Ground Investigation Report for the Sales Agreement

Ark Site A
Longcross Film Studios,
Chertsey,
KT16 0EE

A REPORT PREPARED FOR AND ON BEHALF OF:
Ark Estates 1 Limited and Aviva Life & Pensions UK Limited

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Ark Site A, Longcross Film Studios, Chertsey, KT16 0EE

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For and on behalf of
Paragon Building Consultancy Limited

DASHBOARD SUMMARY

KEY INVESTIGATION FINDINGS

Rationale for the Investigation

1. Paragon was instructed by Ark Data Centres Limited to undertake a supplementary ground investigation in previously inaccessible areas at Ark Site A, Longcross Film Studios, KT16 0EE. The scope of works was agreed with the vendor (Crest Nicholson) as part of the sales agreement and included drilling of 79 shallow boreholes in pre-determined positions. The majority of which were located in building footprints or in roads. Samples of the Made Ground and natural strata were recovered for chemical testing and the results are presented in this report. These activities were completed prior to construction to check for the presence of possible unforeseen contamination.

2. Paragon completed a previous Phase 1 Environmental Risk Assessment (20.0576/CB/KJH, amended 13 August 2020), Phase 2 Site Investigation (19.0415/CB/LSG, 22 August 2019) and a subsequent investigation in 2020 (20.0576/CB/NW, 14 December 2020). Asbestos was identified in the slope and the canteen area (Building 100/101) during the first phase of investigation. The subsequent investigations found the levels of contaminants within soil and groundwater were low and were considered to be suitable for the proposed end use of the development. Furthermore, results of the preliminary gas risk assessment identified a low risk. Despite this, as large areas of the site were not investigated during the previous investigations due to the presence of buildings and operations at the site, recommendations were made to undertake a watching brief/discovery strategy for previously unidentified contamination.

3. It should be noted that the areas of known asbestos contamination, have been subjected to remediation by Crest and verified by their own consultant, Wilson Bailey. Paragon have completed a separate review of these reports.

Investigation Findings

4. A total of 90 boreholes were drilled across the site (borehole location plans are available in Appendix 1) and samples of the Made Ground and natural strata were collected. The ground conditions were identified to be broadly comparable to the previous phases of investigation, with the average thickness of Made Ground being less than 1.0m. The samples were submitted for chemical testing for the parameters within the Sales Agreement and the results were compared to the Generic Assessment Criteria (GAC) presented in the Tolerance Schedule of the Sales Agreement. The results identified three exceedances of the GAC for Asbestos and one exceedance of the Polyaromatic Hydrocarbon (PAH) dibenzo(a,h)anthracene within samples of Made Ground. The remaining contaminant concentrations in Made Ground and natural strata were below the GAC listed in the Sales Agreement.

5. The asbestos exceedances were found in the area of the former canteen (Building 100/101) and in the southeast corner of the central slab area (Building 99). The exceedance of dibenzo(a,h)anthracene was found in WS66, which was situated in the southwest corner of the central slab area (Building 99). The risk to human health is therefore considered to be low to medium, and recommendations have been made for the management of Made Ground in these areas to reduce the risk.

6.	Three supplementary rounds of gas monitoring were completed as part of this investigation. This included monitoring of previously drilled boreholes and monitoring new monitoring wells, installed as part of this investigation (in areas that were previously inaccessible or in areas of deep Made Ground). The results identified slightly elevated concentrations of carbon dioxide and methane was below the limit of detection. In general accordance with BS8485:2015+A1:2019, the site would be classified as Characteristic Situation 2, whereby gas protection measures would be required. However, based on the extensive groundworks that are proposed, the risk rating may be reduced providing confirmation is obtained through additional boreholes and gas monitoring post groundworks. The gas risk is therefore low to medium and recommendations have been made to reduce this risk.

RECOMMENDATIONS

	Environmental
1.	The majority of the concentrations of contaminants within Made Ground and natural strata are considered to be suitable for the proposed end use of the development. It is recommended that the asbestos hotspots in the area of the former canteen and southeast corner of the central slab area are delineated through further investigation to determine the extent of the hotspot. Following the delineation works, a remediation strategy should be completed to determine a strategy to dispose of the asbestos contaminated soils. At this stage, allowance should be made for the contaminated soils to be removed from site. The remediation strategy should also outline the verification requirements, which at this stage should include as a minimum, testing of the soils on the sides and base of the excavation to confirm the asbestos contaminated soils have been removed and a Verification Report should be produced. It is considered that the surplus material generated through groundworks (cut of the slope) could be reused under a CL:AIRE Materials Management Plan, whereby the site could be established as a donor site and the material could be taken offsite for reuse on another development. A Waste Management Plan and an MMP could be produced to set up this process.
2.	In the event that previously unidentified contamination is uncovered during construction, works should cease until inspection and testing of the material has been undertaken by an appropriately qualified environmental consultant. Therefore, a watching brief should be adopted on site during groundworks and construction. For the purpose of any doubt, the term 'previously unidentified contamination' means any material which is discoloured, black, malodorous, oily or fibrous. Furthermore, an environmental consultant is also to be contacted in the event that below ground tanks or sub-structures are identified.
3.	Due to the slightly elevated gas results, it is recommended that once the formation level is prepared, boreholes should be drilled in the footprint of the proposed buildings and additional gas monitoring should be undertaken. The results should be used to complete a gas risk assessment and determine the whether gas protection measures would be required.

CONTENTS

GROUND INVESTIGATION REPORT FOR THE SALES AGREEMENT

CLIENT NAME: Ark Estates 1 Limited and Aviva Life & Pensions UK Limited

PROPERTY ADDRESS: Ark Site A
Longcross Film Studios,
Chertsey,
KT16 0EE

INSPECTION DATE: 15 January 2021

1.0 INSTRUCTIONS

1.1	Paragon Building Consultancy Limited was instructed by Ark Estates 1 Limited and Aviva Life & Pensions UK Limited on 9 December 2020 to complete a Ground Investigation in line with the Sales Agreement on a site referred to as Ark Site A, Longcross Film Studios Chertsey, KT16 0EE. The investigation included an intrusive investigation, laboratory analysis and risk assessment.

2.0 AIMS AND OBJECTIVES

2.1	The aims of this report are: • To assess the potential health and environmental risks to the development in accordance with the strategy set out in the Sales Agreement.
2.2	The objectives of this report are: • Characterise the contamination onsite by completing an intrusive site investigation in line with the Sales Agreement; and • Undertake additional gas monitoring to update the preliminary risk assessment.

3.0 SCOPE OF WORKS

3.1	**Scope of Works**
3.1.1	The ground investigation was undertaken in general accordance with the Code of Practice for Site Investigation British Standard BS5930:2015+A1:2020, Code of Practice for the Investigation of Potentially Contaminated Sites BS10175:2011+A2:2017, Land Contamination: Risk Management (LCRM) 2020. Due regard is made to the Environmental Protection Act (EPA) 1990 Part 2A in connection with the contamination risk assessment.
3.1.2	This report has been prepared to outline the level of contamination within previously inaccessible areas. The scope of works is set out in the Sales Agreement in Annexure 13. In summary, the scope was to include: • Hand dug inspection pits and boreholes were to be drilled in accordance with the agreed 'Trial Pit Plan' (Figure 3, Appendix 1). • Monitoring wells were to be installed if required and monitored for gas and groundwater for three weeks. • Obstructions were to be logged. • Testing of soils was to include a sample of the Made Ground and natural strata from each borehole and testing was to include: o Heavy metals (arsenic, cadmium, chromium (total and VI), copper, lead, mercury, nickel, selenium and zinc; o Cyanide; o Phenols; o Petroleum Hydrocarbons (PHC) – Total Petroleum hydrocarbons Criteria Working Group (TPH-CWG); o Benzene, Toluene, Ethylbenzene and Xylene (BTEX); o Polyaromatic Hydrocarbons (PAH) – Speciated 16; o Asbestos screen and identification; and o Total Organic Carbon (TOC), Sulphates and pH. • If groundwater was encountered it would be tested for a similar suite of contaminants. • Contaminants were to be compared to the Tolerance Schedule, which listed Generic Acceptance Criteria based on Suitable 4 Use Levels (S4ULs) and Category 4 Screening Levels (C4SLs) for the proposed commercial end use.

4.0 INTRODUCTION

4.1	**Background**
4.1.1	The site is centred approximately at National Grid Reference: 497740, 165682, and extends to 3.5Ha. The approximate elevation of the site is 54m Above Ordnance Datum (mAOD). A location plan and existing layout plan are provided as Figure 1 and 2 respectively, in Appendix 1.
4.1.2	Paragon have completed the following reports: • Paragon, 2020. Phase 1 Environmental Risk Assessment. Reference: 20.0576/CB/KJH. Dated: 13 August 2020. • Paragon, 2019. Phase 2 Site Investigation. Reference: 19.0415/CB/LSG. Dated: 22 August 2019. • Paragon, 2020. Phase 2 Ground Investigation. Reference: 20.0576/CB/NW. Dated: 14 December 2020.
4.1.3	In summary, the Phase 1 and initial Phase 2 investigation reports document the findings of the initial due diligence investigations. The reports indicated that Made Ground was present onsite and asbestos was identified in samples collected from the slope and the canteen area (Building 100/101). Whilst the investigation did not find gross contamination, the investigation was restricted by a number of constraints and as such, it was recommended that an additional phase of work was undertaken to fill in the data gaps.
4.1.4	The subsequent investigation was completed to assess previously inaccessible areas and obtain geotechnical information for design purposes. The results of the chemical testing found the levels of contaminants within soil and groundwater were low and were considered to be suitable for the proposed end use of the development. Furthermore, results of the preliminary gas risk assessment from the due diligence Phase 2 investigation and the subsequent Phase 2 investigation identified a low risk. Despite this, as large areas of the site were not investigated during the previous investigations due to the presence of buildings and operations at the site, recommendations were made to undertake a watching brief/discovery strategy for previously unidentified contamination.
4.1.5	Based on the above, a discovery strategy was recommended including the drilling of boreholes in areas that were previously inaccessible such as in building footprints and roads.

5.0 GROUND INVESTIGATION

5.1	**Investigation Rationale**
5.1.1	The objectives for the investigation were to complete a ground investigation in line with the Sales Agreement and undertake additional rounds of gas monitoring to update the preliminary risk assessment.

5.1.2 The investigation was undertaken in general accordance and with reference, where relevant to the following documents:

- Specification for Ground Investigation, Site Investigation Steering Group, Thomas Telford, 1994;
- British Standard BS10175:2011 (A2) Investigation of potentially contaminated sites – code of practice, as amended; and
- Environment Agency (2000) Secondary model procedures for the development of appropriate soil sampling strategies for land contamination. Technical Report P5-066/TR.

5.1.3 The intrusive investigation was completed between 11 and 15 January 2021 and comprised a total of 90 exploratory holes. This included:

- 90 no. windowless sample boreholes drilled to a maximum depth of 3mbgl;
- Installation of 2 no. monitoring wells; and
- 3 no. gas and groundwater monitoring visits.

5.1.4 A site plan showing the locations of each exploratory hole is provided in Appendix 1. Photographs taken during the investigation are presented in Appendix 2.

5.2 Intrusive Locations

5.2.1 Combined ground gas and groundwater wells were installed in the boreholes as outlined below. Full details of each borehole and the installations are also provided on the borehole logs presented in Appendix 3.

Table 1. Monitoring Well Installation Details

ID	Drilling Depth mbgl [mAOD]	Plain Well Section mbgl [mAOD]	Slotted Well Section mbgl [mAOD]
WS06	3.00 [47.11]	0.00 – 1.00 [50.11 – 49.11]	1.00 – 3.00 [49.11 – 47.11]
WS27	3.00 [52.75]	0.00 – 0.50 [55.75 – 55.25]	0.50 – 1.80 [55.25 – 53.95]

5.3 Sampling and Testing Strategy

5.3.1 Soil samples were collected from the Made Ground and natural strata. Samples were submitted for chemical testing under controlled conditions with a Chain of Custody to i2 Analytical a UKAS and MCerts accredited facility.

5.3.2	Environmental soil samples were tested for a suite of contaminants to assess the risks identified in the previous reports. The testing included: • Heavy metals (arsenic, cadmium, chromium (total and VI), copper, lead, mercury, nickel, selenium and zinc; • Cyanide; • Phenols; • Petroleum Hydrocarbons (PHC) – Total Petroleum hydrocarbons Criteria Working Group (TPH-CWG); • Benzene, Toluene, Ethylbenzene and Xylene (BTEX); • Polyaromatic Hydrocarbons (PAH) – Speciated 16; • Asbestos screen and identification; and • Total Organic Carbon (TOC), Sulphates and pH.
5.3.3	The results of the soil analysis is presented in Appendix 4.
5.3.4	Gas and groundwater monitoring was undertaken using a multi-probe gas analyser and dip meter. Monitoring was undertaken on previously drilled boreholes and boreholes from this investigation. The boreholes monitored are presented on Figure 6, Appendix 1. The results are presented in Appendix 5.

6.0 GROUND CONDITIONS

6.1 General

6.1.1 The ground conditions are described in detail in the logs that are presented within Appendix 3. A summary of the ground conditions is also presented in Table 2.

Table 2. Summary of Ground Conditions

Depth From (min/max) mbgl	Depth To (min/max) mbgl	Soil Type	Description
Ground Level	0.05 / 0.5	CONCRETE / MACADAM	Concrete / Macadam
Ground Level / 0.10	0.10 / 2.5	MADE GROUND / CONCRETE	MADE GROUND. Black, gravelly SAND. Gravel comprised fine to coarse angular to sub-rounded flint. Rare cobble of angular flint. Occasional roots.
Ground level / 2.5	Unproven	SAND / GRAVEL / SILT	Medium dense, orange brown and grey slightly gravelly silty SAND. Gravel comprised fine to coarse, sub-angular to angular flint. Sand is fine to coarse

6.2 Olfactory and Visible Evidence of Contamination

6.2.1 Various olfactory and visible evidence of contamination was identified within the Made Ground. These predominantly related to black staining or suspected asbestos containing materials. A summary of the findings are presented in Table 3.

6.2.2 **Table 3. Summary of Olfactory and Visual Evidence of Contamination**

Borehole	Depth (mbgl)	Description
WS72	0.3 – 0.9	Slight hydrocarbon odour and black staining between 0.3mbgl and 0.9mbgl.
WS72	0.9 – 1.5	Slight organic odour between 0.9mbgl and 1.5mbgl.
WS32	0.1 – 0.3	Black staining between 0.1mbgl and 0.3mbgl.
WS50	0.0 – 2.0	Black staining between 0.0mbgl and 0.2mbgl.
WS71	0.0 – 0.3	Suspected asbestos cement between 0.0mbgl and 0.3mbgl.
WS73a	0.2 – 1.0	Suspected asbestos cement between 0.2mbgl and 1.0mbgl.

6.3 Early Terminations

6.3.1 A number of the boreholes were terminated during the hand inspection pit due to services or very dense ground. These have recorded as suspected services or obstructions. These are summarised in Table 4.

6.3.2 **Table 4. Summary of Obstructions**

Borehole	Base Depth (mbgl)	Reason
WS02	1.0	Suspected service identified.
WS17	0.2	Obstruction identified.
WS18	0.2	Suspected service identified.
WS23	0.5	Obstruction identified.
WS60	0.2	Obstruction identified.
WS61a	0.5	Suspected service identified.
WS64	0.6	Obstruction identified.
WS69	0.5	Obstruction identified.
WS69a	1.0	Suspected service identified.
WS69b	1.0	Suspected service identified.
WS73	0.5	Obstruction identified.
WS76	0.5	Obstruction identified.
WS76a	0.5	Suspected service identified.

6.4 Groundwater

6.4.1 Groundwater was not identified during drilling.

6.4.2 Groundwater was dipped on three occasions and the water levels are presented in Table 5.

6.4.3 **Table 5. Groundwater Monitoring Results**

Borehole	Groundwater Level (mbg)		
	15 January 2021	1 February 2021	8 February 2021
WS06 2021	Dry	2.95 (base)	Dry
WS27 2021	Dry	2.15 (base)	Dry
WS06 2020	Dry	4.84	4.85
WS10 2020	Dry	Dry	Dry
BH05 2020	7.31	7.20	7.21
WS09 2020	Dry	4.97	Dry

6.5 Constraints

6.5.1 The investigation was constrained by a number of below ground utility services which were considered to be live.

7.0 GEOENVIRONMENTAL RESULTS

7.1 Analytical Test Results

7.1.1 Chemical testing was completed on soil samples from the investigation to determine the concentration of potential contaminants, in line with the Sales Agreement. The results of the soil analysis have been compared to the screening values presented in the Tolerance Schedule to assess the degree of risk. The results are presented in a screening table in Appendix 4 and are summarised below. The laboratory test certificates are also provided in Appendix 4.

7.1.2 The Generic Assessment Criteria (GAC) within the Sales Agreement are based on C4SLs and S4ULs using a commercial end use.

7.2 Analytical Test Results – Made Ground Soils

7.2.1 The results from the Made Ground testing have been compared to the GAC. The screening table is presented in Table 6 shows the majority of concentrations of heavy metals, TPH, BTEX and PAH are below the GAC. The asbestos results are presented in Table 7.

7.2.2 A single marginal exceedance of Dibenz(a,h)anthracene was identified in WS66 at 0.2mbg where the concentration identified was 4.2mg/kg. The GAC is 3.6mg/kg.

7.2.3 The results of the asbestos identification found six samples contained asbestos and three had quantifications greater than the GAC.

7.2.4

Table 6. ***Chemical Analysis (Made Ground Soils)***

Contaminant	Maximum Result (mg/kg)	Number of Samples	GAC (mg/kg)	Exceedances
Arsenic	28	79	640	None
Cadmium	0.6	79	410	None
Chromium	66	79	8600	None
Hexavalent Chromium	<1.2	79	49	None
Copper	110	79	68000	None
Lead	390	79	2330	None
Mercury	0.5	79	1100	None
Nickel	96	79	980	None
Selenium	7	79	12000	None
Zinc	240	79	730000	None
Naphthalene	1.1	79	460	None
Acenaphthylene	4.6	79	97000	None
Acenaphthene	9.8	79	97000	None
Fluorene	7.2	79	68000	None
Phenanthrene	65	79	22000	None
Anthracene	19	79	540000	None
Fluoranthene	78	79	170	None
Pyrene	63	79	54000	None
Benzo(a)anthracene	42	79	170	None
Crysene	27	79	350	None
Benzo(b)fluoranthene	39	79	44	None
Benzo(k)fluoranthene	13	79	1200	None
Benzo(a)pyrene	36	79	76	None
Indeno(1,2,3-cd)pyrene)	18	79	510	None
Dibenzo(a,h)anthracene	4.2	79	3.6	WS66 0.2 (4.2mg/kg)
Benzo(g,h,i)perylene	20	79	4000	None
Benzene	<1	79	98	None
Toluene	<1	79	110000	None
Ethylbenzene	<1	79	13000	None
o-Xylene	<1	79	15000	None
m-Xylene	<1	79	14000	None
p-Xylene	<1	79	14000	None
Aliphatic >EC5 - EC6	<0.001	79	5900	None
Aliphatic >EC6 - EC8	<0.001	79	1000	None
Aliphatic >EC8 - EC10	<0.001	79	4800	None
Aliphatic >EC10 - EC12	3.1	79	23000	None
Aliphatic >EC12 - EC16	40	79	82000	None
Aliphatic >EC16 - EC21	180	79	1700000	None
Aliphatic >EC21 - EC35	670	79	1700000	None
Aromatic >EC5 - EC7	<0.001	79	46000	None
Aromatic >EC7 - EC8	<0.001	79	110000	None
Aromatic >EC8 - EC10	<0.001	79	8100	None
Aromatic >EC10 - EC12	17	79	28000	None
Aromatic >EC12 - EC16	110	79	37000	None
Aromatic >EC16 - EC21	630	79	28000	None
Aromatic >EC21 - EC35	620	79	28000	None

Notes to table:

a. GAC has been selected using a SOM of 2.5%.
b. GAC based on there being no free product present.
c. GAC based on S4UL and C4SL. As stated within the Sales Agreement.
d. N/A: Not applicable/not available.

7.2.5 **Table 7. Asbestos Results *(Made Ground Soils)***

Borehole	Description	Quantification (%)	GAC (mg/kg)	Exceedance?
WS71	Chrysotile- Hard/Cement Type Material	1.97	<0.001	Yes
WS73a	Chrysotile, Amosite, Crocidolite- Loose Fibres; Chrysotile, Amosite- Loose Fibrous Debris, Chrysotile- Hard/Cement Type Material	0.10	<0.001	Yes
WS72	Chrysotile- Loose Fibres	<0.001	<0.001	No
WS64	Chrysotile - Hard/Cement Type Material	4.02	<0.001	Yes
WS61a	Chrysotile	<0.001	<0.001	No
WS01	Chrysotile	<0.001	<0.001	No

7.3 Analytical Test Results – Natural Strata

7.3.1 The results of the chemical analysis on the natural strata samples are presented in Appendix 4 and summarised in Table 8. The results were compared to the GAC for a commercial use.

7.3.2 No exceedances, above the GAC were identified of the contaminants tested from the natural strata.

7.3.3

Table 8. ***Chemical Analysis (Natural Strata)***

Contaminant	Maximum Result (mg/kg)	Number of Samples	GAC (mg/kg)	Exceedances
Arsenic	22	72	640	None
Cadmium	<0.2	72	410	None
Chromium	66	72	8600	None
Hexavalent Chromium	<1.2	72	49	None
Copper	31	72	68000	None
Lead	23	72	2330	None
Mercury	<0.3	72	1100	None
Nickel	22	72	980	None
Selenium	<0.1	72	12000	None
Zinc	54	72	730000	None
Naphthalene	<0.05	72	460	None
Acenaphthylene	<0.05	72	97000	None
Acenaphthene	<0.05	72	97000	None
Fluorene	<0.05	72	68000	None
Phenanthrene	0.7	72	22000	None
Anthracene	<0.05	72	540000	None
Fluoranthene	1.3	72	170	None
Pyrene	1.1	72	54000	None
Benzo(a)anthracene	0.9	72	170	None
Crysene	0.5	72	350	None
Benzo(b)fluoranthene	0.8	72	44	None
Benzo(k)fluoranthene	0.2	72	1200	None
Benzo(a)pyrene	0.7	72	76	None
Indeno(1,2,3-cd)pyrene)	0.4	72	510	None
Dibenzo(a,h)anthracene	<0.05	72	3.6	None
Benzo(g,h,i)perylene	0.5	72	4000	None
Benzene	<1	72	98	None
Toluene	<1	72	110000	None
Ethylbenzene	<1	72	13000	None
o-Xylene	<1	72	15000	None
m-Xylene	<1	72	14000	None
p-Xylene	<1	72	14000	None
Aliphatic >EC5 - EC6	<0.001	72	5900	None
Aliphatic >EC6 - EC8	<0.001	72	1000	None
Aliphatic >EC8 - EC10	<0.001	72	4800	None
Aliphatic >EC10 - EC12	3.1	72	23000	None
Aliphatic >EC12 - EC16	16	72	82000	None
Aliphatic >EC16 - EC21	29	72	1700000	None
Aliphatic >EC21 - EC35	54	72	1700000	None
Aromatic >EC5 - EC7	<0.001	72	46000	None
Aromatic >EC7 - EC8	<0.001	72	110000	None
Aromatic >EC8 - EC10	<0.001	72	8100	None
Aromatic >EC10 - EC12	<1	72	28000	None
Aromatic >EC12 - EC16	<1	72	37000	None
Aromatic >EC16 - EC21	18	72	28000	None
Aromatic >EC21 - EC35	25	72	28000	None

Notes to table:

a. GAC has been selected using a SOM of 2.5%.
b. GAC based on there being no free product present.
c. GAC based on S4UL and C4SL. As stated within the Sales Agreement.
d. N/A: Not applicable/not available.

7.4 Gas Monitoring Results

7.4.1 Pollutant linkages associated with risks from ground gas to the property and to human health have been assed using BS 8485:2015+A1:2019 '*Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings*.

7.4.2 Three gas monitoring visits were undertaken on as part of this investigation. A summary of the worst case results from the gas monitoring have been presented in Table 9. The gas monitoring records are presented in Appendix 4.

7.4.3 **Table 9. Gas Monitoring Results (Worst Case)**

Exploratory Hole	Maximum Steady Flow (l/hr)	Maximum Steady Methane (%)	Maximum Steady Carbon Dioxide (%)	Minimum Oxygen (%)	Maximum Steady Hydrogen Sulphide (ppm)	Atmospheric Pressure Range (mbar)
WS06 2021	-2.95	<0.10	<0.10	18.50	<1.00	993 – 1025
WS27 2021	-2.57	<0.10	<0.10	18.50	<1.00	993 – 1025
WS06 2020	3.07	<0.10	6.10	15.00	<1.00	993 – 1025
WS10 2020	2.88	<0.10	3.70	16.80	<1.00	993 – 1025
BH05 2020	-6.35	<0.10	2.90	15.70	<1.00	993 – 1025
WS09 2020	-3.93	<0.10	6.70	15.20	<1.00	993 – 1025

7.4.4 The results of the gas monitoring identified methane was below the detection limit in each borehole throughout the monitoring period. The concentrations of carbon dioxide were detectible in four of the boreholes, with the maximum result of 6.70% by volume in air. The greatest flow was identified as being -6.35l/hr.

7.4.5 The monitoring was completed over a range of atmospheric pressure, between 993 and 1025mbar.

8.0 DISCUSSION

8.1 Risks to Human Health from Soil Derived Contaminants

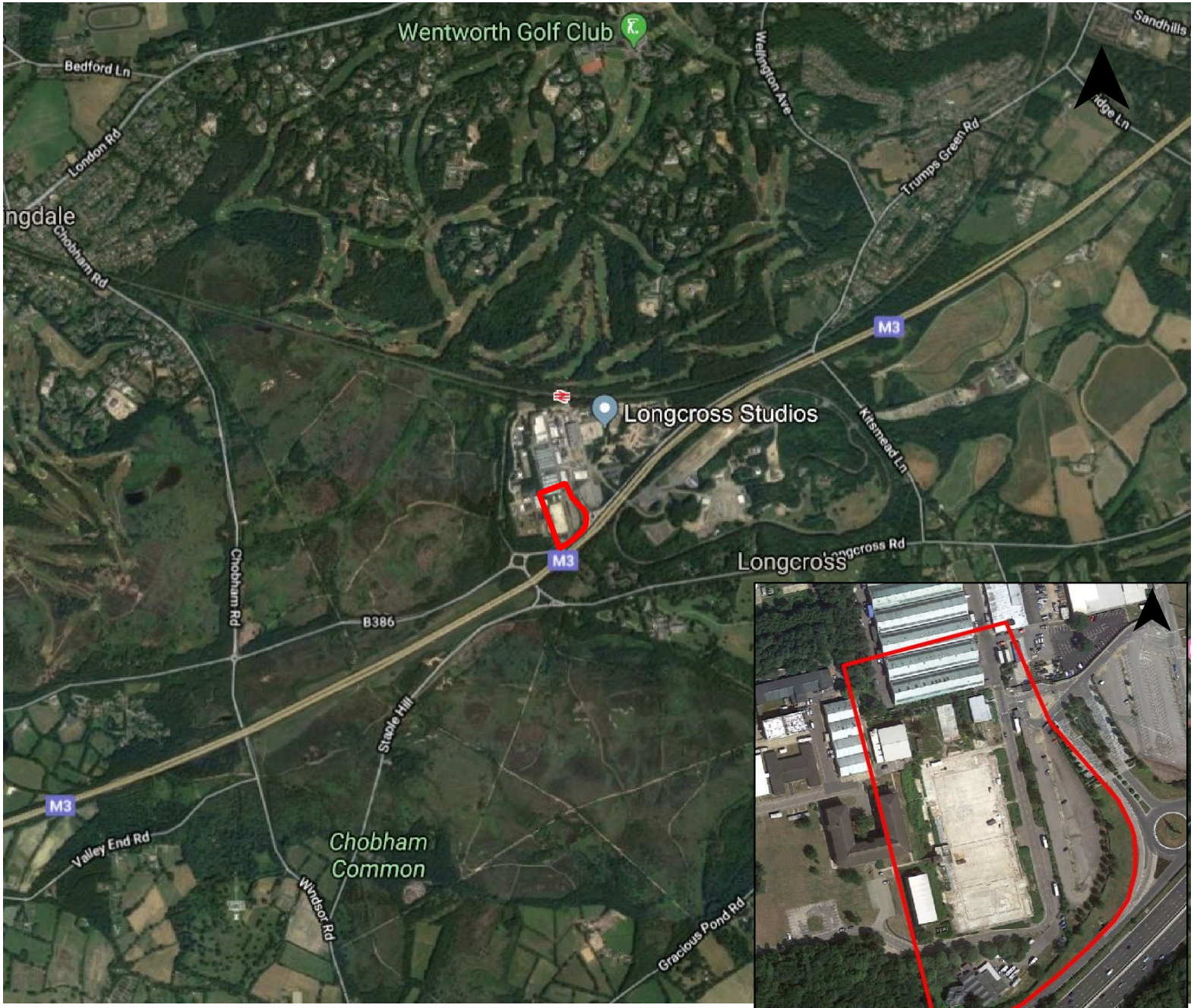
8.1.1 The results of the soil analysis have identified some degree of contamination within the Made Ground. Specifically, asbestos and dibenzo(a,h)anthracene have been identified above the GAC outlined in the Tolerance Schedule in the Sales Agreement. No exceedances of the GAC within the Tolerance Schedule were noted for samples of the natural strata.

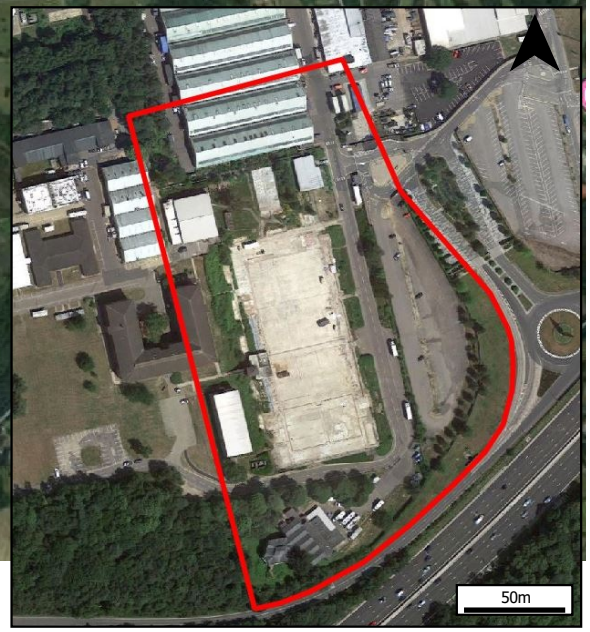
8.1.2	The asbestos exceedances were found in the area of the canteen (Building 100/101) and in the southeast corner of the central slab area (Building 99). A site plan is presented in Appendix 1, outlining these locations. The locations were found to be to the west of the area where asbestos was remediated by Crest Nicholson.
8.1.3	The exceedance of dibenzo(a,h)anthracene was found in WS66 which was situated in the southwest corner of the central slab area (Building 99). A site plan is presented in Appendix 1, outlining this location.
8.1.4	Based on the foregoing, the risk to human health is considered to be **low to medium**. Recommendations have been made in Section 9 for hotspot removal to take place. This requires, further sampling to delineate the areas of contamination, excavation of Made Ground and further sampling to confirm the asbestos has been removed.
8.2	**Risks to Human Health from Ground Gas**
8.2.1	The Gas Risk Assessment has been carried out in general accordance with BS8485:2015+A1:2019 whereby the Characteristic Situation (CS) of the site has been identified. The Characteristic Situation ranges are between 1 and 6 and determine the gas risk to the property and the level of protection required. The process calculates a Gas Screening Value (GSV) based on gas monitoring which was undertaken based on boreholes within the Made Ground and natural geology.
8.2.2	The GSV for the site has been calculated based on the maximum concentration of methane or carbon dioxide monitored and the maximum flow rate recorded in the boreholes using the equation: $$GSV = q\left(\frac{Chg}{100}\right)$$ Where: • Chg = Concentration of a specific hazardous gas expressed as a percentage of total gas volume (%v/v) • q = Total gas flow from a borehole in litres per hour (l/hr) • Qhg = Calculated flow rate of a specific hazardous gas from a borehole reading The results are then compared to tables set out in the guidance for assessment.
8.2.3	The gas monitoring has identified the greatest carbon dioxide value of 6.7%. Methane levels were found to be at levels below the limit of detection of the instrument. The greatest flow reading was -6.35. Based on the formula above, the GSV for the site is 0.43 which classifies the site as CS2.
8.2.4	Based on the site being classified as CS2, gas protection measures are likely to be required. This may include a gas membrane.
8.2.5	As such, the risk from ground gas is **low to medium** and based on the current site conditions, some degree of gas protection is likely to be required. However, it is anticipated that the risk from ground gas can be reduced to low following the removal of Made Ground and natural strata required as part of the preparation of the formation level. In order to confirm the risk has been reduced, and negate the need for gas protection measures, further works are required. At this stage, it is recommended that once the formation level is prepared, newly drilled boreholes should be positioned in the footprint of the proposed buildings and additional gas monitoring should be undertaken. The results should be used to complete a gas risk assessment and determine whether gas protections measures would be required.

9.0 CONCLUSIONS AND RECOMMENDATIONS

9.1	**Conclusions**
9.1.1	A total of 90 boreholes were drilled across the site and samples of the Made Ground and natural strata were collected. The ground conditions were identified to be broadly comparable to the previous phases of investigation with the average thickness of Made Ground being below 1.0m below ground level (bgl). The samples were submitted for chemical testing for the parameters within the Sales Agreement. The results identified exceedances for Asbestos and the PAH compound dibenzo(a,h)anthracene above the GAC listed in the Tolerance Schedule of the Sales Agreement, however the remaining contaminant concentrations were below the accepted thresholds. In addition, the results of the samples of the natural strata did not exceed the GAC in the Sales Agreement.
9.1.2	Three supplementary rounds of gas monitoring were completed as part of this investigation. This included monitoring of previously drilled boreholes and monitoring new monitoring wells, installed as part of this investigation in areas that were previously inaccessible or in areas of deep Made Ground. The results identified slightly elevated concentrations of carbon dioxide and methane was below the limit of detection. In general accordance with BS8485:2015+A1:2019, the site is classified as Characteristic Situation 2, whereby gas protection measures would be required. However, based on the extensive groundworks that are proposed, the risk rating may be reduced providing confirmation is obtained through additional boreholes and gas monitoring post groundworks. The gas risk is therefore low to medium.
9.2	**Recommendations**
9.2.1	The majority of the concentrations of contaminants within Made Ground and natural strata are considered to be suitable for the proposed end use of the development. It is recommended that the asbestos hotspots in the area of the former canteen and southeast corner of the central slab area are delineated. The contaminated soils should then be removed from site and the sides and base of the excavation chemically tested and a Verification Report produced to demonstrate that the asbestos has been removed.
9.2.2	In the event that previously unidentified contamination is uncovered during construction, works should cease until inspection and testing has been undertaken by an appropriately qualified environmental consultant. Therefore, a watching brief should be adopted on site during development. Previously unidentified contamination means any material which is black, malodorous, oily or fibrous. Furthermore, an environmental consultant is also to be contacted in the event that below ground tanks or sub-structures.
9.2.3	Due to the slightly elevated gas results, it is recommended that once the formation level is prepared, boreholes should be drilled in the footprint of the proposed buildings and additional gas monitoring should be undertaken. The results should be used to complete a gas risk assessment and determine the whether gas protection measures would be required.

APPENDIX 1: FIGURES





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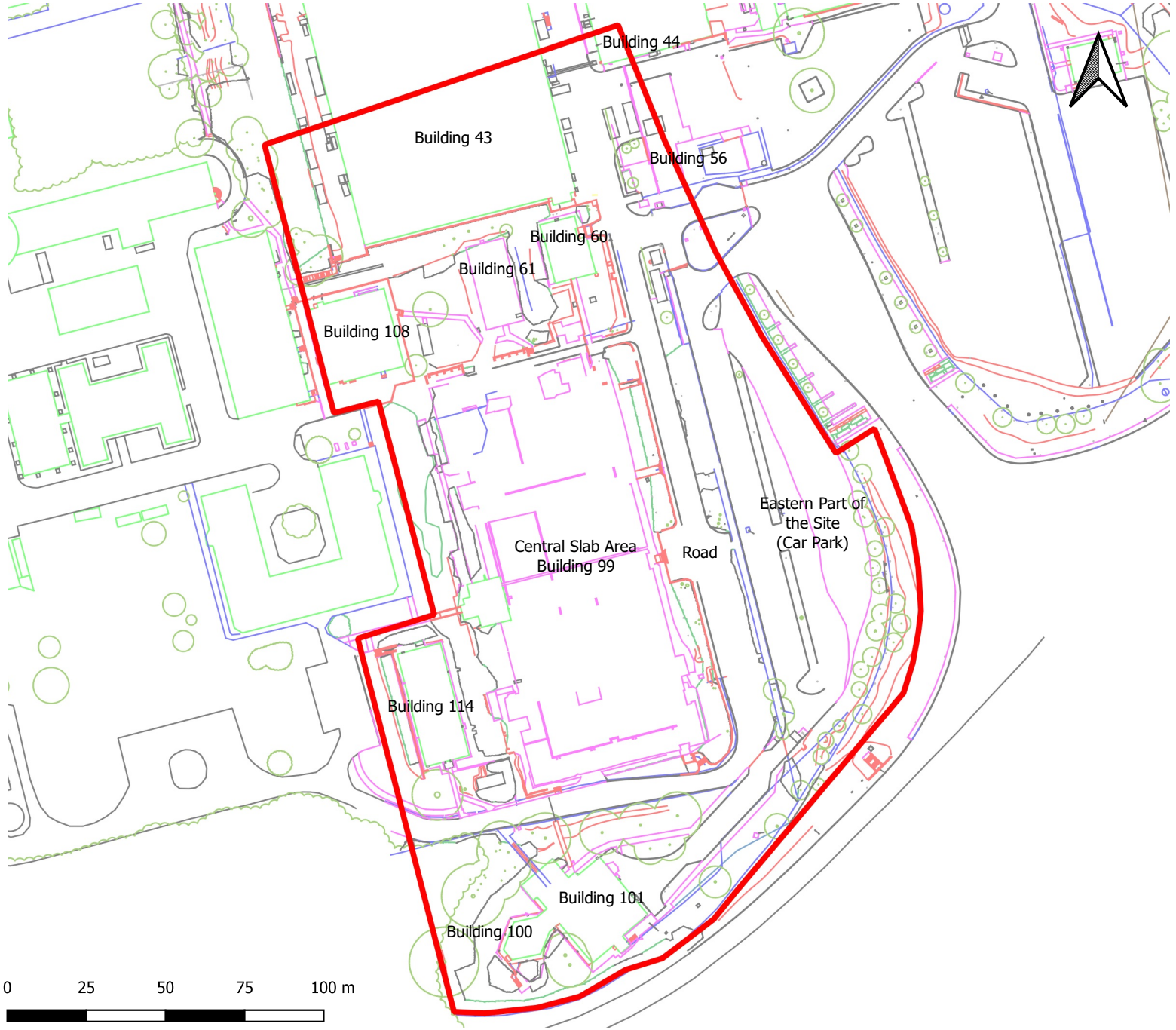
Key

Site Boundary (Approx)

Rev	Description	Date

Project: Longcross Studios	Scale: See bar
	Drawn by: CB
	Approved By: CK
Title: Site Location Plan	Drawing Number: 1
	Date: 11/01/2021



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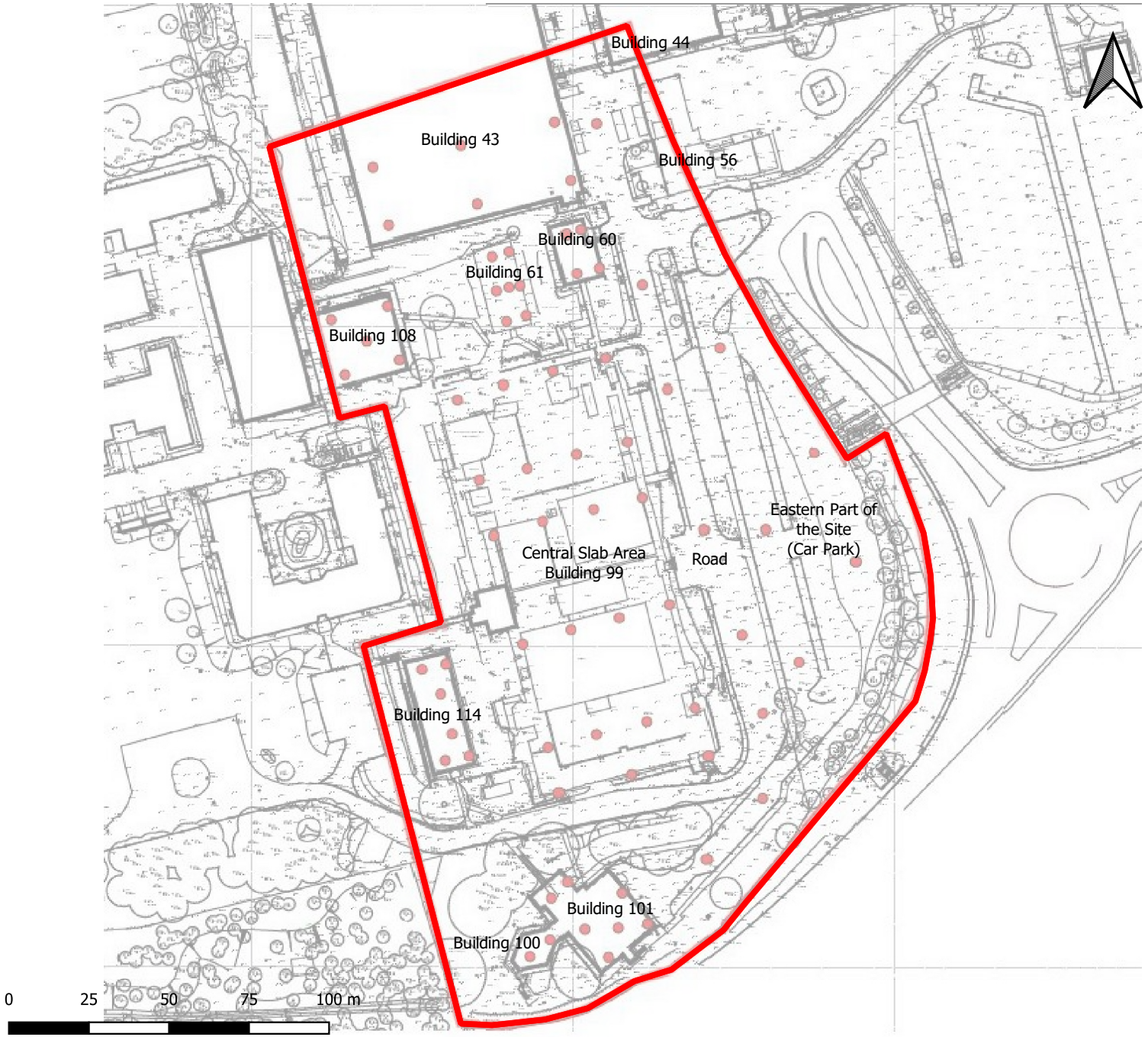
Notes

Rev	Description	Date

Project: 201250 Longcross Studios	Scale: N/A
	Drawn by: CB
	Approved By: CK
Drawing Title: Former Building Layout	Drawing Number: 2
	Date: 11/01/2021



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Notes

Rev	Description	Date

Project: 201250 Longcross Studios	Scale: N/A
	Drawn by: CB
	Approved By: CK
Drawing Title: Discovery Strategy as Outlined within the Sales Agreement	Drawing Number: 3
	Date: 11/01/2021

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Notes

Rev	Description	Date

Project
201250 Longcross Studios

Scale N/A

Drawn by CB

Approved By CK

Drawing Title
Borehole Locations

Drawing Number 4

Date 11/01/2021

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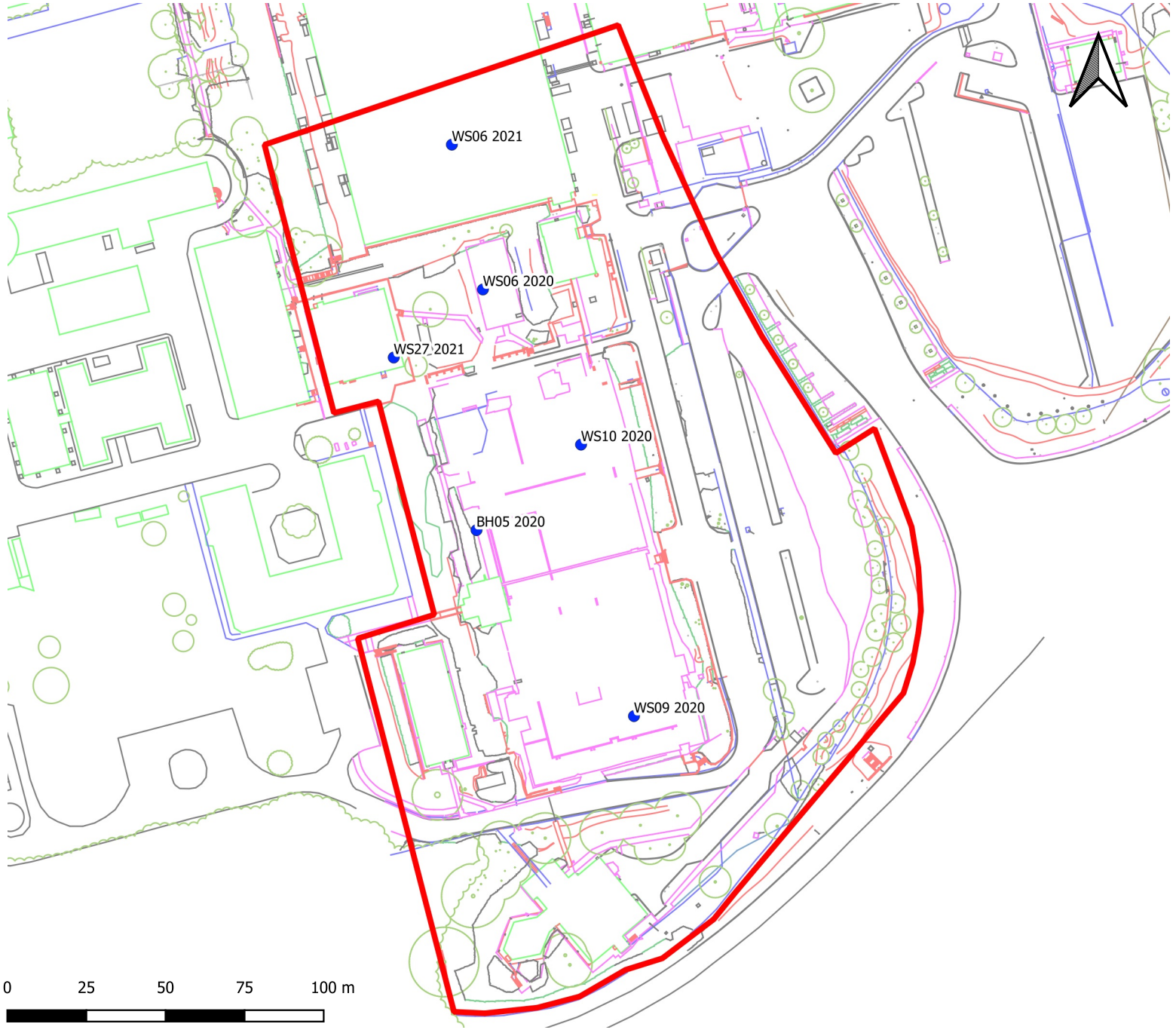
Asbestos Locations

- <0.001%
- >0.001%

Notes

Rev	Description	Date

Project: 201250 Longcross Studios	Scale: N/A
	Drawn by: CB
	Approved By: CK
Drawing Title: Asbestos Locations	Drawing Number: 5
	Date: 11/01/2021



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Notes

Rev	Description	Date

Project
201250 Longcross Studios

Scale N/A

Drawn by CB

Approved By CK

Drawing Title
Gas Monitoring Plan

Drawing Number 6

Date 11/01/2021

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Exceedances Identified

- Asbestos (>0.001%)
- PAH Exceedance

Notes

Polyaromatic Hydrocarbon (PAH) exceedance was noted for Dibenzo(a,h)anthracene.

Rev	Description	Date

Project: 201250 Longcross Studios	Scale: N/A
	Drawn by: CB
	Approved By: CK
Drawing Title: Exceedances of the Tolerance Schedule	Drawing Number: 7
	Date: 03/03/2021

APPENDIX 2: PHOTOGRAPHS

01: Canteen Area (Building 100-101)

02: Canteen Area (Building 100-101)

03: Central Slab Area

04: Building 114

05: Eastern Part of the site

06: Eastern Part of the site

07: Building 108

08: Building 61

09: Building 60

10: Northern Part of the site (Building 43)

11: Northern Part of the site

12: Northern Part of the site

13: Typical Geology in the Canteen Area (Building 100-101)

14: Typical Geology in the Central Slab Area

15: Typical Geology at Building 114

16: Typical Geology in the Eastern Part of the Site

17: Typical Geology in the Road

18: Typical Geology at Building 108

19: Typical Geology at Building 61

20: Typical Geology at Building 60

21: Typical Geology at Building 43

22: Typical Geology at Building 43

23: Typical Geology at Building 43

24: Typical Geology in the Northern Part of the Site

APPENDIX 3: BOREHOLE LOGS

201250 Longcross Studios
Borehole Summary

Hole ID	Easting	Northing	Ground Level (AOD)	Final Depth (mbgl)	Final Depth (mAOD)	Drilling Date	Base of Made Ground (mbgl)	Made Ground Base (mAOD)	Installation Details	General Remarks
WS01	497828.60	165657.47	49.874	1.000	48.874	15/01/2021	0.30	49.57	N/A	
WS02	497855.35	165666.03	49.856	1.000	48.856	15/01/2021	>0.9	>48.96	N/A	Suspected service identified at 1.0mbgl.
WS03	497884.20	165676.70	49.917	1.000	48.917	15/01/2021	0.10	49.82	N/A	
WS04	497909.66	165683.04	49.749	1.000	48.749	11/01/2021	0.00	49.75	N/A	
WS05	497832.00	165644.68	50.135	1.000	49.135	15/01/2021	0.30	49.84	N/A	
WS06	497859.22	165651.72	50.108	3.000	47.108	15/01/2021	0.30	49.81	Response Zone installed between 1.00mbgl and 3.00mbgl	
WS07	497889.01	165659.11	50.326	2.000	48.326	15/01/2021	0.40	49.93	N/A	
WS08	497902.12	165657.06	50.039	2.000	48.039	12/01/2021	0.30	49.74	N/A	
WS09	497921.16	165655.36	49.691	2.000	47.691	11/01/2021	0.80	48.89	N/A	
WS10	497836.99	165626.44	50.126	1.000	49.126	15/01/2021	0.30	49.83	N/A	
WS11	497864.26	165632.95	50.163	1.000	49.163	14/01/2021	0.20	49.96	N/A	
WS12	497893.71	165640.58	50.147	1.000	49.147	14/01/2021	0.50	49.65	N/A	
WS13	497821.10	165599.51	55.772	2.000	53.772	13/01/2021	0.50	55.27	N/A	
WS14	497837.11	165601.28	55.751	3.000	52.751	13/01/2021	1.10	54.65	N/A	
WS15	497869.25	165617.23	52.836	2.000	50.836	13/01/2021	0.30	52.54	N/A	
WS16	497875.00	165618.41	52.843	2.000	50.843	14/01/2021	0.40	52.44	N/A	
WS17	497892.47	165623.92	51.136	0.200	50.936	14/01/2021	>0.2	>50.94	N/A	Obstruction identified at 0.2mbgl.
WS17a	497890.28	165624.41	51.136	1.000	50.136	15/01/2021	0.30	50.84	N/A	
WS18	497897.05	165624.97	51.149	0.200	50.949	14/01/2021	>0.2	>50.95	N/A	Service identified at 0.2mbgl.
WS18a	497895.74	165626.00	51.149	1.000	50.149	15/01/2021	0.30	50.85	N/A	
WS18b	497895.21	165629.34	51.149	1.000	50.149	15/01/2021	0.80	50.35	N/A	
WS19	497927.20	165640.58	49.640	2.000	47.640	11/01/2021	0.50	49.14	N/A	
WS20	497830.18	165590.49	55.752	2.000	53.752	13/01/2021	0.90	54.85	N/A	
WS21	497870.42	165606.09	52.822	2.000	50.822	13/01/2021	0.30	52.52	N/A	
WS22	497874.76	165607.50	52.830	2.000	50.830	14/01/2021	0.50	52.33	N/A	
WS23	497878.16	165608.08	52.846	0.500	52.346	14/01/2021	>0.5	>52.35	N/A	Obstruction identified at 0.5mbgl.
WS24	497895.52	165611.72	51.144	1.000	50.144	14/01/2021	0.20	50.94	N/A	
WS25	497902.80	165613.60	51.107	1.000	50.107	14/01/2021	0.20	50.91	N/A	
WS26	497825.45	165581.50	55.749	2.000	53.749	13/01/2021	0.60	55.15	N/A	
WS27	497840.86	165584.50	55.752	3.000	52.752	13/01/2021	1.80	53.95	Response Zone installed between 0.50mbgl and 1.30mbgl	
WS28	497873.82	165596.82	52.851	2.000	50.851	13/01/2021	0.30	52.55	N/A	
WS29	497880.04	165598.58	52.839	2.000	50.839	14/01/2021	0.60	52.24	N/A	
WS30	497915.90	165606.69	49.996	2.000	47.996	12/01/2021	0.40	49.60	N/A	
WS31	497857.56	165570.00	51.477	1.000	50.477	14/01/2021	0.20	51.28	N/A	
WS32	497873.81	165574.45	51.442	1.000	50.442	14/01/2021	0.20	51.24	N/A	
WS33	497887.55	165578.72	51.288	1.000	50.288	14/01/2021	0.20	51.09	N/A	
WS34	497904.32	165586.30	51.007	2.000	49.007	14/01/2021	0.20	50.81	N/A	
WS35	497940.69	165588.26	49.454	2.000	47.454	11/01/2021	0.30	49.15	N/A	
WS36	497924.50	165575.71	50.042	2.000	48.042	12/01/2021	0.30	49.74	N/A	
WS37	497865.61	165547.08	51.456	1.000	50.456	14/01/2021	0.20	51.26	N/A	
WS38	497880.27	165550.60	51.478	1.000	50.478	14/01/2021	0.30	51.18	N/A	
WS39	497895.52	165555.18	51.459	1.000	50.459	14/01/2021	0.30	51.16	N/A	
WS40	497911.71	165558.93	51.444	1.000	50.444	14/01/2021	0.20	51.24	N/A	
WS41	497869.83	165529.60	51.447	1.000	50.447	13/01/2021	0.20	51.25	N/A	
WS42	497885.47	165534.06	51.452	1.000	50.452	13/01/2021	0.20	51.25	N/A	
WS43	497900.98	165537.90	51.453	1.000	50.453	13/01/2021	0.20	51.25	N/A	
WS44	497916.23	165541.57	51.485	2.000	49.485	13/01/2021	0.30	51.19	N/A	
WS45	497971.52	165558.03	48.743	1.000	47.743	11/01/2021	0.80	47.94	N/A	
WS46	497936.02	165531.33	50.029	2.000	48.029	12/01/2021	0.20	49.83	N/A	
WS47	497955.27	165530.24	49.271	2.000	47.271	11/01/2021	0.20	49.07	N/A	
WS48	497847.55	165488.31	54.984	2.000	52.984	12/01/2021	0.30	54.68	N/A	
WS49	497855.07	165489.84	54.912	3.000	51.912	12/01/2021	0.20	54.71	N/A	
WS50	497879.45	165495.82	51.420	1.000	50.420	13/01/2021	0.20	51.22	N/A	
WS51	497895.41	165499.81	51.449	1.000	50.449	13/01/2021	0.20	51.25	N/A	
WS52	497909.72	165503.33	51.438	1.000	50.438	13/01/2021	0.20	51.24	N/A	
WS53	497924.97	165508.25	51.452	2.000	49.452	13/01/2021	0.30	51.15	N/A	
WS54	497979.93	165525.04	48.702	2.000	46.702	11/01/2021	0.80	47.90	N/A	
WS55	497853.31	165480.86	54.941	2.000	52.941	12/01/2021	0.20	54.74	N/A	
WS56	497946.41	165498.46	49.931	2.000	47.931	12/01/2021	0.50	49.43	N/A	
WS57	497857.47	165468.37	54.982	2.000	52.982	12/01/2021	0.20	54.78	N/A	
WS58	497972.36	165492.10	48.969	2.000	46.969	11/01/2021	1.00	47.97	N/A	
WS59	497855.29	165460.16	54.961	2.000	52.961	13/01/2021	0.20	54.76	N/A	
WS60	497862.63	165461.86	54.974	0.200	54.774	13/01/2021	>0.2	>54.77	N/A	Obstruction identified at 0.2mbgl.
WS60a	497864.78	165465.48	54.974	1.000	53.974	13/01/2021	0.80	54.17	N/A	
WS61	497887.66	165464.62	51.473	0.600	50.873	13/01/2021	>0.6	>50.87	N/A	Water ingress into starter pit. Deemed unsafe to continue.
WS61a	497892.30	165463.02	51.473	0.500	50.973	15/01/2021	>0.5	>50.97	N/A	Service identified at 0.5mbgl.
WS61b	497886.58	165476.63	51.473	1.000	50.473	15/01/2021	0.30	51.17	N/A	
WS62	497902.23	165468.14	51.463	2.000	49.463	12/01/2021	0.30	51.16	N/A	
WS63	497918.30	165471.71	51.455	2.000	49.455	12/01/2021	0.30	51.16	N/A	
WS64	497933.72	165475.94	51.446	0.600	50.846	12/01/2021	>0.6	>50.85	N/A	Obstruction identified at 0.6mbgl.
WS64a	497929.51	165477.15	51.446	2.000	49.446	14/01/2021	0.30	51.15	N/A	
WS65	497954.43	165474.43	49.519	2.000	47.519	12/01/2021	1.40	48.12	N/A	
WS66	497891.02	165449.95	51.452	2.000	49.452	12/01/2021	0.30	51.15	N/A	
WS67	497913.71	165455.47	51.325	1.500	49.825	12/01/2021	0.15	51.18	N/A	
WS68	497938.18	165461.33	51.299	2.000	49.299	12/01/2021	0.20	51.10	N/A	
WS69	497954.49	165447.72	49.386	0.500	48.886	11/01/2021	>0.5	>48.89	N/A	Obstruction identified at 0.5mbgl.
WS69a	497958.58	165444.74	49.386	1.000	48.386	15/01/2021	>1	>48.39	N/A	Suspected service identified at 1.0mbgl.
WS69b	497963.60	165446.33	49.386	1.000	48.386	15/01/2021	>1	>48.39	N/A	Suspected service identified at 1.0mbgl.
WS70	497936.25	165431.11	49.795	3.000	46.795	11/01/2021	2.50	47.30	N/A	
WS71	497893.58	165424.49	50.154	2.000	48.154	11/01/2021	0.30	49.85	N/A	
WS72	497910.50	165418.87	50.174	3.000	47.174	12/01/2021	1.50	48.67	N/A	
WS73	497888.85	165416.99	50.225	0.500	49.725	11/01/2021	>0.5	>49.73	N/A	Obstruction identified at 0.5mbgl.
WS73a	497884.60	165422.02	50.292	2.000	48.292	11/01/2021	0.80	49.49	N/A	
WS74	497898.57	165407.49	50.292	2.000	48.292	11/01/2021	1.00	49.29	N/A	
WS75	497909.37	165407.84	50.173	3.000	47.173	11/01/2021	0.40	49.77	N/A	
WS76	497918.53	165409.07	50.286	0.300	49.986	11/01/2021	>0.3	>49.99	N/A	Obstruction identified at 0.5mbgl.
WS76a	497919.47	165407.31	50.271	0.500	49.771	11/01/2021	>0.5	>49.77	N/A	Terminated due to suspected service at 0.5mbgl.
WS77	497888.13	165404.09	50.208	2.000	48.208	11/01/2021	0.80	49.41	N/A	
WS78	497881.81	165398.69	50.286	2.000	48.286	11/01/2021	0.80	49.49	N/A	
WS79	497906.20	165398.81	50.208	3.000	47.208	11/01/2021	1.20	49.01	N/A	

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497828.60 N165657.47
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS01	WS	49.87m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising black sandy GRAVEL. Gravel comprised fine to coarse, angular to sub-angular brick and concrete. Sand is fine to coarse ash.
					0.30	49.57		Grey SAND. Sand is fine to coarse.
					1.00	48.87		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497855.35 N165666.03
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS02	WS	49.86m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising red and brown sandy GRAVEL of fine to coarse, angular brick. Sand is fine to coarse ash.
					0.90	48.96		Orange and brown SAND. Sand is fine to coarse.
					1.00	48.86		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Suspected service identified at 1.0mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497884.20 N165676.70
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS03	WS	49.92m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	49.82		MADE GROUND comprising black, grey and brown sandy GRAVEL with fine to coarse, angular to sub-angular brick, concrete and clinker. Sand is fine to coarse ash.
								Orange and brown SAND. Sand is fine to coarse.
					1.00	48.92		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497909.66 N165683.04
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS04	WS	49.75m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Orange and grey silty SAND. Sand is fine.
					1.00	48.75		End of Borehole at 1.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497832.00 N165644.68
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS05	WS	50.14m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising brown and black sandy clayey GRAVEL. Gravel comprised fine to medium brick and clinker. Sand is fine to coarse ash.
					0.30	49.84		
					0.40	49.74		Brown, clayey gravelly SAND. Gravel is fine to coarse, sub-rounded to rounded mixed lithologies. Sand is fine to coarse.
								Orange and brown SAND. Sand is fine to coarse.
					1.00	49.14		End of Borehole at 1.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497859.22 N165651.72
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS06	WS	50.11m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	50.01		CONCRETE.
					0.30	49.81		MADE GROUND comprising brown and black sandy clayey GRAVEL. Gravel comprised fine to medium brick and clinker. Sand is fine to coarse ash.
								Grey, orange and brown SAND. Sand is fine to coarse.
					1.10	49.01		Orange silty SAND. Sand is fine.
					2.00	48.11		Grey and brown SAND. Sand is coarse.
					3.00	47.11		End of Borehole at 3.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Monitoring well installed. Response zone between 1.00mbgl and 3.00mbgl. Bentonite installed between ground level and 1.00mbgl and gravel between 1.00mbgl and 3.00mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497889.01 N165659.11
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS07	WS	50.33m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	50.23		CONCRETE.
					0.20	50.13		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					0.40	49.93		MADE GROUND comprising black and brown sandy GRAVEL of brick and clinker. Sand is fine to coarse ash.
								Grey SAND. Sand is fine to coarse.
					2.00	48.33		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497902.12 N165657.06
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS08	WS	50.04m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	49.99		TARMACADAM.
					0.30	49.74		MADE GROUND comprising grey and brown, sandy GRAVEL with ash. Gravel comprised fine to coarse, angular tarmacadam and brick. Sand is fine to coarse. (SUB-BASE).
								Orange, brown and grey SAND. Sand is fine to coarse.
					2.00	48.04		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497921.16 N165655.36
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS09	WS	49.69m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising grey and brown gravelly SAND. Gravel comprised fine to coarse sub-angular flint and brick. Sand is fine to coarse.
					0.80	48.89		Orange, brown and grey SAND. Sand is fine to coarse.
					2.00	47.69		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497836.99 N165626.44
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS10	WS	50.13m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.15	49.98		MADE GROUND comprising black and orange sandy GRAVEL of fine to coarse, angular brick, concrete and tarmacadam. Sand is coarse. (SUB-BASE)
					0.30	49.83		Orange SAND. Sand is fine to coarse.
					1.00	49.13		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497864.26 N165632.95
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS11	WS	50.16m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	50.06		CONCRETE.
					0.20	49.96		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Grey silty SAND. Sand is fine.
					1.00	49.16		End of Borehole at 1.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497893.71 N165640.58
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS12	WS	50.15m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	49.95		
					0.30	49.85		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					0.50	49.65		MADE GROUND comprising black gravelly SAND. Gravel comprised fine to coarse angular brick. Sand is fine to coarse.
								Brown and orange clayey SAND. Sand is fine to coarse.
					1.00	49.15		End of Borehole at 1.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497821.10 N165599.51
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS13	WS	55.77m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	55.57		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					0.30	55.47		MADE GROUND comprising brown sandy GRAVEL of fine to coarse, sub-angular to angular brick and concrete and sub-rounded to rounded flint.
					0.50	55.27		Green, orange and brown SAND. Sand is fine to coarse.
					2.00	53.77		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497837.11 N165601.28
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS14	WS	55.75m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	55.55		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					0.30	55.45		MADE GROUND comprising orange and black sandy GRAVEL of fine to coarse, sub-angular to angular brick and concrete and sub-rounded to rounded flint.
					1.10	54.65		Green, orange and brown SAND. Sand is fine to coarse.
					2.90	52.85		Grey and orange SILT.
					3.00	52.75		End of Borehole at 3.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497869.25 N165617.23
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS15	WS	52.84m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	52.74		CONCRETE.
					0.30	52.54		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Interbedded, green, orange, brown and grey, gravelly, silty SAND. Gravel comprised fine to coarse, sub-rounded flint. Sand is fine to coarse.
					2.00	50.84		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497875.00 N165618.41
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS16	WS	52.84m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	52.74		CONCRETE.
					0.20	52.64		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					0.40	52.44		MADE GROUND comprising black and brown sandy gravelly CLAY. Gravel comprised fine to coarse, sub-angular to angular brick, flint and concrete. Sand is fine to coarse.
								Orange and brown SAND. Sand is fine to coarse.
					1.50	51.34		Grey silty SAND. Sand is fine.
					2.00	50.84		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497892.47 N165623.92
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS17	WS	51.14m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.04		CONCRETE.
					0.20	50.94		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								End of Borehole at 0.200m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Obstruction identified at 0.2mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497890.28 N165624.41
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS17a	WS	51.14m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	50.94		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					0.30	50.84		Orange and grey SAND. Sand is fine to coarse.
					1.00	50.14		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497897.05 N165624.97
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS18	WS	51.15m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.05		CONCRETE.
					0.20	50.95		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								End of Borehole at 0.200m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Service identified at 0.2mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497895.74 N165626.00
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS18a	WS	51.15m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	50.95		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					0.30	50.85		Orange and grey, sandy GRAVEL of fine to coarse, sub-angular flint. Sand is fine to coarse.
					1.00	50.15		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497895.21 N165629.34
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS18b	WS	51.15m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	51.10		PAVING SLAB.
					0.10	51.05		MADE GROUND comprising orange SAND. Sand is coarse.
								MADE GROUND comprising black and brown sandy GRAVEL of fine to coarse, sub-angular to angular brick and concrete and fine to coarse, rounded mixed lithologies. Sand is fine to coarse ash.
					0.80	50.35		Orange and grey, sandy GRAVEL of fine to coarse, sub-angular flint. Sand is fine to coarse.
					1.00	50.15		End of Borehole at 1.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497927.20 N165640.58
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS19	WS	49.64m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising black and brown sandy GRAVEL of fine to coarse, subangular brick. Sand is fine to coarse.
					0.50	49.14		Green, orange and brown gravelly SAND. Gravel comprised fine to coarse, subangular brick. Sand is fine to coarse.
					1.00	48.64		Orange, brown and grey SAND. Sand is fine to coarse.
					1.50	48.14		Grey silty SAND. Sand is fine.
					2.00	47.64		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497830.18 N165590.49
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS20	WS	55.75m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	55.55		
					0.30	55.45		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								MADE GROUND comprising black and brown sandy GRAVEL of fine to coarse, subangular brick, concrete and clinker with fragments of tile. Cobbles of concrete present.
					0.90	54.85		Greenish grey and orange SAND. Sand is fine to coarse.
								Clay lenses at 1.9mbgl.
					2.00	53.75		End of Borehole at 2.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497870.42 N165606.09
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS21	WS	52.82m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	52.72		CONCRETE.
					0.30	52.52		MADE GROUND comprising light brown and grey sandy gravel of fine to coarse, angular brick and concrete with fragments of tarmacadam and rounded mixed lithologies. Sand is coarse. (SUB-BASE)
					0.60	52.22		Brown sandy GRAVEL. Gravel comprised fine to coarse, sub-angular to round flint. Cobbles of flint present.
					1.50	51.32		Grey and brown SILT.
					2.00	50.82		Green and brown mottled SAND. Sand is fine to coarse.
								End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497874.76 N165607.50
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS22	WS	52.83m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	52.73		CONCRETE.
					0.20	52.63		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					0.50	52.33		MADE GROUND comprising black, grey and orange sandy gravel. Gravel comprised fine to coarse, sub-angular to angular, brick and flint. Sand is fine to coarse ash.
								Orange and grey SAND. Sand is fine to coarse.
					2.00	50.83		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497878.16 N165608.08
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS23	WS	52.85m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	52.75		CONCRETE.
								MADE GROUND comprising black, grey and orange sandy GRAVEL. Gravel comprised fine to coarse, sub-angular to angular, brick and flint. Sand is fine to coarse ash.
					0.50	52.35		End of Borehole at 0.500m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Obstruction identified at 0.5mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497895.52 N165611.72
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS24	WS	51.14m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.04		CONCRETE.
					0.20	50.94		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Orange SAND. Sand is fine to coarse.
					1.00	50.14		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497902.80 N165613.60
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS25	WS	51.11m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.01		CONCRETE.
					0.20	50.91		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Orange SAND. Sand is fine to coarse.
					1.00	50.11		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497825.45 N165581.50
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS26	WS	55.75m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	55.55		
					0.30	55.45		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								MADE GROUND comprising red and brown sandy GRAVEL. Gravel comprised fine to coarse, sub-angular to angular brick.
					0.60	55.15		Greenish grey and orange SAND. Sand is fine to coarse.
								Occasional clay lenses between 0.6mbgl and 2.0mbgl.
					2.00	53.75		End of Borehole at 2.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497840.86 N165584.50
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS27	WS	55.75m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	55.55		
					0.30	55.45		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								MADE GROUND comprising black sandy GRAVEL. Gravel comprised fine to coarse, sub-angular to angular, brick, concrete, and clinker. Sand is fine to coarse ash. Cobbles of brick and concrete present.
					1.80	53.95		Greenish grey and orange SAND. Sand is fine to coarse.
					3.00	52.75		End of Borehole at 3.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Monitoring well installed. Response zone between 0.50mbgl and 1.80mbgl. Bentonite installed between ground level and 0.50mbgl, gravel between 0.50mbgl and 1.80mbgl and bentonite installed between 1.80mbgl and 3.00mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497873.82 N165596.82
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS28	WS	52.85m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	52.75		CONCRETE.
					0.30	52.55		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular brick and concrete with fragments of tarmacadam and rounded mixed lithologies. Sand is coarse. (SUB-BASE)
								Brown and grey SAND. Sand is fine to coarse.
					1.50	51.35		Grey and brown SILT.
					2.00	50.85		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497880.04 N165598.58
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS29	WS	52.84m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	52.74		CONCRETE.
					0.20	52.64		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								MADE GROUND comprising black, grey and orange sandy GRAVEL. Gravel comprised fine to coarse, sub-angular to angular, brick and flint. Sand is fine to coarse ash.
					0.60	52.24		Brown gravelly SAND. Gravel comprised fine to coarse rounded mixed lithologies. Sand is fine to coarse.
					1.00	51.84		Green and orange SAND.
					2.00	50.84		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497915.90 N165606.69
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS30	WS	50.00m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	49.95		TARMACADAM.
								MADE GROUND comprising grey and brown, sandy GRAVEL with ash. Gravel comprised fine to coarse, angular tarmacadam and brick. Sand is fine to coarse. (SUB-BASE).
					0.40	49.60		Brown sandy GRAVEL. Gravel comprised fine to coarse, sub-angular flint. Sand is fine to coarse.
					0.50	49.50		Brown and grey, silty SAND. Sand is fine.
					2.00	48.00		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497857.56 N165570.00
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS31	WS	51.48m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.38		CONCRETE.
					0.20	51.28		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Grey, silty SAND. Sand is fine.
					1.00	50.48		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497873.81 N165574.45
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS32	WS	51.44m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.34		CONCRETE.
					0.20	51.24		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Black staining between 0.1mbgl and 0.3mbgl.
								Orange and brown SAND. Sand is fine to coarse.
					1.00	50.44		End of Borehole at 1.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497887.55 N165578.72
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS33	WS	51.29m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.19		CONCRETE.
					0.20	51.09		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete and clinker. Sand is coarse. (SUB-BASE)
								Orange and brown SAND. Sand is fine to coarse.
					1.00	50.29		End of Borehole at 1.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497904.32 N165586.30
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS34	WS	51.01m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	50.91		CONCRETE.
					0.20	50.81		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete and clinker. Sand is coarse. (SUB-BASE)
								Grey and brown sandy GRAVEL. Gravel is fine to coarse, sub-rounded to angular mixed lithologies. Sand is fine to coarse.
					1.10	49.91		Orange and brown SAND. Sand is fine to coarse.
					2.00	49.01		End of Borehole at 2.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497940.69 N165588.26
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS35	WS	49.45m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	49.40		TARMACADAM.
								MADE GROUND comprising grey and brown, sandy GRAVEL with ash. Gravel comprised fine to coarse, angular tarmacadam and brick. Sand is fine to coarse. Whole brick cobbles present. (SUB-BASE).
					0.30	49.15		Orange grey silty SAND. Sand is fine.
					2.00	47.45		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497924.50 N165575.71
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS36	WS	50.04m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	49.94		TARMACADAM.
					0.30	49.74		MADE GROUND comprising grey and brown, sandy GRAVEL with ash. Gravel comprised fine to coarse, angular tarmacadam and brick. Sand is fine to coarse. Whole brick cobbles present. (SUB-BASE).
								Orange and grey SAND. Sand is fine to coarse.
					2.00	48.04		End of Borehole at 2.000m

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4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497865.61 N165547.08
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS37	WS	51.46m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.36		CONCRETE.
					0.20	51.26		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Grey and orange, silty SAND. Sand is fine.
					1.00	50.46		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497880.27 N165550.60
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS38	WS	51.48m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.38		CONCRETE.
					0.30	51.18		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					1.00	50.48		Grey and orange, silty SAND. Sand is fine.
								End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497895.52 N165555.18
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS39	WS	51.46m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.36		CONCRETE.
					0.30	51.16		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Grey and orange, silty SAND. Sand is fine.
					1.00	50.46		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497911.71 N165558.93
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS40	WS	51.44m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.34		CONCRETE.
					0.20	51.24		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Grey and orange SAND. Sand is fine to coarse.
					1.00	50.44		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497869.83 N165529.60
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS41	WS	51.45m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.35		CONCRETE.
					0.20	51.25		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Grey and orange SAND. Sand is fine to coarse.
					1.00	50.45		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497885.47 N165534.06
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS42	WS	51.45m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.35		CONCRETE.
					0.20	51.25		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete with occasional black tarmacadam. Sand is coarse. (SUB-BASE)
								Grey and orange SILT.
					1.00	50.45		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497900.98 N165537.90
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS43	WS	51.45m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.35		CONCRETE.
					0.20	51.25		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete with occasional black tarmacadam. Sand is coarse. (SUB-BASE)
								Grey and orange SILT.
					1.00	50.45		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497916.23 N165541.57
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS44	WS	51.48m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.38		CONCRETE.
					0.30	51.18		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					1.20	50.28		Orange and grey SAND. Sand is fine to coarse.
					2.00	49.48		Grey and orange silty SAND. Sand is fine.
								End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497971.52 N165558.03
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS45	WS	48.74m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising black, brown and green sandy GRAVEL. Gravel comprised fine to coarse sub-rounded flint, angular brick and angular concrete. Sand is fine to coarse. (REWORKED NATURAL DEPOSITS).
					0.80	47.94		Brown SAND. Sand is fine to coarse.
					1.00	47.74		End of Borehole at 1.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497936.02 N165531.33
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS46	WS	50.03m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	49.98		TARMACADAM.
					0.20	49.83		MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular tarmacadam and brick. Sand is fine to coarse. (SUB-BASE).
								Orange and grey SAND. Sand is fine to coarse.
					2.00	48.03		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497955.27 N165530.24
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS47	WS	49.27m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	49.22		TARMACADAM.
					0.20	49.07		MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular tarmacadam and brick. Sand is fine to coarse. (SUB-BASE).
					0.40	48.87		Brown SAND. Sand is fine to coarse.
								Orange brown and grey silty SAND. Sand is fine.
					2.00	47.27		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497847.55 N165488.31
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS48	WS	54.98m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	54.88		CONCRETE.
					0.30	54.68		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Green, brown and orange mottled SAND. Sand is fine to coarse.
					1.90	53.08		Grey and orange, silty SAND. Sand is fine.
					2.00	52.98		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497855.07 N165489.84
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS49	WS	54.91m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	54.81		CONCRETE.
					0.20	54.71		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Green, brown and orange mottled SAND. Sand is fine to coarse.
					2.30	52.61		Grey and orange, silty SAND. Sand is fine.
					3.00	51.91		End of Borehole at 3.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497879.45 N165495.82
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS50	WS	51.42m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	51.22		MADE GROUND comprising brown gravelly SAND. Gravel comprised fine to coarse, angular brick and concrete with sub-rounded flint.
								Black staining between 0.0mbgl and 0.2mbgl.
								Grey SILT.
								Occasional sand lenses between 0.2mbgl and 1.0mbgl.
					1.00	50.42		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497895.41 N165499.81
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS51	WS	51.45m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.35		CONCRETE.
					0.20	51.25		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Grey SILT.
					1.00	50.45		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497909.72 N165503.33
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS52	WS	51.44m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
					0.20	51.24		Brown and orange SAND. Sand is fine to coarse. *Occasional clay lenses between 0.2mbgl and 0.8mbgl.*
					0.80	50.64		Grey SILT.
					1.00	50.44		End of Borehole at 1.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497924.97 N165508.25
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS53	WS	51.45m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.35		CONCRETE.
					0.20	51.25		MADE GROUND comprising black, brown, orange and grey, gravelly, sandy CLAY. Gravel is fine to coarse, sub-angular to angular brick and sub-rounded to rounded flint.
					0.30	51.15		MADE GROUND comprising black, brown, orange and grey, gravelly, sandy CLAY. Gravel is fine to coarse, sub-angular to angular brick and sub-rounded to rounded flint.
								Orange and brown SAND. Sand is fine to coarse.
					2.00	49.45		End of Borehole at 2.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497979.93 N165525.04
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS54	WS	48.70m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising black sandy GRAVEL with ash. Gravel comprised fine to coarse, angular brick. Sand is fine to coarse.
					0.40	48.30		MADE GROUND comprising brown sandy GRAVEL. Gravel comprised fine to coarse sub-rounded flint. Sand is fine to coarse. (REWORKED NATURAL DEPOSITS).
					0.80	47.90		Green, orange and brown sandy GRAVEL. Gravel comprised fine to coarse, sub-rounded flint. Sand is fine to coarse.
					1.30	47.40		Grey and brown mottled silty SAND. Sand is fine.
					2.00	46.70		End of Borehole at 2.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497853.31 N165480.86
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS55	WS	54.94m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	54.84		CONCRETE.
					0.20	54.74		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Green, brown and orange mottled SAND. Sand is fine to coarse.
					2.00	52.94		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497946.41 N165498.46
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS56	WS	49.93m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	49.83		TARMACADAM.
								MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular tarmacadam, clinker, ash and brick. Sand is fine to coarse. (SUB-BASE)
					0.50	49.43		Orange and grey mottled SAND. Sand is fine to coarse.
					2.00	47.93		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497857.47 N165468.37
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS57	WS	54.98m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	54.88		CONCRETE.
					0.20	54.78		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Green, brown and orange mottled SAND. Sand is fine to coarse.
					2.00	52.98		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497972.36 N165492.10
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS58	WS	48.97m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising dark brown gravelly sandy TOPSOIL with rootlets. Gravel comprised fine to coarse, sub-rounded flint, angular brick. Sand is fine to coarse. Cobbles of whole brick.
					0.50	48.47		MADE GROUND comprising brown sandy clayey GRAVEL. Gravel comprised fine to coarse sub-rounded flint. Sand is fine to coarse. (REWORKED NATURAL DEPOSITS).
					1.00	47.97		Brown and grey clayey SAND. Sand is fine to coarse.
					1.80	47.17		Greenish grey SAND. Sand is fine to coarse.
					2.00	46.97		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497855.29 N165460.16
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS59	WS	54.96m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	54.86		CONCRETE.
					0.20	54.76		MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular concrete and brick. Sand is fine to coarse. (SUB-BASE)
								Green, brown and orange mottled SAND. Sand is fine to coarse.
					1.90	53.06		Grey and white silty SAND. Sand is fine.
					2.00	52.96		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497862.63 N165461.86
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS60	WS	54.97m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	54.87		CONCRETE.
					0.20	54.77		MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular concrete and brick. Sand is fine to coarse. (SUB-BASE)
								End of Borehole at 0.200m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Obstruction identified at 0.2mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497864.78 N165465.48
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS60a	WS	54.97m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising dark brown, clayey, gravelly SAND. Gravel comprised fine to coarse, sub-angular to angular brick and sub-rounded flint, with occasional roots and cobbles of flint.
					0.80	54.17		Brown and orange mottled SAND. Sand is fine to coarse.
					1.00	53.97		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 13/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497887.66 N165464.62
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS61	WS	51.47m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	51.27		
					0.30	51.17		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								MADE GROUND comprising brown sandy gravelly CLAY. Gravel comprised fine to coarse, angular brick and sub-rounded flint.
					0.60	50.87		End of Borehole at 0.600m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Water ingress into starter pit. Deemed unsafe to continue.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497892.30 N165463.02
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS61a	WS	51.47m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.50	50.97		MADE GROUND comprising brown and black, clayey gravelly SAND. Gravel comprised fine to coarse, sub-angular to angular brick and concrete. Sand is fine to coarse. Cobbles of brick present.
								End of Borehole at 0.500m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Service identified at 0.5mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497886.58 N165476.63
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS61b	WS	51.47m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising brown and black, gravelly SAND. Gravel comprised fine to coarse, sub-angular to angular brick and concrete. Sand is fine to coarse. Cobbles of brick and fragments of wood present.
					0.30	51.17		Grey SILT.
					1.00	50.47		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497902.23 N165468.14
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS62	WS	51.46m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.15	51.31		MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular concrete. Sand is fine to coarse. (SUB-BASE).
					0.30	51.16		Brown gravelly SAND. Gravel comprised fine to coarse, sub-rounded flint. Sand is fine to coarse.
					1.30	50.16		Grey SILTSTONE.
					2.00	49.46		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497918.30 N165471.71
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS63	WS	51.46m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								TARMACADAM.
					0.20	51.26		MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular tarmacadam, concrete and brick. Sand is fine to coarse. (SUB-BASE).
					0.30	51.16		Brown, orange and grey SAND. Sand is fine to coarse.
					2.00	49.46		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497933.72 N165475.94
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS64	WS	51.45m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.60	50.85		MADE GROUND comprising brown and grey, sandy GRAVEL. Gravel is fine to coarse, angular brick and concrete, and sub-rounded flint with fragments of glass and suspected asbestos cement.
								End of Borehole at 0.600m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Obstruction identified at 0.6mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 14/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497929.51 N165477.15
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS64a	WS	51.45m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.35		CONCRETE.
					0.30	51.15		MADE GROUND comprising light brown and grey sandy GRAVEL of fine to coarse, angular concrete. Sand is coarse. (SUB-BASE)
								Brown SAND. Sand is fine to coarse.
					2.00	49.45		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497954.43 N165474.43
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS65	WS	49.52m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	49.42		TARMACADAM.
								MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular tarmacadam, clinker, ash and brick. Sand is fine to coarse. (SUB-BASE)
					1.40	48.12		Green, brown and orange SAND. Sand is fine to coarse.
					2.00	47.52		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497891.02 N165449.95
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS66	WS	51.45m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	51.40		TARMACADAM.
								MADE GROUND. Black and dark brown, sandy GRAVEL comprising fine to coarse, sub-angular brick and concrete. Sand is fine to coarse.
					0.30	51.15		Brown and grey mottled slightly gravelly, silty SAND. Gravel comprised coarse, rounded flint. Sand is fine to coarse.
					2.00	49.45		End of Borehole at 2.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497913.71 N165455.47
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS67	WS	51.32m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	51.28		TARMACADAM.
					0.15	51.18		MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular tarmacadam, clinker, ash and brick. Sand is fine to coarse. (SUB-BASE)
								Brown, orange and grey SAND. Sand is fine to coarse.
					1.50	49.82		End of Borehole at 1.500m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497938.18 N165461.33
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS68	WS	51.30m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	51.20		TARMACADAM.
					0.20	51.10		MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular tarmacadam and brick. Sand is fine to coarse. (SUB-BASE).
								Grey, brown and orange mottled, silty SAND. Sand is fine.
					2.00	49.30		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497954.49 N165447.72
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS69	WS	49.39m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	49.34		TARMACADAM. MADE GROUND comprising grey and brown, sandy GRAVEL. Gravel comprised fine to coarse, angular tarmacadam and brick. Sand is fine to coarse. (SUB-BASE).
					0.50	48.89		End of Borehole at 0.500m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Obstruction identified at 0.5mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497958.58 N165444.74
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS69a	WS	49.39m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	49.34		TARMACADAM. MADE GROUND comprising sandy GRAVEL of fine to coarse, sub-angular to angular brick, concrete, slate, clinker and tarmacadam, sub-anglar to rounded flint. Cobbles of whole brick.
					1.00	48.39		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Suspected service identified at 1.0mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 15/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497963.60 N165446.33
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS69b	WS	49.39m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	49.19		MADE GROUND. Brown clayey, gravelly sandy TOPSOIL. Gravel comprised fine to coarse, sub-angular to angular brick, and sub-angular to rounded flint.
								MADE GROUND comprising black and brown sandy GRAVEL of fine to coarse, subangular brick.
					1.00	48.39		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Suspected service identified at 1.0mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497936.25 N165431.11
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS70	WS	49.80m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	49.74		TARMACADAM.
					0.20	49.60		MADE GROUND comprising grey sandy GRAVEL. Gravel comprised fine to coarse, angular tarmacadam. Sand is fine to coarse. (SUB-BASE).
								MADE GROUND comprising black and dark brown, clayey gravelly SAND. Gravel comprised fine to coarse angular concrete, brick, sub-rounded flint. Sand is fine to coarse.
					2.50	47.30		Brown silty SAND. Sand is fine.
					3.00	46.80		End of Borehole at 3.000m

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Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497893.58 N165424.49
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS71	WS	50.15m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND. Dark brown, slightly gravelly SAND. Gravel comprised fine to coarse, angular brick. Sand is fine to coarse. *Suspected asbestos cement between 0.0mbgl and 0.3mbgl.*
					0.30	49.85		Brown and orange mottled, slightly clayey SAND. Sand is fine to coarse.
					1.30	48.85		Grey silty SAND. Sand is fine.
					2.00	48.15		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 12/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497910.50 N165418.87
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS72	WS	50.17m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.30	49.87		MADE GROUND comprising grey, brown and orange sandy GRAVEL. Gravel is fine to coarse, angular brick, sub-rounded flint, angular concrete with clinker and ash. *Slight hydrocarbon odour and black staining between 0.3mbgl and 0.9mbgl.*
					0.90	49.27		MADE GROUND comprising dark brown and black, slightly gravelly, sandy CLAY. Gravel is coarse clinker and fine angular brick. (Reworked). *Slight organic odour between 0.9mbgl and 1.5mbgl.*
					1.50	48.67		Green gravelly SAND. Gravel comprised fine to coarse, sub-rounded flint. Sand is fine to coarse.
					1.80	48.37		Grey, brown and orange silty SAND. Sand is fine to coase.
					3.00	47.17		End of Borehole at 3.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497888.85 N165416.99
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS73	WS	50.22m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.50	49.72		CONCRETE.
								End of Borehole at 0.500m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Obstruction identified at 0.5mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497884.60 N165422.02
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS73a	WS	50.29m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising brown, slightly gravelly, clayey sandy TOPSOIL. Gravel comprised fine, angular brick with occasional rootlets.
					0.30	49.99		*Suspected asbestos cement between 0.2mbgl and 1.0mbgl.*
								MADE GROUND comprising brown and red gravelly SAND. Gravel is fine to coarse, angular brick, with fragments of glass and suspected asbestos cement.
					0.80	49.49		Orange, green and brown mottled gravelly SAND. Gravel is fine to coarse, sub-rounded flint. Sand is fine to coarse.
					1.20	49.09		Grey and brown silty SAND. Sand is fine.
					2.00	48.29		End of Borehole at 2.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497898.57 N165407.49
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS74	WS	50.29m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	50.09		MADE GROUND comprising black and grey gravelly SAND. Gravel comprised fine to coarse angular brick, sub-rounded flint. Sand is fine to coarse ash. Cobbles of flint are present.
					1.00	49.29		Greenish brown sandy GRAVEL. Gravel comprised fine to coarse, angular flint. Sand is fine to coarse.
					2.00	48.29		End of Borehole at 2.000m

1 2 3 4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497909.37 N165407.84
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS75	WS	50.17m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.30	49.87		
					0.40	49.77		MADE GROUND comprising orange and brown sandy GRAVEL. Gravel comprised fine to coarse angular brick and flint. Sand is fine to coarse.
								Brown and dark brown, gravelly SAND. Gravel is fine to coarse sub-rounded flint. Sand is fine to coarse.
					1.80	48.37		Green, orange and brown mottled sandy GRAVEL. Gravel is fine to coarse sub-rounded to angular flint. Sand is fine to coarse.
					2.40	47.77		Grey and brown mottled silty SAND. Sand is fine.
					3.00	47.17		End of Borehole at 3.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497918.53 N165409.07
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS76	WS	50.29m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	49.99		CONCRETE.
								End of Borehole at 0.300m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Obstruction identified at 0.5mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497919.47 N165407.31
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS76a	WS	50.27m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising black GRAVEL. Gravel is fine to coarse mixed lithologies.
					0.50	49.77		End of Borehole at 0.500m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

Terminated due to suspected service at 0.5mbgl.

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497888.13 N165404.09
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS77	WS	50.21m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND comprising brown gravelly SAND. Gravel is fine to coarse angular brick, sub-rounded to angular flint. Sand is fine to coarse. (REWORKED NATURAL DEPOSITS).
					0.80	49.41		Green, orange and brown mottled sandy GRAVEL. Gravel is fine to coarse sub-rounded to angular flint. Sand is fine to coarse.
					2.00	48.21		End of Borehole at 2.000m

1
2
3
4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497881.81 N165398.69
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS78	WS	50.29m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.20	50.09		MADE GROUND comprising brown and reddish brown clayey SAND. Gravel is fine to coarse, sub-rounded flint. Sand is fine to coarse. Occassional cobbles of sub-rounded flint.
					0.80	49.49		Green, orange and grey mottled gravelly SAND. Gravel is fine to coarse sub-rounded to angular flint. Sand is fine to coarse.
					1.90	48.39		Light grey silty SAND. Sand is fine.
					2.00	48.29		End of Borehole at 2.000m

1
2
3
4

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

AGS

Percussion Drilling Log

Project Name: Longcross Studios	Client: Ark Data Centres Ltd	Date: 11/01/2021
Location: Longcross Studios, Chobham Lane, Chertsey, KT16 0EX	Contractor: Oakland Site Investigation Ltd	Co-ords: E497906.20 N165398.81
Project No. : 201250	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS79	WS	50.21m AoD	CB	1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE.
					0.30	49.91		MADE GROUND comprising black and grey, clayey sandy GRAVEL of fine to coarse, angular brick and whole brick. Sand is fine to coarse.
					1.20	49.01		Green sandy GRAVEL. Gravel comprised fine to coarse sub-rounded flint. Sand is fine to coarse.
					2.50	47.71		Grey and green SILT.
					2.80	47.41		Greenish grey SAND. Sand is coarse.
					3.00	47.21		End of Borehole at 3.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

APPENDIX 4: LABORATORY TESTING

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1734620	1734621	1734622	1734623	1734624	1734625	1734626	1734627	1734628
Sample Reference					WS04	WS09	WS09	WS19	WS19	WS35	WS35	WS45	WS45
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.3	0.2	1.5	0.2	1.2	0.1	0.5	0.4	0.9
Date Sampled					11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil or Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	17	6.9	9.5	15	14	6.5	13	10	12
Total mass of sample received	kg	0.001	NONE	N/A	2	1.7	2	2	1.7	1.7	2	1.7	1.7
					-	-	-	-	-	-	-	-	-
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A									
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-	-	-
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	5.0	8.6	7.6	8.0	4.5	7.8	5.2	5.5	6.5
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.024	0.024	0.055	0.066	0.047	0.014	0.02	0.016	0.023
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	100	63	36	170	130	100	120	47	92
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.05	0.032	0.018	0.084	0.065	0.051	0.06	0.023	0.046
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	49.8	31.5	17.9	83.7	65.3	51.2	60	23.3	46.1
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	< 0.1	0.3	< 0.1	1.4	< 0.1	0.2	0.1	< 0.1	0.4
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	< 0.05	< 0.05	< 0.05	1.2	< 0.05	0.45	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	< 0.05	< 0.05	< 0.05	1.2	< 0.05	0.53	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	< 0.05	< 0.05	< 0.05	0.63	< 0.05	0.32	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	< 0.05	< 0.05	< 0.05	0.54	< 0.05	0.21	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	< 0.05	< 0.05	< 0.05	0.73	< 0.05	0.37	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	< 0.05	< 0.05	< 0.05	0.41	< 0.05	0.16	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	< 0.05	< 0.05	< 0.05	0.6	< 0.05	0.39	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	< 0.05	< 0.05	0.28	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	< 0.05	< 0.05	0.35	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	< 0.80	< 0.80	< 0.80	6	< 0.80	2.43	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	11	22	8.1	8	3.4	7.2	3.7	5.8	6.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	14	35	6.7	18	14	17	23	29	28
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	11	16	11	30	14	11	12	9.5	11
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	5.7	12	4.7	84	5.6	17	6.2	4.8	6.4
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	3.4	12	1.6	13	3.7	5.3	4.2	6.9	11
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	15	30	13	63	18	22	15	23	29
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	13	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	37	< 8.0	< 8.0	14	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	< 10	52	< 10	< 10	14	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	< 10	< 10	< 10	19	< 10	28	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	< 10	< 10	24	< 10	34	< 10	< 10	< 10

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1734629	1734630	1734631	1734632	1734633	1734634	1734635	1734636	1734637
Sample Reference					WS47	WS47	WS54	WS54	WSS8	WSS8	WSS8	WS69	WS70
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.1	0.5	0.2	1.5	0.3	0.75	1.5	0.3	0.4
Date Sampled					11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	26
Moisture Content	%	0.01	NONE	N/A	4.2	14	10	11	7.1	9.9	14	2	4
Total mass of sample received	kg	0.001	NONE	N/A	1.7	2	2	2	2	2	2	2	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A	-	-	-	-	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-	-	-
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	11.3	5.6	9.5	6.3	8.0	7.1	5.5	10.2	11.6
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.378	0.014	0.192	0.011	0.018	0.022	0.014	0.141	0.19
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	250	42	700	35	59	32	49	540	38
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.12	0.021	0.35	0.018	0.03	0.016	0.025	0.27	0.019
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	124	20.9	350	17.5	29.6	16	24.7	273	19.2
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	0.6	1	1.1	0.4	1.4	1.7	0.1	2.7	1.5
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	0.76	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	5	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	4.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	45	< 0.05	1.5	< 0.05	< 0.05	0.52	< 0.05	0.21	0.5
Anthracene	mg/kg	0.05	MCERTS	540000	12	< 0.05	0.43	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	68	< 0.05	2.8	< 0.05	< 0.05	1.2	< 0.05	0.57	1.6
Pyrene	mg/kg	0.05	MCERTS	54000	45	< 0.05	2.9	< 0.05	< 0.05	1.3	< 0.05	0.74	1.6
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	30	< 0.05	1.6	< 0.05	< 0.05	0.74	< 0.05	0.2	0.9
Chrysene	mg/kg	0.05	MCERTS	350	21	< 0.05	1.3	< 0.05	< 0.05	0.5	< 0.05	0.3	1
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	32	< 0.05	1.7	< 0.05	< 0.05	0.8	< 0.05	0.93	1.4
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	8.8	< 0.05	0.52	< 0.05	< 0.05	0.33	< 0.05	0.26	0.77
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	21	< 0.05	0.91	< 0.05	< 0.05	0.66	< 0.05	0.71	1.3
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	9.9	< 0.05	0.65	< 0.05	< 0.05	0.28	< 0.05	0.58	0.73
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	3.3	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	11	< 0.05	0.91	< 0.05	< 0.05	0.4	< 0.05	0.87	1
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	316	< 0.80	15.2	< 0.80	< 0.80	6.74	< 0.80	5.37	10.8
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	11	7.1	16	3	2.8	7.5	5.1	5.5	8.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	0.6	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	19	25	32	12	12	21	20	18	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	34	13	53	13	16	20	14	42	46
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	9.2	4.9	240	4.2	7.8	19	4.5	5.9	34
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	15	5.8	25	4.3	11	12	4.5	20	20
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	50	25	160	17	19	58	23	47	81
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	2	< 1.0	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	40	< 2.0	3.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	22
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	180	< 8.0	17	< 8.0	< 8.0	< 8.0	< 8.0	9.6	130
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	180	< 8.0	160	< 8.0	< 8.0	< 8.0	< 8.0	200	670
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	400	< 10	180	< 10	< 10	< 10	< 10	210	820
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	3.9	< 1.0	2.3	< 1.0	< 1.0	< 1.0	< 1.0	1.5	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	25	< 2.0	4.8	< 2.0	< 2.0	< 2.0	< 2.0	2.7	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	240	< 10	25	< 10	< 10	< 10	< 10	< 10	37
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	420	< 10	180	< 10	< 10	16	< 10	210	330
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	690	< 10	210	< 10	< 10	22	< 10	230	370

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1734638	1734639	1734640	1734641	1734642	1734643	1734644	1734645	1734646
Sample Reference					WS70	WS71	WS71	WS73a	WS73a	WS74	WS74	WS75	WS75
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					2.6	0.2	1.4	0.5	1.2	0.3	1.2	0.5	0.35
Date Sampled					11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Asphalt Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	12	11	19	12	20	11	7.9	19	7.5
Total mass of sample received	kg	0.001	NONE	N/A	2	1.5	2	1.5	1.7	1.7	2	1.7	1
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A	-	Chrysotile-Hard/Cement Type Material	-	Chrysotile, Amosite, Crocidolite- Loose Fibres; Chrysotile, Amosite- Loose Fibrous Debris, Chrysotile-Hard/Cement Type Material	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Detected	Not-detected	Detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001	-	1.966	-	0.103	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001	-	1.97	-	0.103	-	-	-	-	-
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	8.7	10.8	7.4	8.9	7.2	7.5	6.0	6.8	10
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.011	0.108	0.01	0.14	0.024	0.112	0.053	0.048	0.24
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	35	140	33	260	150	540	320	120	1600
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.017	0.072	0.017	0.13	0.077	0.27	0.16	0.062	0.82
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	17.3	72.4	16.7	131	77.2	272	162	62.2	818
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	1	1	0.9	0.8	0.5	1.1	0.3	2	0.4
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	1.2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	1.5	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	3.5	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	0.3	33	< 0.05	1	< 0.05	0.42	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	6.9	< 0.05	0.23	< 0.05	0.17	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	0.35	33	< 0.05	1.8	< 0.05	1.4	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	0.32	26	< 0.05	1.6	< 0.05	1.5	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	< 0.05	14	< 0.05	1.1	< 0.05	0.85	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	< 0.05	11	< 0.05	0.84	< 0.05	0.56	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	< 0.05	11	< 0.05	1.2	< 0.05	0.74	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	< 0.05	5.7	< 0.05	0.42	< 0.05	0.44	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	< 0.05	11	< 0.05	0.86	< 0.05	0.74	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	3.9	< 0.05	0.56	< 0.05	0.36	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	0.99	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	4.5	< 0.05	0.59	< 0.05	0.44	< 0.05	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	0.97	166	< 0.80	10.2	< 0.80	7.61	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	22	11	3.6	16	2.2	7.4	12	6.1	9.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	15	25	7	30	9.1	17	21	13	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	18	63	15	28	13	25	13	17	24
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	6.2	40	3.7	67	5.2	17	7.8	18	21
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	5.4	17	3.3	18	3.2	20	8.5	3.8	20
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	22	120	14	96	17	44	22	24	34
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	< 8.0	8.5	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	< 8.0	47	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	56	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	17	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	31	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	< 10	130	< 10	12	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	< 10	83	< 10	24	< 10	19	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	260	< 10	36	< 10	28	< 10	< 10	< 10

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1734647	1734648	1734649	1734650	1734651	1734652	1734653	1734654	1736161
Sample Reference					WS75	WS76a	WS77	WS77	WS78	WS78	WS79	WS79	WS72
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					2.5	0.2	0.4	1.5	0.5	1.5	0.5	1.5	0.5
Date Sampled					11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021	12/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Asbestos Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	8.6	6.8	12	8.2	18	18	16	12	12
Total mass of sample received	kg	0.001	NONE	N/A	1.7	1.7	2	1.7	1.7	2	2	2	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A	-	-	-	-	-	-	-	-	Chrysotile- Loose Fibres
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-	-	< 0.001
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-	-	< 0.001
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	5.9	9.6	7.6	4.5	4.3	4.8	6.5	6.1	8
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.029	0.048	0.011	0.031	0.094	0.024	0.037	0.012	0.096
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	160	140	63	120	460	110	200	19	550
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.078	0.07	0.032	0.059	0.23	0.056	0.098	0.0094	0.27
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	78.2	69.8	31.7	58.7	231	56	98	9.4	274
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	< 0.1	1.3	0.4	0.9	2.6	0.2	1.5	0.2	1.1
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.33
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.61
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.52
Phenanthrene	mg/kg	0.05	MCERTS	22000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	6.5
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	2.1
Fluoranthene	mg/kg	0.05	MCERTS	23000	< 0.05	0.26	< 0.05	< 0.05	< 0.05	< 0.05	0.32	< 0.05	12
Pyrene	mg/kg	0.05	MCERTS	54000	< 0.05	0.33	< 0.05	< 0.05	< 0.05	< 0.05	0.51	< 0.05	10
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	< 0.05	0.18	< 0.05	< 0.05	< 0.05	< 0.05	0.19	< 0.05	7.5
Chrysene	mg/kg	0.05	MCERTS	350	< 0.05	0.18	< 0.05	< 0.05	< 0.05	< 0.05	0.18	< 0.05	4.6
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	6.6
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	2.7
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	5.9
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	3.2
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.8
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	3.9
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	< 0.80	0.95	< 0.80	< 0.80	< 0.80	< 0.80	1.2	< 0.80	67
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	7	8.9	1.6	13	7.8	8.2	4.2	9	9.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	30	17	4.2	29	20	48	12	27	22
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	18	34	13	15	12	12	11	12	17
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	6	22	2.7	6.9	16	7.7	11	11	100
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	8	16	1.3	8.8	4.9	14	3.7	7	20
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	25	84	10	33	23	37	22	29	49
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	< 2.0	16	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	12
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	24
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	70
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	< 10	16	< 10	< 10	< 10	< 10	< 10	110
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	14
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	79
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	120
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	210

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1736162	1736163	1736164	1736165	1736166	1736167	1736168	1736169	1736170
Sample Reference					WS72	WS72	WS66	WS66	WS67	WS67	WS65	WS65	WS56
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					1.2	1.6	0.2	0.6	0.1	0.5	0.5	1.6	0.3
Date Sampled					12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Sales Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	32	13	13	15	7.9	13	9.5	16	15
Total mass of sample received	kg	0.001	NONE	N/A	1.5	2	2	1.5	1.5	2	1.5	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A	-	-	-	-	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-	-	-
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	6.1	5.9	9.8	8.9	8.7	6.2	8.7	8.5	9.3
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.149	0.027	0.114	0.05	0.09	0.089	0.367	0.025	0.322
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	650	82	170	40	200	98	820	69	1100
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.32	0.041	0.085	0.02	0.098	0.049	0.41	0.035	0.54
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	325	41	84.9	19.8	97.6	49.2	408	34.7	540
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	4.1	0.2	0.9	0.2	0.4	0.1	0.5	0.2	1.3
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	1.1	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	0.62	< 0.05	0.37	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	6.7	< 0.05	5	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	5.8	< 0.05	3.7	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	1.2	0.67	45	0.2	31	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	0.27	< 0.05	16	< 0.05	10	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	1.9	1.3	69	0.36	48	< 0.05	0.31	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	1.6	1.1	63	0.33	40	< 0.05	0.26	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	0.97	0.89	42	0.2	27	< 0.05	0.33	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	0.86	0.49	27	0.15	15	< 0.05	0.19	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	1.2	0.8	39	0.2	21	< 0.05	0.41	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	0.22	0.23	13	0.05	8.7	< 0.05	0.12	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	0.91	0.65	36	< 0.05	20	< 0.05	0.29	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	0.54	0.39	18	< 0.05	9.6	< 0.05	0.24	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	4.2	< 0.05	2.5	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	0.6	0.47	20	< 0.05	11	< 0.05	0.36	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	10.3	6.97	406	1.49	254	< 0.80	2.51	< 0.80	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	14	6.2	6.3	5	5.3	6.4	15	9.6	10
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.4
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	13	27	17	14	14	15	19	26	19
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	12	4.5	10	3.4	5.6	6.9	51	4.3	39
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	40	6.6	100	5.9	6.5	7.4	50	6.5	32
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	12	6.4	8.2	3.8	6.9	3.7	31	6.3	40
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	78	17	74	12	18	12	58	16	55
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	2.9	< 1.0	2	3.1	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	< 2.0	26	< 2.0	15	16	< 2.0	< 2.0	2.6
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	40	< 8.0	27	29	< 8.0	< 8.0	18
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	99	< 8.0	62	54	< 8.0	< 8.0	72
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	< 10	170	< 10	110	100	< 10	< 10	93
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	79	< 2.0	55	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	21	18	470	< 10	260	< 10	< 10	< 10	13
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	44	25	540	< 10	200	< 10	< 10	< 10	87
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	65	44	1100	< 10	510	< 10	< 10	< 10	99

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1736171	1736172	1736173	1736174	1736175	1736176	1736177	1736178	1736179
Sample Reference					WS56	WS46	WS46	WS36	WS36	WS30	WS30	WS08	WS08
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					1.2	0.1	0.6	0.2	0.75	0.1	0.8	0.1	0.5
Date Sampled					12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Asphalt Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	16	14	13	6.4	11	6.3	9.9	12	14
Total mass of sample received	kg	0.001	NONE	N/A	2	1.5	1.7	1.7	1.7	2	2	2	1.2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A	-	-	-	-	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-	-	-
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	8.4	10	6	10.6	6.5	9.1	8.3	9	6.3
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.032	0.431	0.02	0.262	0.044	0.026	0.03	0.084	0.031
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	150	1300	42	630	62	89	50	290	86
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.073	0.67	0.021	0.32	0.031	0.045	0.025	0.15	0.043
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	73.2	671	21.1	317	31.2	44.7	24.9	146	42.9
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	0.1	0.9	0.2	1.5	0.1	0.7	0.2	0.3	0.1
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.55
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	< 0.05	0.29	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.79
Pyrene	mg/kg	0.05	MCERTS	54000	< 0.05	0.33	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.64
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	< 0.05	0.31	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.47
Chrysene	mg/kg	0.05	MCERTS	350	< 0.05	0.24	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.28
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	< 0.05	0.36	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.39
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	< 0.05	0.17	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.13
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	< 0.05	0.22	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.29
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	0.22	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	0.33	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	< 0.80	2.47	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	3.54
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	5.3	10	5.5	12	4	11	5.3	5.4	3.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	20	23	19	17	12	27	12	17	13
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	8.3	29	6.9	22	5.4	13	4.8	8.3	4.7
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	5	76	5.7	25	6.7	9.8	6	13	5
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	3.4	19	3.3	18	2.5	17	2.7	7.5	3.1
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	9.5	63	8.4	29	5.9	25	8.7	49	9.7
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	3	< 2.0	2.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	< 8.0	21	< 8.0	17	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	< 8.0	100	< 8.0	160	< 8.0	< 8.0	< 8.0	61	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	130	< 10	180	< 10	< 10	< 10	61	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	7.3	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	< 10	21	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	< 10	170	< 10	230	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	200	< 10	240	< 10	< 10	< 10	< 10	< 10

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1736180	1736181	1736182	1736183	1736184	1736185	1736186	1736187	1736188
Sample Reference					WS68	WS68	WS64	WS63	WS63	WS62	WS62	WS49	WS49
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.15	0.5	0.2	0.3	0.6	0.2	0.5	0.15	0.5
Date Sampled					12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Asphalt Screening Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	5.9	12	18	8	11	14	9.8	2.4	14
Total mass of sample received	kg	0.001	NONE	N/A	1.5	2	2	2	2	1.7	2	2	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A	-	-	Chrysotile - Hard/Cement Type Material	-	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001	-	-	4.024	-	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001	-	-	4.02	-	-	-	-	-	-
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	10.1	7.8	10.1	11.8	6	11	6	11.6	5.1
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.109	0.085	0.369	0.472	0.086	0.306	0.072	0.367	0.04
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	160	110	610	100	130	310	110	120	180
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.079	0.057	0.3	0.052	0.063	0.16	0.054	0.06	0.088
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	78.8	56.5	305	51.7	63.1	157	53.8	60.2	87.9
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	1.2	0.2	1.2	3.5	0.7	1.6	0.3	0.6	0.2
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	0.29	< 0.05	0.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	0.98	< 0.05	0.19	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	9.8	< 0.05	2.7	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	7.2	< 0.05	1.8	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	65	< 0.05	15	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	19	< 0.05	2.8	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	78	< 0.05	13	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	60	< 0.05	11	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	37	< 0.05	6.7	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	25	< 0.05	5	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	34	< 0.05	6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	6.1	< 0.05	2.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	24	< 0.05	5.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	11	< 0.05	2.5	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	3.1	< 0.05	0.63	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	12	< 0.05	2.9	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	394	< 0.80	78.3	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	6.9	5.7	8.8	7	6.4	6.7	6.7	6.9	15
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	14	10	31	14	12	16	11	16	66
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	6.8	4.1	27	6.7	4.6	6.3	4.7	7.8	3.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	86	16	11	3.8	7	6.1	9.1	23	8.2
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	6.9	2	11	13	2.3	7.7	2.2	11	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	37	9.1	83	16	6.9	15	7.2	26	51
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	5.4	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	30	< 8.0	19	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	110	< 8.0	140	45	< 8.0	47	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	140	< 10	160	45	< 10	47	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	110	< 2.0	31	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	630	< 10	98	< 10	< 10	12	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	620	< 10	240	< 10	< 10	84	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	1400	< 10	370	< 10	< 10	97	< 10	< 10	< 10

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1736189	1736190	1736191	1736192	1736193	1736194	1737443	1737444	1737445
Sample Reference					WS48	WS48	WS55	WS55	WS57	WS57	WS59	WS59	WS60
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.2	0.5	0.15	0.5	0.15	0.5	0.15	0.5	0.15
Date Sampled					12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Asphalt Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	2.5	14	6.6	18	4.9	14	13	19	5.5
Total mass of sample received	kg	0.001	NONE	N/A	1.7	2	1.7	2	2	2	1.7	1.7	1.5
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A	-	-	-	-	-	-			
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-			
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-			
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	12.2	6.4	11.9	5	11.7	5.2	12	7.9	11.3
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.625	0.024	0.651	0.039	0.464	0.018	1.02	0.026	0.324
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	14	79	36	170	15	73	50	120	130
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.0068	0.04	0.018	0.084	0.0077	0.036	0.025	0.062	0.067
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	6.8	39.5	17.8	83.9	7.7	36.3	25.2	62.1	67.3
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	0.4	0.1	0.9	0.2	0.4	0.2	0.2	< 0.1	0.6
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	5.1	11	10	17	5.7	9.3	7.2	9.1	19
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	20	62	33	65	20	54	24	60	30
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	16	11	8.4	4.5	8.9	3.3	8.3	2.7	5.7
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	2.7	7	5.1	7.3	5.9	6.8	3.6	7.5	12
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	16	20	20	16	17	17	19	20	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	20	54	60	46	34	42	55	43	41
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	< 8.0	< 8.0	43	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	< 10	< 10	< 10	50	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1737446	1737447	1737448	1737449	1737450	1737451	1737452	1737453	1737454
Sample Reference					WS60a	WS61	WS50	WS50	WSS2	WSS2	WSS1	WSS1	WSS3
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.5	0.4	0.1	0.5	0.15	0.5	0.15	0.5	0.3
Date Sampled					13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Safer Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	14	11	16	19	12	15	12	22	19
Total mass of sample received	kg	0.001	NONE	N/A	2	2	2	2	1.7	1.7	1.7	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A									
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001									
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001									
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	8	10.9	9.7	9.8	9.1	7.2	11.2	5.1	8
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.039	0.377	0.099	0.018	0.158	0.025	0.391	0.029	0.04
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	230	340	260	63	390	96	52	120	160
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.12	0.17	0.13	0.031	0.2	0.048	0.026	0.058	0.08
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	115	169	131	31.4	196	47.8	25.9	58.2	79.7
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	1.1	0.6	0.5	0.1	1.1	0.3	0.3	< 0.1	0.3
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	4.6	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	0.74	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	< 0.05	< 0.05	2.5	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	< 0.05	< 0.05	0.59	< 0.05	24	< 0.05	0.45	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	< 0.05	0.25	< 0.05	5.4	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	< 0.05	< 0.05	1.7	< 0.05	19	< 0.05	0.51	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	< 0.05	< 0.05	1.4	< 0.05	14	< 0.05	0.45	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	< 0.05	< 0.05	0.84	< 0.05	8.1	< 0.05	0.66	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	< 0.05	< 0.05	0.77	< 0.05	5.9	< 0.05	0.57	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	< 0.05	< 0.05	0.95	< 0.05	7.9	< 0.05	0.93	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	< 0.05	< 0.05	0.51	< 0.05	2.4	< 0.05	0.52	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	< 0.05	< 0.05	0.69	< 0.05	5.7	< 0.05	0.85	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	< 0.05	0.4	< 0.05	2.6	< 0.05	0.46	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	< 0.05	0.44	< 0.05	2.6	< 0.05	0.49	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	< 0.80	< 0.80	8.48	< 0.80	104	< 0.80	5.89	< 0.80	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	7	6.3	3.3	1.6	5.1	3.7	7	2.9	2.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	32	17	7.6	4	12	13	15	5.5	9.1
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	13	6.5	12	6.2	8.5	1.5	9.6	3.1	3.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	21	4.3	8.4	3.5	6.6	5.6	9.3	2.9	5.6
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	10	12	8.4	1.6	11	4	14	1.7	2.9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	61	25	21	5.5	18	13	27	4.1	9.2
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	2.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	11	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	< 8.0	27	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	< 8.0	62	< 8.0	< 8.0	37	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	100	< 10	< 10	37	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	6.1	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	< 2.0	< 2.0	25	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	< 10	11	14	< 10	78	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	< 10	65	32	< 10	86	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	75	46	< 10	190	< 10	< 10	< 10	< 10

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1737455	1737456	1737457	1737458	1737459	1737460	1737461	1737462	1737463
Sample Reference					WS53	WS44	WS44	WS43	WS43	WS42	WS42	WS41	WS41
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.8	0.2	0.5	0.15	0.5	0.15	0.5	0.15	0.5
Date Sampled					13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Safer Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	14	12	12	12	21	9.3	22	8.8	20
Total mass of sample received	kg	0.001	NONE	N/A	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A									
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001									
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001									
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	7.2	10.6	4.9	11.1	5.9	11	7.1	10.9	8.3
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.038	0.183	0.058	0.23	0.015	0.305	< 0.005	0.31	0.256
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	160	150	300	100	37	120	23	190	92
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.08	0.075	0.15	0.051	0.019	0.059	0.011	0.095	0.046
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	80.2	74.5	152	51.2	18.6	58.7	11.4	94.7	46.1
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	0.3	0.8	0.1	0.5	0.3	0.5	0.1	0.6	0.1
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	0.52	< 0.05	0.64	< 0.05	1.1	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	0.41	< 0.05	0.14	< 0.05	0.48	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	< 0.05	0.45	< 0.05	0.23	< 0.05	0.62	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	< 0.05	3	< 0.05	20	< 0.05	6.5	< 0.05	26	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	0.53	< 0.05	2.8	< 0.05	1.6	< 0.05	4.4	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	< 0.05	8.6	< 0.05	25	< 0.05	20	< 0.05	44	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	< 0.05	7.7	< 0.05	20	< 0.05	17	< 0.05	35	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	< 0.05	5.2	< 0.05	13	< 0.05	12	< 0.05	23	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	< 0.05	3.7	< 0.05	8.4	< 0.05	8.3	< 0.05	15	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	< 0.05	4.7	< 0.05	12	< 0.05	12	< 0.05	20	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	< 0.05	2.7	< 0.05	5.5	< 0.05	6.5	< 0.05	10	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	< 0.05	4.2	< 0.05	9.6	< 0.05	10	< 0.05	17	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	1.9	< 0.05	4	< 0.05	4.5	< 0.05	7.3	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	1.1	< 0.05	1.2	< 0.05	1.6	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	1.9	< 0.05	4.3	< 0.05	4.7	< 0.05	7.5	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	< 0.80	44.1	< 0.80	126	< 0.80	104	< 0.80	214	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	2.5	6.1	7.4	6.5	2.5	8	1.6	9.2	1.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	9	12	25	12	8.2	13	4	20	4.2
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	2.3	4.6	6.1	16	8.4	15	4.3	14	3.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	4.4	6.1	6.5	8.5	5	6.4	3.9	75	3
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	0.4	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	2.7	6.4	8.6	13	1.9	15	1.2	18	1.6
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	7.1	12	19	14	3.6	21	2.5	22	8.9
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	< 2.0	14	< 2.0	12	< 2.0	13	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	< 10	30	< 10	95	< 10	68	< 10	110	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	< 10	59	< 10	120	< 10	130	< 10	120	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	88	< 10	230	< 10	210	< 10	240	< 10

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1737464	1737465	1737466	1737467	1737468	1737469	1737470	1737471	1737472
Sample Reference					WS27	WS27	WS27	WS26	WS26	WS20	WS20	WS13	WS13
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.5	1.4	2.5	0.4	0.8	0.5	1.2	0.4	0.8
Date Sampled					13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Asphalt Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	16	15	18	14	21	12	20	10	15
Total mass of sample received	kg	0.001	NONE	N/A	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A									
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001									
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001									
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	9	5.1	5.4	9.5	4.8	9.4	5	10.6	5.7
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	N/A	2.24	0.052	0.059	0.46	0.065	0.437	0.031	0.265	0.022
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	3700	260	220	3200	290	1100	84	230	45
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	1.8	0.13	0.11	1.6	0.14	0.54	0.042	0.11	0.022
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	1850	131	112	1600	143	543	42.1	114	22.3
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	1.4	1.2	0.2	0.4	0.3	0.5	0.1	0.5	< 0.1
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	1.3	< 0.05	< 0.05	< 0.05	< 0.05	0.29	< 0.05	2.2	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	0.22	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.55	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	2.1	< 0.05	< 0.05	< 0.05	< 0.05	0.58	< 0.05	2.6	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	1.7	< 0.05	< 0.05	< 0.05	< 0.05	0.51	< 0.05	2.1	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	1.1	< 0.05	< 0.05	< 0.05	< 0.05	0.48	< 0.05	1.3	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	0.95	< 0.05	< 0.05	< 0.05	< 0.05	0.46	< 0.05	0.95	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	1.2	< 0.05	< 0.05	< 0.05	< 0.05	0.64	< 0.05	0.99	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	0.62	< 0.05	< 0.05	< 0.05	< 0.05	0.36	< 0.05	0.62	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	0.94	< 0.05	< 0.05	< 0.05	< 0.05	0.52	< 0.05	1	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	0.56	< 0.05	< 0.05	< 0.05	< 0.05	0.37	< 0.05	0.46	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	0.58	< 0.05	< 0.05	< 0.05	< 0.05	0.44	< 0.05	0.53	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	11.2	< 0.80	< 0.80	< 0.80	< 0.80	4.65	< 0.80	13.4	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	28	5.1	20	21	17	9.5	13	8.9	9.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	30	9.3	61	42	58	21	45	20	63
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	110	4	7.6	42	9.8	15	8.6	25	4
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	390	6.7	9.5	14	12	29	14	69	7.6
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	0.3	< 0.3	0.5	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	24	1.5	13	46	11	17	12	21	21
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	240	14	34	40	36	34	24	94	47
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	6.8	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	13	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	59	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	< 10	< 10	< 10	< 10	79	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	14	< 10	< 10	< 10	< 10	< 10	< 10	15	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	22	< 10	< 10	< 10	< 10	< 10	< 10	47	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	36	< 10	< 10	< 10	< 10	< 10	< 10	62	< 10

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1737473	1737474	1737475	1737476	1737477	1737478	1737479	1737480	1737481
Sample Reference					WS14	WS14	WS14	WS28	WS28	WS21	WS21	WS15	WS15
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.4	1	1.5	0.15	0.5	0.15	0.5	0.15	0.5
Date Sampled					13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	8.8	17	12	15	14	17	14	13	14
Total mass of sample received	kg	0.001	NONE	N/A	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A									
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001									
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001									
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	10.9	7.3	6	11	6.5	10.7	5.3	10.6	5.9
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.371	0.056	0.028	0.18	0.021	0.181	0.022	0.097	0.025
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	610	280	130	93	79	220	65	130	66
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.3	0.14	0.064	0.047	0.04	0.11	0.032	0.063	0.033
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	303	142	63.6	46.5	39.5	108	32.4	62.8	33.2
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	0.3	1.5	0.3	1.1	0.2	1.6	0.3	1.6	< 0.1
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	0.52	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	0.41	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	5	0.29	< 0.05	1.2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	1.1	< 0.05	< 0.05	0.23	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	6	0.49	< 0.05	1.2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	4.9	0.48	< 0.05	1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	3	0.3	< 0.05	0.57	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	2.1	0.26	< 0.05	0.51	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	2.5	< 0.05	< 0.05	0.48	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	0.93	< 0.05	< 0.05	0.34	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	2	< 0.05	< 0.05	0.44	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	0.92	< 0.05	< 0.05	0.23	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	1.1	< 0.05	< 0.05	0.27	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	30.5	1.82	< 0.80	6.54	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	8.1	7.3	3.6	7.4	5.3	9.5	8.6	7.2	6.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	18	27	12	17	17	16	34	13	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	9.5	7.9	2.3	16	2.7	33	4.9	12	5.1
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	28	21	4.5	13	5.4	18	7.4	8.7	6.4
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	0.3	< 0.3	< 0.3	< 0.3	0.4	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	13	8.9	3	14	4.6	26	11	11	7.3
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	34	28	11	38	12	36	25	17	17
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	8.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	18	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	70	100	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	97	110	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	18	14	< 10	14	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	48	110	< 10	35	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	67	120	< 10	48	< 10	< 10	< 10	< 10	< 10

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1740742	1740743	1740744	1740745	1740746	1740747	1740748	1740749	1740750
Sample Reference					WS37	WS38	WS38	WS39	WS39	WS40	WS32	WS31	WS16
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.5	0.2	0.5	0.2	0.5	0.5	0.5	0.5	0.3
Date Sampled					14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Asphalt Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	16	8.7	20	17	21	18	13	23	16
Total mass of sample received	kg	0.001	NONE	N/A	1.7	1.7	1.5	1.5	1.7	1.7	1.7	1.7	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A									
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001									
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001									
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	9.3	10.8	8.4	10.2	5.9	6.0	9.2	7.5	6.7
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.0
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.011	0.179	0.01	0.048	0.021	0.03	0.031	0.014	0.022
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	44	420	15	160	98	150	17	86	100
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.022	0.21	0.0075	0.078	0.049	0.077	0.0086	0.043	0.052
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	21.8	208	7.5	77.7	49.2	76.9	8.6	43	52.2
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	< 0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.1
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	0.22	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	0.32	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	< 0.05	8.3	< 0.05	3.2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	0.98	< 0.05	0.48	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	< 0.05	8.9	< 0.05	3	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	< 0.05	6.7	< 0.05	2.3	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	< 0.05	3.7	< 0.05	1.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	< 0.05	2.4	< 0.05	0.99	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	< 0.05	2.6	< 0.05	0.88	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	< 0.05	2	< 0.05	0.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	< 0.05	2.5	< 0.05	0.64	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	0.98	< 0.05	0.29	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	1.2	< 0.05	0.37	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	< 0.80	40.8	< 0.80	13.8	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	4.7	5.2	1.4	2.8	3.6	5	1.7	2.7	5.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	9.5	11	3.7	8	7.4	16	6.3	7.2	14
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	6	10	4.6	7	6.4	6.5	3.9	4.7	14
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	6.3	5.6	4.1	4.3	5.2	8	7.7	5.9	24
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	1.4	9.6	< 1.0	3.8	1.3	2.8	1.4	1.2	8
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	7.3	17	2.5	6.4	4	8.6	3.4	3.8	44
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	8.8	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	8.1
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	23	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	32
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	34	< 10	< 10	< 10	< 10	< 10	< 10	< 10	40
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	5.4	< 2.0	2.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	< 10	37	< 10	10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	< 10	48	< 10	15	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	90	< 10	27	< 10	< 10	< 10	< 10	< 10

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1740751	1740752	1740753	1740754	1740755	1740756	1740757	1740758	1740759
Sample Reference					WS16	WS22	WS22	WS34	WS34	WS33	WS12	WS12	WS11
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.8	0.3	1.3	0.5	1.5	0.5	0.4	0.8	0.5
Date Sampled					14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	19	17	19	16	16	17	15	18	16
Total mass of sample received	kg	0.001	NONE	N/A	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A									
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001									
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001									
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	5.3	6.2	5.5	10.5	8.6	9.6	11.3	7.8	8.7
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.016	0.03	0.015	0.043	0.011	0.013	0.255	0.014	0.324
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	35	190	57	150	16	36	87	58	150
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.018	0.095	0.029	0.073	0.0078	0.018	0.044	0.029	0.076
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	17.6	94.8	28.5	73	7.8	17.9	43.5	29.1	75.9
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	0.2	0.9	< 0.1	0.1	< 0.1	< 0.1	0.7	< 0.1	< 0.1
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	6.9	4.8	4.2	8.2	5.7	2.8	12	1.8	4.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	28	13	24	25	12	5.1	25	6.5	8.6
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	4.1	1.6	4.7	15	15	12	27	10	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	6.9	6.2	5.8	10	5.6	4.5	15	3	6.8
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	7	3.6	6.2	6.6	3.2	1.2	20	1.9	1.8
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	19	9.9	15	38	15	12	39	11	12
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	4.5	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	< 8.0	8.4	< 8.0	< 8.0	< 8.0	< 8.0	9.1	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	< 8.0	17	< 8.0	< 8.0	< 8.0	< 8.0	37	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	27	< 10	< 10	< 10	< 10	51	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Screening Table
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Lab Sample Number					1740760	1740761	1740762	1740763	1740764	1740765	1740766	1740724	1740725
Sample Reference					WS64a	WS64a	WS29	WS29	WS24	WS24	WS25	WS69b	WS61a
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.2	0.5	0.3	1.3	0.15	0.5	0.5	0.5	0.5
Date Sampled					14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021	15/01/2021	15/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Asphalt Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	10	15	20	19	12	15	18	9.7	17
Total mass of sample received	kg	0.001	NONE	N/A	1.7	1.7	1.7	1.7	1.2	1.7	1.7	0.7	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A								-	-
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001								-	-
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001								-	-
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	11.2	5.5	6.7	4.8	10.4	4.9	7.0	8.5	8.7
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.469	0.066	0.029	0.029	0.373	0.029	0.036	0.068	0.103
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	260	140	110	220	650	96	340	130	340
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.13	0.071	0.054	0.11	0.33	0.048	0.17	0.067	0.17
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	131	71.2	53.9	110	326	48.1	172	67	171
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	1.1	< 0.1	1.8	< 0.1	0.1	< 0.1	0.1	0.5	0.6
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	1	0.93
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.31	1
Fluoranthene	mg/kg	0.05	MCERTS	23000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	3.9	1.4
Pyrene	mg/kg	0.05	MCERTS	54000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	3.4	1.2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	2.6	0.89
Chrysene	mg/kg	0.05	MCERTS	350	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	1.7	0.63
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	2.2	0.92
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	1	0.44
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	1.8	0.76
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	1.1	0.47
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.29	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.99	0.45
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	20.4	9.01
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	6.3	6.3	3.2	4.6	8.7	16	8.1	11	5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.4
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	23	11	6.6	19	23	19	22	24	13
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	14	13	11	11	20	20	14	26	22
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	6.4	8.1	10	10	21	9.7	22	120	46
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.5
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	15	2.2	1.6	6	12	5.1	7.3	11	6.2
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	21	16	12	20	36	20	33	82	130
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	9	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	24	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	10	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	210	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	31	27
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	240	< 10	< 10	< 10	< 10	< 10	< 10	42	32
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	11	< 10	< 10	< 10	< 10	< 10	< 10	14	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	250	< 10	< 10	< 10	< 10	< 10	< 10	34	36
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	260	< 10	< 10	< 10	< 10	< 10	< 10	48	45

Screening Table
201250 Longcross Film Studios

Lab Sample Number					1740726	1740727	1740728	1740729	1740730	1740731	1740732	1740733	1740734
Sample Reference					WS61b	WS01	WS01	WS18b	WS17a	WS07	WS07	WS03	WS03
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.2	0.2	0.5	0.5	0.3	0.3	0.8	0.05	0.5
Date Sampled					15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Soil to Agreement Criteria									
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	15	11	9.4	21	12	17	11	15	9.3
Total mass of sample received	kg	0.001	NONE	N/A	1.5	1.5	1.7	1.5	2	1.7	1.7	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A	Chrysotile	Chrysotile	-	-	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Detected	Detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001	< 0.001	< 0.001	-	-	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001	< 0.001	< 0.001	-	-	-	-	-	-	-
General Inorganics													
pH - Automated	pH Units	N/A	MCERTS	N/A	9.4	10.6	7.3	7.7	4.9	8.0	5.0	10.3	5.0
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.171	0.403	0.222	0.092	0.027	0.116	0.05	0.233	0.224
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	580	790	19	94	44	740	130	510	83
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.29	0.39	0.0097	0.047	0.022	0.37	0.064	0.25	0.042
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	290	393	9.7	46.8	21.9	371	64.4	255	41.7
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	1.9	0.8	0.2	3.2	0.2	0.5	0.2	0.9	0.2
Total Phenols													
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs													
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	0.3	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	0.22	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	2.7	1.2	< 0.05	0.46	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	0.54	0.27	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	3.9	2.9	< 0.05	0.46	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	3.2	2.4	< 0.05	0.44	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	2.2	1.8	< 0.05	0.37	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	1.6	1.4	< 0.05	0.27	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	1.9	1.7	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	0.98	0.76	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	1.7	1.3	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	0.95	0.69	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	0.88	0.68	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH													
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	21	15.1	< 0.80	2	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids													
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	6.2	9.6	2.8	8.5	5.6	18	2.5	8.7	5.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	17	16	6.8	21	16	19	7.8	15	8.4
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	33	61	16	88	22	49	16	36	15
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	100	52	5.8	23	6.1	53	5.3	32	4.7
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	12	22	1.9	96	4.3	31	2.7	17	2.7
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	160	68	11	100	22	110	18	82	16
Monoaromatics & Oxygenates													
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons													
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	8.2	3.6	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	24	27	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	77	150	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	27	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	110	180	< 10	< 10	< 10	< 10	< 10	32	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	15	14	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	59	38	< 10	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	74	52	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Screening Table
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Lab Sample Number					1740735	1740736	1740737	1740738	1740739	1740740	1740741
Sample Reference					WS02	WS10	WS10	WS05	WS05	WS06	WS06
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					0.1	0.25	0.5	0.2	0.5	0.2	0.5
Date Sampled					15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Sales Agreement Criteria							
Stone Content	%	0.1	NONE	N/A	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	N/A	13	10	8.7	17	14	16	11
Total mass of sample received	kg	0.001	NONE	N/A	1.2	1.7	1.7	1.2	2	1.7	1.5
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	N/A	-	-	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	N/A	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	<0.001	-	-	-	-	-	-	-
General Inorganics											
pH - Automated	pH Units	N/A	MCERTS	N/A	11.6	7.2	12	9.4	7.3	10.4	6.3
Total Cyanide	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	N/A	0.304	0.115	0.301	0.158	0.111	0.123	0.06
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	N/A	55	120	42	160	99	570	430
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	N/A	0.027	0.06	0.021	0.08	0.049	0.29	0.22
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	N/A	27.3	60.4	21.1	79.8	49.4	287	216
Total Organic Carbon (TOC)	%	0.1	MCERTS	N/A	0.8	0.2	0.3	0.5	0.2	0.2	0.1
Total Phenols											
Total Phenols (monohydric)	mg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs											
Naphthalene	mg/kg	0.05	MCERTS	460	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	97000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	68000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	22000	0.62	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	540000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	23000	0.85	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	54000	0.68	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	170	0.46	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	350	0.41	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	44	0.45	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1200	0.2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	76	0.34	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	510	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH											
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	N/A	4.01	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids											
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	640	6	15	7.7	8.1	3.7	6	1.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	410	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	49	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8600	15	14	17	14	9.2	14	10
Copper (aqua regia extractable)	mg/kg	1	MCERTS	68000	30	18	31	43	14	20	5.7
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2330	18	9.2	23	16	6.1	10	7.7
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1100	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	980	16	2.2	12	22	1.5	10	2
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	12000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	730000	38	16	42	49	13	18	6.2
Monoaromatics & Oxygenates											
Benzene	µg/kg	1	MCERTS	98	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	110000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	13000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	14000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	15000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	N/A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons											
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	5900	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	17000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	4800	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	23000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	82000	5.6	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	1700000	47	< 8.0	< 8.0	< 8.0	< 8.0	9.6	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	1700000	660	< 8.0	< 8.0	< 8.0	< 8.0	33	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	720	< 10	< 10	< 10	< 10	43	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	46000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	110000	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	8100	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	28000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	37000	2.4	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	28000	11	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28000	74	< 10	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	N/A	87	< 10	< 10	< 10	< 10	< 10	< 10

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Analytical Report Number : 21-50506

Replaces Analytical Report Number: 21-50506, issue no. 1
Additional analysis undertaken.

Project / Site name:	Longcross	**Samples received on:**	12/01/2021
Your job number:	201250	**Samples instructed on/ Analysis started on:**	12/01/2021
Your order number:	201250-CB	**Analysis completed by:**	28/01/2021
Report Issue Number:	2	**Report issued on:**	28/01/2021
Samples Analysed:	35 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734620	1734621	1734622	1734623	1734624
Sample Reference				WS04	WS09	WS09	WS19	WS19
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.20	1.50	0.20	1.20
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	6.9	9.5	15	14
Total mass of sample received	kg	0.001	NONE	2	1.7	2	2	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	5	8.6	7.6	8	4.5
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.024	0.024	0.055	0.066	0.047
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	100	63	36	170	130
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.05	0.032	0.018	0.084	0.065
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	49.8	31.5	17.9	83.7	65.3
Total Organic Carbon (TOC)	%	0.1	MCERTS	< 0.1	0.3	< 0.1	1.4	< 0.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	1.2	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	1.2	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.63	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.54	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.73	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.41	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.6	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.28	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.35	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	6	< 0.80

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734620	1734621	1734622	1734623	1734624
Sample Reference				WS04	WS09	WS09	WS19	WS19
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.20	1.50	0.20	1.20
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	22	8.1	8	3.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	14	35	6.7	18	14
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	16	11	30	14
Lead (aqua regia extractable)	mg/kg	1	MCERTS	5.7	12	4.7	84	5.6
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	3.4	12	1.6	13	3.7
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	15	30	13	63	18
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	13	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	37	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	52	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	19	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	24	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734625	1734626	1734627	1734628	1734629
Sample Reference				WS35	WS35	WS45	WS45	WS47
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.40	0.90	0.10
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	6.5	13	10	12	4.2
Total mass of sample received	kg	0.001	NONE	1.7	2	1.7	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.8	5.2	5.5	6.5	11.3
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.014	0.02	0.016	0.023	0.378
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	100	120	47	92	250
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.051	0.06	0.023	0.046	0.12
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	51.2	60	23.3	46.1	124
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.2	0.1	< 0.1	0.4	0.6

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.76
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	5
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	4.1
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	45
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	12
Fluoranthene	mg/kg	0.05	MCERTS	0.45	< 0.05	< 0.05	< 0.05	68
Pyrene	mg/kg	0.05	MCERTS	0.53	< 0.05	< 0.05	< 0.05	45
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.32	< 0.05	< 0.05	< 0.05	30
Chrysene	mg/kg	0.05	MCERTS	0.21	< 0.05	< 0.05	< 0.05	21
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.37	< 0.05	< 0.05	< 0.05	32
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.16	< 0.05	< 0.05	< 0.05	8.8
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.39	< 0.05	< 0.05	< 0.05	21
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	9.9
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	3.3
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	11

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	2.43	< 0.80	< 0.80	< 0.80	316

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734625	1734626	1734627	1734628	1734629
Sample Reference				WS35	WS35	WS45	WS45	WS47
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.40	0.90	0.10
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.2	3.7	5.8	6.9	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	23	29	28	19
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	12	9.5	11	34
Lead (aqua regia extractable)	mg/kg	1	MCERTS	17	6.2	4.8	6.4	9.2
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	5.3	4.2	6.9	11	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	22	15	23	29	50
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	2
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	40
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	180
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	14	< 8.0	< 8.0	< 8.0	180
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	14	< 10	< 10	< 10	400
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	3.9
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	25
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	240
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	28	< 10	< 10	< 10	420
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	34	< 10	< 10	< 10	690

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734630	1734631	1734632	1734633	1734634
Sample Reference				WS47	WS54	WS54	WS58	WS58
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.20	1.50	0.30	0.75
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	10	11	7.1	9.9
Total mass of sample received	kg	0.001	NONE	2	2	2	2	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	5.6	9.5	6.3	8	7.1
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.014	0.192	0.011	0.018	0.022
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	42	700	35	59	32
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.021	0.35	0.018	0.03	0.016
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	20.9	350	17.5	29.6	16
Total Organic Carbon (TOC)	%	0.1	MCERTS	1	1.1	0.4	1.4	1.7
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	1.5	< 0.05	< 0.05	0.52
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.43	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	2.8	< 0.05	< 0.05	1.2
Pyrene	mg/kg	0.05	MCERTS	< 0.05	2.9	< 0.05	< 0.05	1.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	1.6	< 0.05	< 0.05	0.74
Chrysene	mg/kg	0.05	MCERTS	< 0.05	1.3	< 0.05	< 0.05	0.5
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	1.7	< 0.05	< 0.05	0.8
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.52	< 0.05	< 0.05	0.33
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.91	< 0.05	< 0.05	0.66
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.65	< 0.05	< 0.05	0.28
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.91	< 0.05	< 0.05	0.4
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	15.2	< 0.80	< 0.80	6.74

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734630	1734631	1734632	1734633	1734634
Sample Reference				WS47	WS54	WS54	WS58	WS58
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.20	1.50	0.30	0.75
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.1	16	3	2.8	7.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.6	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	32	12	12	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	13	53	13	16	20
Lead (aqua regia extractable)	mg/kg	1	MCERTS	4.9	240	4.2	7.8	19
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	5.8	25	4.3	11	12
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	25	160	17	19	58
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	1.5	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	3.1	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	17	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	160	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	180	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	2.3	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	4.8	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	25	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	180	< 10	< 10	16
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	210	< 10	< 10	22

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734635	1734636	1734637	1734638	1734639
Sample Reference				WS58	WS69	WS70	WS70	WS71
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.50	0.30	0.40	2.60	0.20
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	26	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	2	4	12	11
Total mass of sample received	kg	0.001	NONE	2	2	2	2	1.5
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	Chrysotile
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	1.966
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	1.97
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	5.5	10.2	11.6	8.7	10.8
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.014	0.141	0.19	0.011	0.108
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	49	540	38	35	140
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.025	0.27	0.019	0.017	0.072
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	24.7	273	19.2	17.3	72.4
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.1	2.7	1.5	1	1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	1.2
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	1.5
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	3.5
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.21	0.5	0.3	33
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	6.9
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.57	1.6	0.35	33
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.74	1.6	0.32	26
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.2	0.9	< 0.05	14
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.3	1	< 0.05	11
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.93	1.4	< 0.05	11
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.26	0.77	< 0.05	5.7
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.71	1.3	< 0.05	11
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.58	0.73	< 0.05	3.9
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.99
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.87	1	< 0.05	4.5
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	5.37	10.8	0.97	166

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734635	1734636	1734637	1734638	1734639
Sample Reference				WS58	WS69	WS70	WS70	WS71
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.50	0.30	0.40	2.60	0.20
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.1	5.5	8.6	22	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	18	21	15	25
Copper (aqua regia extractable)	mg/kg	1	MCERTS	14	42	46	18	63
Lead (aqua regia extractable)	mg/kg	1	MCERTS	4.5	5.9	34	6.2	40
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	4.5	20	20	5.4	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	23	47	81	22	120
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	1.6	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	22	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	9.6	130	< 8.0	8.5
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	200	670	< 8.0	47
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	210	820	< 10	56
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	1.5	< 1.0	< 1.0	17
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	2.7	< 2.0	< 2.0	31
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	37	< 10	130
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	210	330	< 10	83
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	230	370	< 10	260

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734640	1734641	1734642	1734643	1734644
Sample Reference				WS71	WS73a	WS73a	WS74	WS74
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.40	0.50	1.20	0.30	1.20
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	19	12	20	11	7.9
Total mass of sample received	kg	0.001	NONE	2	1.5	1.7	1.7	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	Chrysotile & Amosite & Crocidolite	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	0.103	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	0.103	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.4	8.9	7.2	7.5	6
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.01	0.14	0.024	0.112	0.053
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	33	260	150	540	320
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.017	0.13	0.077	0.27	0.16
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	16.7	131	77.2	272	162
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.9	0.8	0.5	1.1	0.3
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	1	< 0.05	0.42	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.23	< 0.05	0.17	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	1.8	< 0.05	1.4	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	1.6	< 0.05	1.5	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	1.1	< 0.05	0.85	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.84	< 0.05	0.56	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	1.2	< 0.05	0.74	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.42	< 0.05	0.44	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.86	< 0.05	0.74	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.56	< 0.05	0.36	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.59	< 0.05	0.44	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	10.2	< 0.80	7.61	< 0.80

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734640	1734641	1734642	1734643	1734644
Sample Reference				WS71	WS73a	WS73a	WS74	WS74
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.40	0.50	1.20	0.30	1.20
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.6	16	2.2	7.4	12
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	7	30	9.1	17	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	15	28	13	25	13
Lead (aqua regia extractable)	mg/kg	1	MCERTS	3.7	67	5.2	17	7.8
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	3.3	18	3.2	20	8.5
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	14	96	17	44	22
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	12	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	24	< 10	19	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	36	< 10	28	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734645	1734646	1734647	1734648	1734649
Sample Reference				WS75	WS75	WS75	WS76a	WS77
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.35	2.50	0.20	0.40
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	19	7.5	8.6	6.8	12
Total mass of sample received	kg	0.001	NONE	1.7	1	1.7	1.7	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	6.8	10	5.9	9.6	7.6
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.048	0.24	0.029	0.048	0.011
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	120	1600	160	140	63
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.062	0.82	0.078	0.07	0.032
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	62.2	818	78.2	69.8	31.7
Total Organic Carbon (TOC)	%	0.1	MCERTS	2	0.4	< 0.1	1.3	0.4
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.26	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.33	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.18	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.18	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	0.95	< 0.80

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734645	1734646	1734647	1734648	1734649
Sample Reference				WS75	WS75	WS75	WS76a	WS77
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.35	2.50	0.20	0.40
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.1	9.9	7	8.9	1.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	13	23	30	17	4.2
Copper (aqua regia extractable)	mg/kg	1	MCERTS	17	24	18	34	13
Lead (aqua regia extractable)	mg/kg	1	MCERTS	18	21	6	22	2.7
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	3.8	20	8	16	1.3
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	24	34	25	84	10
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	16
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	16
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734650	1734651	1734652	1734653	1734654
Sample Reference				WS77	WS78	WS78	WS79	WS79
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.50	0.50	1.50	0.50	1.50
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	8.2	18	18	16	12
Total mass of sample received	kg	0.001	NONE	1.7	1.7	2	2	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	4.5	4.3	4.8	6.5	6.1
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.031	0.094	0.024	0.037	0.012
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	120	460	110	200	19
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.059	0.23	0.056	0.098	0.0094
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	58.7	231	56	98	9.4
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.9	2.6	0.2	1.5	0.2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.32	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.51	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.19	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.18	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	1.2	< 0.80

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1734650	1734651	1734652	1734653	1734654
Sample Reference				WS77	WS78	WS78	WS79	WS79
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.50	0.50	1.50	0.50	1.50
Date Sampled				11/01/2021	11/01/2021	11/01/2021	11/01/2021	11/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	13	7.8	8.2	4.2	9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	29	20	48	12	27
Copper (aqua regia extractable)	mg/kg	1	MCERTS	15	12	12	11	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	6.9	16	7.7	11	11
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	8.8	4.9	14	3.7	7
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	33	23	37	22	29
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50506
Project / Site name: Longcross
Your Order No: 201250-CB

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
1734639	WS71	0.20	137	Hard/Cement Type Material	**Chrysotile**	1.966	**1.97**
1734641	WS73a	0.50	134	Hard/Cement Type Material & Loose Fibrous Debris & Loose Fibres	**Chrysotile & Amosite & Crocidolite**	0.103	**0.103**

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Analytical Report Number : 21-50506
Project / Site name: Longcross

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1734620	WS04	None Supplied	0.3	Brown clay.
1734621	WS09	None Supplied	0.2	Brown clay and loam with gravel.
1734622	WS09	None Supplied	1.5	Brown sandy clay.
1734623	WS19	None Supplied	0.2	Brown clay and loam with gravel.
1734624	WS19	None Supplied	1.2	Brown clay and sand.
1734625	WS35	None Supplied	0.1	Brown clay and sand with gravel.
1734626	WS35	None Supplied	0.5	Brown clay and sand with gravel.
1734627	WS45	None Supplied	0.4	Brown clay and sand with gravel.
1734628	WS45	None Supplied	0.9	Brown clay and sand with gravel.
1734629	WS47	None Supplied	0.1	Brown loam and sand with gravel.
1734630	WS47	None Supplied	0.5	Brown sand.
1734631	WS54	None Supplied	0.2	Brown gravelly loam.
1734632	WS54	None Supplied	1.5	Brown sand.
1734633	WS58	None Supplied	0.3	Brown loam.
1734634	WS58	None Supplied	0.75	Brown loam and clay with gravel and fibres.
1734635	WS58	None Supplied	1.5	Brown sand.
1734636	WS69	None Supplied	0.3	Brown sand with gravel.
1734637	WS70	None Supplied	0.4	Brown gravelly loam with stones.
1734638	WS70	None Supplied	2.6	Brown sand.
1734639	WS71	None Supplied	0.2	Brown loam and clay with gravel.
1734640	WS71	None Supplied	1.4	Brown sand.
1734641	WS73a	None Supplied	0.5	Brown loam and sand with gravel and glass.
1734642	WS73a	None Supplied	1.2	Brown clay and sand.
1734643	WS74	None Supplied	0.3	Brown loam and sand with gravel.
1734644	WS74	None Supplied	1.2	Brown loam and sand with gravel.
1734645	WS75	None Supplied	0.5	Brown sand with gravel.
1734646	WS75	None Supplied	0.35	Brown loam and sand with gravel.
1734647	WS75	None Supplied	2.5	Brown sand with gravel.
1734648	WS76a	None Supplied	0.2	Brown gravelly loam.
1734649	WS77	None Supplied	0.4	Brown sand.
1734650	WS77	None Supplied	1.5	Brown loam and sand with gravel.
1734651	WS78	None Supplied	0.5	Brown loam and sand with gravel.
1734652	WS78	None Supplied	1.5	Brown clay and sand.
1734653	WS79	None Supplied	0.5	Brown clay and loam with gravel.
1734654	WS79	None Supplied	1.5	Brown clay and loam with gravel.

Analytical Report Number : 21-50506
Project / Site name: Longcross

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

Analytical Report Number : 21-50506
Project / Site name: Longcross

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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Analytical Report Number : 21-50812

Replaces Analytical Report Number: 21-50812, issue no. 1
Additional analysis undertaken.

Project / Site name:	Longcross	**Samples received on:**	13/01/2021
Your job number:	201250	**Samples instructed on/ Analysis started on:**	13/01/2021
Your order number:	201250-CB	**Analysis completed by:**	29/01/2021
Report Issue Number:	2	**Report issued on:**	29/01/2021
Samples Analysed:	34 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736161	1736162	1736163	1736164	1736165
Sample Reference				WS72	WS72	WS72	WS66	WS66
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.20	1.60	0.20	0.60
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	32	13	13	15
Total mass of sample received	kg	0.001	NONE	2	1.5	2	2	1.5
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	< 0.001	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	< 0.001	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8	6.1	5.9	9.8	8.9
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.096	0.149	0.027	0.114	0.05
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	550	650	82	170	40
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.27	0.32	0.041	0.085	0.02
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	274	325	41	84.9	19.8
Total Organic Carbon (TOC)	%	0.1	MCERTS	1.1	4.1	0.2	0.9	0.2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.33	< 0.05	< 0.05	0.62	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.61	< 0.05	< 0.05	6.7	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.52	< 0.05	< 0.05	5.8	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	6.5	1.2	0.67	45	0.2
Anthracene	mg/kg	0.05	MCERTS	2.1	0.27	< 0.05	16	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	12	1.9	1.3	69	0.36
Pyrene	mg/kg	0.05	MCERTS	10	1.6	1.1	63	0.33
Benzo(a)anthracene	mg/kg	0.05	MCERTS	7.5	0.97	0.89	42	0.2
Chrysene	mg/kg	0.05	MCERTS	4.6	0.86	0.49	27	0.15
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	6.6	1.2	0.8	39	0.2
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	2.7	0.22	0.23	13	0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	5.9	0.91	0.65	36	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	3.2	0.54	0.39	18	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.8	< 0.05	< 0.05	4.2	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	3.9	0.6	0.47	20	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	67	10.3	6.97	406	1.49

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736161	1736162	1736163	1736164	1736165
Sample Reference				WS72	WS72	WS72	WS66	WS66
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.20	1.60	0.20	0.60
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.6	14	6.2	6.3	5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	0.4	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22	13	27	17	14
Copper (aqua regia extractable)	mg/kg	1	MCERTS	17	12	4.5	10	3.4
Lead (aqua regia extractable)	mg/kg	1	MCERTS	100	40	6.6	100	5.9
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	20	12	6.4	8.2	3.8
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	49	78	17	74	12
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	1.8	< 1.0	< 1.0	2.9	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	12	< 2.0	< 2.0	26	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	24	< 8.0	< 8.0	40	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	70	< 8.0	< 8.0	99	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	110	< 10	< 10	170	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	2.5	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	14	< 2.0	< 2.0	79	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	79	21	18	470	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	120	44	25	540	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	210	65	44	1100	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736166	1736167	1736168	1736169	1736170
Sample Reference				WS67	WS67	WS65	WS65	WS56
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.50	1.60	0.30
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	7.9	13	9.5	16	15
Total mass of sample received	kg	0.001	NONE	1.5	2	1.5	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.7	6.2	8.7	8.5	9.3
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.09	0.089	0.367	0.025	0.322
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	200	98	820	69	1100
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.098	0.049	0.41	0.035	0.54
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	97.6	49.2	408	34.7	540
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.4	0.1	0.5	0.2	1.3
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	1.1	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.37	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	5	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	3.7	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	31	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	10	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	48	< 0.05	0.31	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	40	< 0.05	0.26	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	27	< 0.05	0.33	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	15	< 0.05	0.19	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	21	< 0.05	0.41	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	8.7	< 0.05	0.12	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	20	< 0.05	0.29	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	9.6	< 0.05	0.24	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	2.5	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	11	< 0.05	0.36	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	254	< 0.80	2.51	< 0.80	< 0.80

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736166	1736167	1736168	1736169	1736170
Sample Reference				WS67	WS67	WS65	WS65	WS56
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.50	1.60	0.30
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.3	6.4	15	9.6	10
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	0.4
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	14	15	19	26	19
Copper (aqua regia extractable)	mg/kg	1	MCERTS	5.6	6.9	51	4.3	39
Lead (aqua regia extractable)	mg/kg	1	MCERTS	6.5	7.4	50	6.5	32
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	6.9	3.7	31	6.3	40
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	18	12	58	16	55
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	2	3.1	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	15	16	< 2.0	< 2.0	2.6
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	27	29	< 8.0	< 8.0	18
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	62	54	< 8.0	< 8.0	72
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	110	100	< 10	< 10	93
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	55	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	260	< 10	< 10	< 10	13
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	200	< 10	< 10	< 10	87
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	510	< 10	< 10	< 10	99

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736171	1736172	1736173	1736174	1736175
Sample Reference				WS56	WS46	WS46	WS36	WS36
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.20	0.10	0.60	0.20	0.75
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	14	13	6.4	11
Total mass of sample received	kg	0.001	NONE	2	1.5	1.7	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.4	10	6	10.6	6.5
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.032	0.431	0.02	0.262	0.044
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	150	1300	42	630	62
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.073	0.67	0.021	0.32	0.031
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	73.2	671	21.1	317	31.2
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.1	0.9	0.2	1.5	0.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.29	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.33	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.31	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.24	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.36	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.17	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.22	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.22	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.33	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	2.47	< 0.80	< 0.80	< 0.80

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736171	1736172	1736173	1736174	1736175
Sample Reference				WS56	WS46	WS46	WS36	WS36
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.20	0.10	0.60	0.20	0.75
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.3	10	5.5	12	4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	23	19	17	12
Copper (aqua regia extractable)	mg/kg	1	MCERTS	8.3	29	6.9	22	5.4
Lead (aqua regia extractable)	mg/kg	1	MCERTS	5	76	5.7	25	6.7
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	3.4	19	3.3	18	2.5
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	9.5	63	8.4	29	5.9
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	3	< 2.0	2.2	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	21	< 8.0	17	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	100	< 8.0	160	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	130	< 10	180	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	7.3	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	21	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	170	< 10	230	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	200	< 10	240	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736176	1736177	1736178	1736179	1736180
Sample Reference				WS30	WS30	WS08	WS08	WS68
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.80	0.10	0.50	0.15
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	6.3	9.9	12	14	5.9
Total mass of sample received	kg	0.001	NONE	2	2	2	1.2	1.5
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	9.1	8.3	9	6.3	10.1
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.026	0.03	0.084	0.031	0.109
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	89	50	290	86	160
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.045	0.025	0.15	0.043	0.079
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	44.7	24.9	146	42.9	78.8
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.7	0.2	0.3	0.1	1.2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.29
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.98
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	9.8
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	7.2
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.55	65
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	19
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.79	78
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.64	60
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.47	37
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.28	25
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.39	34
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.13	6.1
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.29	24
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	11
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	3.1
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	12
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	3.54	394

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736176	1736177	1736178	1736179	1736180
Sample Reference				WS30	WS30	WS08	WS08	WS68
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.80	0.10	0.50	0.15
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	5.3	5.4	3.5	6.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	27	12	17	13	14
Copper (aqua regia extractable)	mg/kg	1	MCERTS	13	4.8	8.3	4.7	6.8
Lead (aqua regia extractable)	mg/kg	1	MCERTS	9.8	6	13	5	86
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	17	2.7	7.5	3.1	6.9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	25	8.7	49	9.7	37
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	5.4
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	30
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	61	< 8.0	110
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	61	< 10	140
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	110
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	630
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	620
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	1400

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736181	1736182	1736183	1736184	1736185
Sample Reference				WS68	WS64	WS63	WS63	WS62
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.20	0.30	0.60	0.20
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	18	8	11	14
Total mass of sample received	kg	0.001	NONE	2	2	2	2	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	Chrysotile	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	4.024	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	4.02	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.8	10.1	11.8	6	11
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.085	0.369	0.472	0.086	0.306
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	110	610	100	130	310
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.057	0.3	0.052	0.063	0.16
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	56.5	305	51.7	63.1	157
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.2	1.2	3.5	0.7	1.6
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.6	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.19	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	2.7	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	1.8	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	15	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	2.8	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	13	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	11	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	6.7	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	5	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	6	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	2.1	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	5.1	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	2.5	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.63	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	2.9	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	78.3	< 0.80	< 0.80	< 0.80

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736181	1736182	1736183	1736184	1736185
Sample Reference				WS68	WS64	WS63	WS63	WS62
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.20	0.30	0.60	0.20
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.7	8.8	7	6.4	6.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	10	31	14	12	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	4.1	27	6.7	4.6	6.3
Lead (aqua regia extractable)	mg/kg	1	MCERTS	16	11	3.8	7	6.1
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	2	11	13	2.3	7.7
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	9.1	83	16	6.9	15
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	19	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	140	45	< 8.0	47
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	160	45	< 10	47
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	9	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	31	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	98	< 10	< 10	12
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	240	< 10	< 10	84
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	370	< 10	< 10	97

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736186	1736187	1736188	1736189	1736190
Sample Reference				WS62	WS49	WS49	WS48	WS48
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.15	0.50	0.20	0.50
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	9.8	2.4	14	2.5	14
Total mass of sample received	kg	0.001	NONE	2	2	2	1.7	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	6	11.6	5.1	12.2	6.4
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.072	0.367	0.04	0.625	0.024
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	110	120	180	14	79
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.054	0.06	0.088	0.0068	0.04
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	53.8	60.2	87.9	6.8	39.5
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.3	0.6	0.2	0.4	0.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736186	1736187	1736188	1736189	1736190
Sample Reference				WS62	WS49	WS49	WS48	WS48
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.15	0.50	0.20	0.50
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.7	6.9	15	5.1	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	11	16	66	20	62
Copper (aqua regia extractable)	mg/kg	1	MCERTS	4.7	7.8	3.6	16	11
Lead (aqua regia extractable)	mg/kg	1	MCERTS	9.1	23	8.2	2.7	7
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	2.2	11	22	16	20
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	7.2	26	51	20	54
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736191	1736192	1736193	1736194
Sample Reference				WS55	WS55	WS57	WS57
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.50	0.15	0.50
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	6.6	18	4.9	14
Total mass of sample received	kg	0.001	NONE	1.7	2	2	2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-
General Inorganics							
pH - Automated	pH Units	N/A	MCERTS	11.9	5	11.7	5.2
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.651	0.039	0.464	0.018
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	36	170	15	73
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.018	0.084	0.0077	0.036
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	17.8	83.9	7.7	36.3
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.9	0.2	0.4	0.2
Total Phenols							
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs							
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH							
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1736191	1736192	1736193	1736194
Sample Reference				WS55	WS55	WS57	WS57
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.50	0.15	0.50
Date Sampled				12/01/2021	12/01/2021	12/01/2021	12/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Heavy Metals / Metalloids							
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	10	17	5.7	9.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	33	65	20	54
Copper (aqua regia extractable)	mg/kg	1	MCERTS	8.4	4.5	8.9	3.3
Lead (aqua regia extractable)	mg/kg	1	MCERTS	5.1	7.3	5.9	6.8
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	20	16	17	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	60	46	34	42
Monoaromatics & Oxygenates							
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons							
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	43	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	50	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-50812
Project / Site name: Longcross
Your Order No: 201250-CB

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
1736161	WS72	0.50	160	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**
1736182	WS64	0.20	130	Hard/Cement Type Material	**Chrysotile**	4.024	**4.02**

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

Analytical Report Number : 21-50812
Project / Site name: Longcross

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1736161	WS72	None Supplied	0.5	Brown clay and loam with gravel.
1736162	WS72	None Supplied	1.2	Brown loam and clay with vegetation.
1736163	WS72	None Supplied	1.6	Brown clay and sand.
1736164	WS66	None Supplied	0.2	Brown loam and clay with gravel.
1736165	WS66	None Supplied	0.6	Brown clay and sand with vegetation.
1736166	WS67	None Supplied	0.1	Brown clay and sand with gravel.
1736167	WS67	None Supplied	0.5	Brown clay and sand.
1736168	WS65	None Supplied	0.5	Brown loam and sand with gravel.
1736169	WS65	None Supplied	1.6	Brown clay and sand.
1736170	WS56	None Supplied	0.3	Brown loam and sand with gravel and rubble.
1736171	WS56	None Supplied	1.2	Brown clay and sand.
1736172	WS46	None Supplied	0.1	Brown loam and clay with gravel.
1736173	WS46	None Supplied	0.6	Brown clay and sand.
1736174	WS36	None Supplied	0.2	Brown loam and sand with gravel and rubble.
1736175	WS36	None Supplied	0.75	Brown clay and sand.
1736176	WS30	None Supplied	0.1	Brown loam and sand with gravel.
1736177	WS30	None Supplied	0.8	Brown clay and sand.
1736178	WS08	None Supplied	0.1	Brown clay and sand with clinker and gravel
1736179	WS08	None Supplied	0.5	Brown clay and sand.
1736180	WS68	None Supplied	0.15	Brown clay and sand with clinker and gravel
1736181	WS68	None Supplied	0.5	Brown clay and sand.
1736182	WS64	None Supplied	0.2	Brown loam with gravel and vegetation.
1736183	WS63	None Supplied	0.3	Brown sand with gravel.
1736184	WS63	None Supplied	0.6	Brown clay and sand.
1736185	WS62	None Supplied	0.2	Brown clay and sand with gravel.
1736186	WS62	None Supplied	0.5	Brown sandy clay.
1736187	WS49	None Supplied	0.15	Brown sand with gravel.
1736188	WS49	None Supplied	0.5	Brown clay and loam.
1736189	WS48	None Supplied	0.2	Non Soil**
1736190	WS48	None Supplied	0.5	Brown clay and loam.
1736191	WS55	None Supplied	0.15	Brown clay and loam with gravel.
1736192	WS55	None Supplied	0.5	Brown clay and loam.
1736193	WS57	None Supplied	0.15	Grey gravelly sand.
1736194	WS57	None Supplied	0.5	Brown clay and loam.

**Non MCERTS Matrix

Analytical Report Number : 21-50812
Project / Site name: Longcross

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

Analytical Report Number : 21-50812
Project / Site name: Longcross

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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Analytical Report Number : 21-51063

Project / Site name:	Longcross	**Samples received on:**	14/01/2021
Your job number:	201250	**Samples instructed on/ Analysis started on:**	14/01/2021
Your order number:	201250-CB	**Analysis completed by:**	25/01/2021
Report Issue Number:	1	**Report issued on:**	25/01/2021
Samples Analysed:	39 soil samples		

Signed:

Zina Abdul Razzak
Senior Quality Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737443	1737444	1737445	1737446	1737447
Sample Reference				WS59	WS59	WS60	WS60a	WS61
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.50	0.15	0.50	0.40
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	19	5.5	14	11
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.5	2	2
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	12	7.9	11.3	8	10.9
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	1.02	0.026	0.324	0.039	0.377
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	50	120	130	230	340
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.025	0.062	0.067	0.12	0.17
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	25.2	62.1	67.3	115	169
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.2	< 0.1	0.6	1.1	0.6
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.2	9.1	19	7	6.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	24	60	30	32	17
Copper (aqua regia extractable)	mg/kg	1	MCERTS	8.3	2.7	5.7	13	6.5
Lead (aqua regia extractable)	mg/kg	1	MCERTS	3.6	7.5	12	21	4.3
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	19	20	17	10	12
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	55	43	41	61	25

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737443	1737444	1737445	1737446	1737447
Sample Reference				WS59	WS59	WS60	WS60a	WS61
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.50	0.15	0.50	0.40
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	2.2
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	11
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	27
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	62
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	100
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	11
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	65
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	75

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737448	1737449	1737450	1737451	1737452
Sample Reference				WS50	WS50	WS52	WS52	WS51
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.15	0.50	0.15
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	19	12	15	12
Total mass of sample received	kg	0.001	NONE	2	2	1.7	1.7	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	9.7	9.8	9.1	7.2	11.2
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.099	0.018	0.158	0.025	0.391
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	260	63	390	96	52
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.13	0.031	0.2	0.048	0.026
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	131	31.4	196	47.8	25.9
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.5	0.1	1.1	0.3	0.3
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	4.6	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.74	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	2.5	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.59	< 0.05	24	< 0.05	0.45
Anthracene	mg/kg	0.05	MCERTS	0.25	< 0.05	5.4	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	1.7	< 0.05	19	< 0.05	0.51
Pyrene	mg/kg	0.05	MCERTS	1.4	< 0.05	14	< 0.05	0.45
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.84	< 0.05	8.1	< 0.05	0.66
Chrysene	mg/kg	0.05	MCERTS	0.77	< 0.05	5.9	< 0.05	0.57
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.95	< 0.05	7.9	< 0.05	0.93
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.51	< 0.05	2.4	< 0.05	0.52
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.69	< 0.05	5.7	< 0.05	0.85
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.4	< 0.05	2.6	< 0.05	0.46
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.44	< 0.05	2.6	< 0.05	0.49
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	8.48	< 0.80	104	< 0.80	5.89
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.3	1.6	5.1	3.7	7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	7.6	4	12	13	15
Copper (aqua regia extractable)	mg/kg	1	MCERTS	12	6.2	8.5	1.5	9.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	8.4	3.5	6.6	5.6	9.3
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	8.4	1.6	11	4	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	21	5.5	18	13	27

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737448	1737449	1737450	1737451	1737452
Sample Reference				WS50	WS50	WS52	WS52	WS51
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.50	0.15	0.50	0.15
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	37	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	37	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	6.1	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	25	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	14	< 10	78	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	32	< 10	86	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	46	< 10	190	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737453	1737454	1737455	1737456	1737457
Sample Reference				WS51	WS53	WS53	WS44	WS44
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.30	0.80	0.20	0.50
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	22	19	14	12	12
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.7	1.7	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	5.1	8	7.2	10.6	4.9
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.029	0.04	0.038	0.183	0.058
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	120	160	160	150	300
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.058	0.08	0.08	0.075	0.15
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	58.2	79.7	80.2	74.5	152
Total Organic Carbon (TOC)	%	0.1	MCERTS	< 0.1	0.3	0.3	0.8	0.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	3	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.53	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	8.6	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	7.7	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	5.2	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	3.7	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	4.7	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	2.7	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	4.2	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	1.9	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	1.9	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	44.1	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	2.9	2.9	2.5	6.1	7.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	5.5	9.1	9	12	25
Copper (aqua regia extractable)	mg/kg	1	MCERTS	3.1	3.6	2.3	4.6	6.1
Lead (aqua regia extractable)	mg/kg	1	MCERTS	2.9	5.6	4.4	6.1	6.5
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	0.4	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	1.7	2.9	2.7	6.4	8.6
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	4.1	9.2	7.1	12	19

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737453	1737454	1737455	1737456	1737457
Sample Reference				WS51	WS53	WS53	WS44	WS44
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.30	0.80	0.20	0.50
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	30	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	59	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	88	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737458	1737459	1737460	1737461	1737462
Sample Reference				WS43	WS43	WS42	WS42	WS41
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.50	0.15	0.50	0.15
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	21	9.3	22	8.8
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.7	1.7	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	11.1	5.9	11	7.1	10.9
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.23	0.015	0.305	< 0.005	0.31
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	100	37	120	23	190
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.051	0.019	0.059	0.011	0.095
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	51.2	18.6	58.7	11.4	94.7
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.5	0.3	0.5	0.1	0.6
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.52	< 0.05	0.64	< 0.05	1.1
Acenaphthene	mg/kg	0.05	MCERTS	0.41	< 0.05	0.14	< 0.05	0.48
Fluorene	mg/kg	0.05	MCERTS	0.45	< 0.05	0.23	< 0.05	0.62
Phenanthrene	mg/kg	0.05	MCERTS	20	< 0.05	6.5	< 0.05	26
Anthracene	mg/kg	0.05	MCERTS	2.8	< 0.05	1.6	< 0.05	4.4
Fluoranthene	mg/kg	0.05	MCERTS	25	< 0.05	20	< 0.05	44
Pyrene	mg/kg	0.05	MCERTS	20	< 0.05	17	< 0.05	35
Benzo(a)anthracene	mg/kg	0.05	MCERTS	13	< 0.05	12	< 0.05	23
Chrysene	mg/kg	0.05	MCERTS	8.4	< 0.05	8.3	< 0.05	15
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	12	< 0.05	12	< 0.05	20
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	5.5	< 0.05	6.5	< 0.05	10
Benzo(a)pyrene	mg/kg	0.05	MCERTS	9.6	< 0.05	10	< 0.05	17
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	4	< 0.05	4.5	< 0.05	7.3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	1.1	< 0.05	1.2	< 0.05	1.6
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	4.3	< 0.05	4.7	< 0.05	7.5
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	126	< 0.80	104	< 0.80	214
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.5	2.5	8	1.6	9.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	12	8.2	13	4	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	8.4	15	4.3	14
Lead (aqua regia extractable)	mg/kg	1	MCERTS	8.5	5	6.4	3.9	75
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	13	1.9	15	1.2	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	14	3.6	21	2.5	22

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737458	1737459	1737460	1737461	1737462
Sample Reference				WS43	WS43	WS42	WS42	WS41
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.50	0.15	0.50	0.15
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	14	< 2.0	12	< 2.0	13
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	95	< 10	68	< 10	110
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	120	< 10	130	< 10	120
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	230	< 10	210	< 10	240

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737463	1737464	1737465	1737466	1737467
Sample Reference				WS41	WS27	WS27	WS27	WS26
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	1.40	2.50	0.40
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	20	16	15	18	14
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.7	1.7	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.3	9	5.1	5.4	9.5
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.256	2.24	0.052	0.059	0.46
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	92	3700	260	220	3200
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.046	1.8	0.13	0.11	1.6
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	46.1	1850	131	112	1600
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.1	1.4	1.2	0.2	0.4
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	1.3	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.22	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	2.1	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	1.7	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	1.1	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.95	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	1.2	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.62	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.94	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.56	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.58	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	11.2	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	1.6	28	5.1	20	21
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	4.2	30	9.3	61	42
Copper (aqua regia extractable)	mg/kg	1	MCERTS	3.6	110	4	7.6	42
Lead (aqua regia extractable)	mg/kg	1	MCERTS	3	390	6.7	9.5	14
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	0.3	< 0.3	0.5
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	1.6	24	1.5	13	46
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	7	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	8.9	240	14	34	40

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737463	1737464	1737465	1737466	1737467
Sample Reference				WS41	WS27	WS27	WS27	WS26
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	1.40	2.50	0.40
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	14	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	22	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	36	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737468	1737469	1737470	1737471	1737472
Sample Reference				WS26	WS20	WS20	WS13	WS13
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	0.50	1.20	0.40	0.80
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	21	12	20	10	15
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.7	1.7	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	4.8	9.4	5	10.6	5.7
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.065	0.437	0.031	0.265	0.022
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	290	1100	84	230	45
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.14	0.54	0.042	0.11	0.022
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	143	543	42.1	114	22.3
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.3	0.5	0.1	0.5	< 0.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.29	< 0.05	2.2	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.55	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.58	< 0.05	2.6	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.51	< 0.05	2.1	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.48	< 0.05	1.3	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.46	< 0.05	0.95	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.64	< 0.05	0.99	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.36	< 0.05	0.62	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.52	< 0.05	1	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.37	< 0.05	0.46	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.44	< 0.05	0.53	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	4.65	< 0.80	13.4	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	17	9.5	13	8.9	9.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	58	21	45	20	63
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.8	15	8.6	25	4
Lead (aqua regia extractable)	mg/kg	1	MCERTS	12	29	14	69	7.6
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	17	12	21	21
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	36	34	24	94	47

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737468	1737469	1737470	1737471	1737472
Sample Reference				WS26	WS20	WS20	WS13	WS13
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	0.50	1.20	0.40	0.80
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	6.8	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	13	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	59	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	79	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	15	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	47	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	62	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51063
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737473	1737474	1737475	1737476	1737477
Sample Reference				WS14	WS14	WS14	WS28	WS28
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	1.00	1.50	0.15	0.50
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	8.8	17	12	15	14
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.7	1.7	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	10.9	7.3	6	11	6.5
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.371	0.056	0.028	0.18	0.021
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	610	280	130	93	79
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.3	0.14	0.064	0.047	0.04
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	303	142	63.6	46.5	39.5
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.3	1.5	0.3	1.1	0.2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.52	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.41	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	5	0.29	< 0.05	1.2	< 0.05
Anthracene	mg/kg	0.05	MCERTS	1.1	< 0.05	< 0.05	0.23	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	6	0.49	< 0.05	1.2	< 0.05
Pyrene	mg/kg	0.05	MCERTS	4.9	0.48	< 0.05	1	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	3	0.3	< 0.05	0.57	< 0.05
Chrysene	mg/kg	0.05	MCERTS	2.1	0.26	< 0.05	0.51	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	2.5	< 0.05	< 0.05	0.48	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.93	< 0.05	< 0.05	0.34	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2	< 0.05	< 0.05	0.44	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.92	< 0.05	< 0.05	0.23	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.1	< 0.05	< 0.05	0.27	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	30.5	1.82	< 0.80	6.54	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.1	7.3	3.6	7.4	5.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	27	12	17	17
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.5	7.9	2.3	16	2.7
Lead (aqua regia extractable)	mg/kg	1	MCERTS	28	21	4.5	13	5.4
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	13	8.9	3	14	4.6
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	34	28	11	38	12

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Lab Sample Number				1737473	1737474	1737475	1737476	1737477
Sample Reference				WS14	WS14	WS14	WS28	WS28
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	1.00	1.50	0.15	0.50
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	8.1	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	18	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	70	100	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	97	110	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	18	14	< 10	14	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	48	110	< 10	35	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	67	120	< 10	48	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

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Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1737478	1737479	1737480	1737481
Sample Reference				WS21	WS21	WS15	WS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.50	0.15	0.50
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	14	13	14
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.7	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics							
pH - Automated	pH Units	N/A	MCERTS	10.7	5.3	10.6	5.9
Total Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1
Total Sulphate as SO4	%	0.005	MCERTS	0.181	0.022	0.097	0.025
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	220	65	130	66
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.11	0.032	0.063	0.033
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	108	32.4	62.8	33.2
Total Organic Carbon (TOC)	%	0.1	MCERTS	1.6	0.3	1.6	< 0.1
Total Phenols							
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs							
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH							
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids							
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.5	8.6	7.2	6.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16	34	13	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	33	4.9	12	5.1
Lead (aqua regia extractable)	mg/kg	1	MCERTS	18	7.4	8.7	6.4
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.4	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	26	11	11	7.3
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	36	25	17	17

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Lab Sample Number				1737478	1737479	1737480	1737481
Sample Reference				WS21	WS21	WS15	WS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	0.50	0.15	0.50
Date Sampled				13/01/2021	13/01/2021	13/01/2021	13/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Monoaromatics & Oxygenates							
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons							
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-51063
Project / Site name: Longcross

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1737443	WS59	None Supplied	0.15	Grey sandy gravel.**
1737444	WS59	None Supplied	0.5	Brown clay and sand with gravel.
1737445	WS60	None Supplied	0.15	Grey sand with gravel.
1737446	WS60a	None Supplied	0.5	Brown loam and clay with gravel and vegetation.
1737447	WS61	None Supplied	0.4	Grey clay and sand with gravel.
1737448	WS50	None Supplied	0.1	Grey clay and loam with gravel.
1737449	WS50	None Supplied	0.5	Grey clay and sand.
1737450	WS52	None Supplied	0.15	Brown sandy gravel.**
1737451	WS52	None Supplied	0.5	Brown clay and sand.
1737452	WS51	None Supplied	0.15	Brown sandy gravel.**
1737453	WS51	None Supplied	0.5	Grey clay and sand.
1737454	WS53	None Supplied	0.3	Brown clay and sand.
1737455	WS53	None Supplied	0.8	Brown clay and sand.
1737456	WS44	None Supplied	0.2	Brown sandy gravel.**
1737457	WS44	None Supplied	0.5	Brown clay and sand.
1737458	WS43	None Supplied	0.15	Grey gravel.**
1737459	WS43	None Supplied	0.5	Grey clay and sand.
1737460	WS42	None Supplied	0.15	Brown gravel.**
1737461	WS42	None Supplied	0.5	Grey clay and sand.
1737462	WS41	None Supplied	0.15	Brown loam and gravel.
1737463	WS41	None Supplied	0.5	Grey clay and sand.
1737464	WS27	None Supplied	0.5	Brown gravelly sand.
1737465	WS27	None Supplied	1.4	Brown loam and clay with gravel.
1737466	WS27	None Supplied	2.5	Brown clay and loam with gravel.
1737467	WS26	None Supplied	0.4	Brown clay and sand with gravel.
1737468	WS26	None Supplied	0.8	Brown clay and sand with gravel.
1737469	WS20	None Supplied	0.5	Brown gravelly sand.
1737470	WS20	None Supplied	1.2	Brown clay and sand.
1737471	WS13	None Supplied	0.4	Brown sandy gravel.**
1737472	WS13	None Supplied	0.8	Brown clay and sand.
1737473	WS14	None Supplied	0.4	Brown loam and sand with gravel.
1737474	WS14	None Supplied	1	Brown loam and clay with gravel.
1737475	WS14	None Supplied	1.5	Brown clay and sand.
1737476	WS28	None Supplied	0.15	Brown loam and clay with gravel.
1737477	WS28	None Supplied	0.5	Brown clay and sand.
1737478	WS21	None Supplied	0.15	Brown loam and gravel.
1737479	WS21	None Supplied	0.5	Brown clay and sand with chalk.
1737480	WS15	None Supplied	0.15	Grey clay and loam with gravel and chalk.
1737481	WS15	None Supplied	0.5	Light brown clay and sand with chalk.

** NON MCERTS MATRIX

Analytical Report Number : 21-51063
Project / Site name: Longcross

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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Analytical Report Number : 21-51747

Project / Site name:	Longcross	**Samples received on:**	15/01/2021
Your job number:	201250	**Samples instructed on/ Analysis started on:**	19/01/2021
Your order number:	201250-CB	**Analysis completed by:**	29/01/2021
Report Issue Number:	1	**Report issued on:**	29/01/2021
Samples Analysed:	25 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-51747
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740742	1740743	1740744	1740745	1740746
Sample Reference				WS37	WS38	WS38	WS39	WS39
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.20	0.50	0.20	0.50
Date Sampled				14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	8.7	20	17	21
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.5	1.5	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	9.3	10.8	8.4	10.2	5.9
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	0.011	0.179	0.01	0.048	0.021
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	44	420	15	160	98
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.022	0.21	0.0075	0.078	0.049
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	21.8	208	7.5	77.7	49.2
Total Organic Carbon (TOC)	%	0.1	MCERTS	< 0.1	0.3	< 0.1	< 0.1	< 0.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.22	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.32	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	8.3	< 0.05	3.2	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.98	< 0.05	0.48	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	8.9	< 0.05	3	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	6.7	< 0.05	2.3	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	3.7	< 0.05	1.1	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	2.4	< 0.05	0.99	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	2.6	< 0.05	0.88	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	2	< 0.05	0.6	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	2.5	< 0.05	0.64	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.98	< 0.05	0.29	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	1.2	< 0.05	0.37	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	40.8	< 0.80	13.8	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.7	5.2	1.4	2.8	3.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	9.5	11	3.7	8	7.4
Copper (aqua regia extractable)	mg/kg	1	MCERTS	6	10	4.6	7	6.4
Lead (aqua regia extractable)	mg/kg	1	MCERTS	6.3	5.6	4.1	4.3	5.2
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	1.4	9.6	< 1.0	3.8	1.3
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	7.3	17	2.5	6.4	4

Analytical Report Number: 21-51747
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740742	1740743	1740744	1740745	1740746
Sample Reference				WS37	WS38	WS38	WS39	WS39
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.20	0.50	0.20	0.50
Date Sampled				14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	8.8	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	23	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	34	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	5.4	< 2.0	2.1	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	37	< 10	10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	48	< 10	15	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	90	< 10	27	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51747
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740747	1740748	1740749	1740750	1740751
Sample Reference				WS40	WS32	WS31	WS16	WS16
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	0.50	0.30	0.80
Date Sampled				14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	18	13	23	16	19
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.7	2	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	6.0	9.2	7.5	6.7	5.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	0.03	0.031	0.014	0.022	0.016
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	150	17	86	100	35
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.077	0.0086	0.043	0.052	0.018
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	76.9	8.6	43	52.2	17.6
Total Organic Carbon (TOC)	%	0.1	MCERTS	< 0.1	< 0.1	< 0.1	1.1	0.2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5	1.7	2.7	5.3	6.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	16	6.3	7.2	14	28
Copper (aqua regia extractable)	mg/kg	1	MCERTS	6.5	3.9	4.7	14	4.1
Lead (aqua regia extractable)	mg/kg	1	MCERTS	8	7.7	5.9	24	6.9
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	2.8	1.4	1.2	8	7
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	8.6	3.4	3.8	44	19

Analytical Report Number: 21-51747
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740747	1740748	1740749	1740750	1740751
Sample Reference				WS40	WS32	WS31	WS16	WS16
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	0.50	0.30	0.80
Date Sampled				14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	8.1	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	32	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	40	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51747
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740752	1740753	1740754	1740755	1740756
Sample Reference				WS22	WS22	WS34	WS34	WS33
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.30	0.50	1.50	0.50
Date Sampled				14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	19	16	16	17
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.7	1.7	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	6.2	5.5	10.5	8.6	9.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	0.03	0.015	0.043	0.011	0.013
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	190	57	150	16	36
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.095	0.029	0.073	0.0078	0.018
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	94.8	28.5	73	7.8	17.9
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.9	< 0.1	0.1	< 0.1	< 0.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.8	4.2	8.2	5.7	2.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	13	24	25	12	5.1
Copper (aqua regia extractable)	mg/kg	1	MCERTS	1.6	4.7	15	15	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	6.2	5.8	10	5.6	4.5
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	3.6	6.2	6.6	3.2	1.2
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	9.9	15	38	15	12

Analytical Report Number: 21-51747
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740752	1740753	1740754	1740755	1740756
Sample Reference				WS22	WS22	WS34	WS34	WS33
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.30	0.50	1.50	0.50
Date Sampled				14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	8.4	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	17	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	27	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51747
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740757	1740758	1740759	1740760	1740761
Sample Reference				WS12	WS12	WS11	WS64a	WS64a
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.50	0.20	0.50
Date Sampled				14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	15	18	16	10	15
Total mass of sample received	kg	0.001	NONE	1.5	1.7	1.7	1.7	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	11.3	7.8	8.7	11.2	5.5
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	0.255	0.014	0.324	0.469	0.066
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	87	58	150	260	140
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.044	0.029	0.076	0.13	0.071
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	43.5	29.1	75.9	131	71.2
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.7	< 0.1	< 0.1	1.1	< 0.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	12	1.8	4.3	6.3	6.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	6.5	8.6	23	11
Copper (aqua regia extractable)	mg/kg	1	MCERTS	27	10	12	14	13
Lead (aqua regia extractable)	mg/kg	1	MCERTS	15	3	6.8	6.4	8.1
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	20	1.9	1.8	15	2.2
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	39	11	12	21	16

Analytical Report Number: 21-51747
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740757	1740758	1740759	1740760	1740761
Sample Reference				WS12	WS12	WS11	WS64a	WS64a
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.50	0.20	0.50
Date Sampled				14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	4.5	< 2.0	< 2.0	9	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	9.1	< 8.0	< 8.0	24	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	37	< 8.0	< 8.0	210	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	51	< 10	< 10	240	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	11	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	250	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	260	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51747
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740762	1740763	1740764	1740765	1740766
Sample Reference				WS29	WS29	WS24	WS24	WS25
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.30	0.15	0.50	0.50
Date Sampled				14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	20	19	12	15	18
Total mass of sample received	kg	0.001	NONE	1.7	1.7	1.2	1.7	1.7
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	6.7	4.8	10.4	4.9	7.0
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	0.029	0.029	0.373	0.029	0.036
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	110	220	650	96	340
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.054	0.11	0.33	0.048	0.17
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	53.9	110	326	48.1	172
Total Organic Carbon (TOC)	%	0.1	MCERTS	1.8	< 0.1	0.1	< 0.1	0.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.2	4.6	8.7	16	8.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	6.6	19	23	19	22
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	11	20	20	14
Lead (aqua regia extractable)	mg/kg	1	MCERTS	10	10	21	9.7	22
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	1.6	6	12	5.1	7.3
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	12	20	36	20	33

Analytical Report Number: 21-51747
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740762	1740763	1740764	1740765	1740766
Sample Reference				WS29	WS29	WS24	WS24	WS25
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.30	0.15	0.50	0.50
Date Sampled				14/01/2021	14/01/2021	14/01/2021	14/01/2021	14/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-51747
Project / Site name: Longcross

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1740742	WS37	None Supplied	0.5	Grey clay and sand with gravel.
1740743	WS38	None Supplied	0.2	Brown clay with gravel.
1740744	WS38	None Supplied	0.5	Light brown sand.
1740745	WS39	None Supplied	0.2	Light brown clay and sand.
1740746	WS39	None Supplied	0.5	Light brown clay and sand.
1740747	WS40	None Supplied	0.5	Light brown clay.
1740748	WS32	None Supplied	0.5	Light brown clay and sand.
1740749	WS31	None Supplied	0.5	Light brown clay and sand.
1740750	WS16	None Supplied	0.3	Brown clay and loam with gravel.
1740751	WS16	None Supplied	0.8	Brown clay and sand with gravel.
1740752	WS22	None Supplied	0.3	Brown clay and sand with gravel.
1740753	WS22	None Supplied	1.3	Light brown clay and sand with gravel.
1740754	WS34	None Supplied	0.5	Light brown clay and sand with gravel.
1740755	WS34	None Supplied	1.5	Light brown sandy clay.
1740756	WS33	None Supplied	0.5	Light brown sandy clay.
1740757	WS12	None Supplied	0.4	Brown sandy clay with gravel.
1740758	WS12	None Supplied	0.8	Brown sandy clay.
1740759	WS11	None Supplied	0.5	Brown sandy clay.
1740760	WS64a	None Supplied	0.2	Brown sandy gravel.
1740761	WS64a	None Supplied	0.5	Brown sandy clay.
1740762	WS29	None Supplied	0.3	Brown loam and clay with gravel and vegetation.
1740763	WS29	None Supplied	1.3	Brown sandy clay.
1740764	WS24	None Supplied	0.15	Brown sandy clay with gravel.
1740765	WS24	None Supplied	0.5	Brown sandy clay with gravel.
1740766	WS25	None Supplied	0.5	Brown sandy clay with gravel.

Analytical Report Number : 21-51747
Project / Site name: Longcross

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

Analytical Report Number : 21-51747
Project / Site name: Longcross

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

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Analytical Report Number : 21-51746

Project / Site name:	Longcross	**Samples received on:**	15/01/2021
Your job number:	201250	**Samples instructed on/ Analysis started on:**	19/01/2021
Your order number:	201250-CB	**Analysis completed by:**	29/01/2021
Report Issue Number:	1	**Report issued on:**	29/01/2021
Samples Analysed:	18 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-51746
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740724	1740725	1740726	1740727	1740728
Sample Reference				WS69b	WS61a	WS61b	WS01	WS01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	0.20	0.20	0.50
Date Sampled				15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	9.7	17	15	11	9.4
Total mass of sample received	kg	0.001	NONE	0.7	2	1.5	1.5	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	Chrysotile	Chrysotile	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Detected	Detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	< 0.001	< 0.001	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	< 0.001	< 0.001	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.5	8.7	9.4	10.6	7.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	0.068	0.103	0.171	0.403	0.222
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	130	340	580	790	19
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.067	0.17	0.29	0.39	0.0097
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	67	171	290	393	9.7
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.5	0.6	1.9	0.8	0.2
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.3	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.22	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	1	0.93	2.7	1.2	< 0.05
Anthracene	mg/kg	0.05	MCERTS	0.31	1	0.54	0.27	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	3.9	1.4	3.9	2.9	< 0.05
Pyrene	mg/kg	0.05	MCERTS	3.4	1.2	3.2	2.4	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.6	0.89	2.2	1.8	< 0.05
Chrysene	mg/kg	0.05	MCERTS	1.7	0.63	1.6	1.4	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	2.2	0.92	1.9	1.7	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1	0.44	0.98	0.76	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.8	0.76	1.7	1.3	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.1	0.47	0.95	0.69	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.29	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.99	0.45	0.88	0.68	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	20.4	9.01	21	15.1	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	5	6.2	9.6	2.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.4	0.4	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	24	13	17	16	6.8
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26	22	33	61	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	120	46	100	52	5.8
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.5	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	6.2	12	22	1.9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	82	130	160	68	11

Analytical Report Number: 21-51746
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740724	1740725	1740726	1740727	1740728
Sample Reference				WS69b	WS61a	WS61b	WS01	WS01
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.50	0.20	0.20	0.50
Date Sampled				15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	8.2	3.6	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	10	< 8.0	24	27	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	31	27	77	150	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	42	32	110	180	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	14	< 10	15	14	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	34	36	59	38	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	48	45	74	52	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51746
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740729	1740730	1740731	1740732	1740733
Sample Reference				WS18b	WS17a	WS07	WS07	WS03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.30	0.30	0.80	0.05
Date Sampled				15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	21	12	17	11	15
Total mass of sample received	kg	0.001	NONE	1.5	2	1.7	1.7	1.7
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.7	4.9	8.0	5.0	10.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	0.092	0.027	0.116	0.05	0.233
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	94	44	740	130	510
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.047	0.022	0.37	0.064	0.25
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	46.8	21.9	371	64.4	255
Total Organic Carbon (TOC)	%	0.1	MCERTS	3.2	0.2	0.5	0.2	0.9
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.46	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.46	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.44	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.37	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.27	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	2	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.5	5.6	18	2.5	8.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21	16	19	7.8	15
Copper (aqua regia extractable)	mg/kg	1	MCERTS	88	22	49	16	36
Lead (aqua regia extractable)	mg/kg	1	MCERTS	23	6.1	53	5.3	32
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	96	4.3	31	2.7	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	100	22	110	18	82

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Lab Sample Number				1740729	1740730	1740731	1740732	1740733
Sample Reference				WS18b	WS17a	WS07	WS07	WS03
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.30	0.30	0.80	0.05
Date Sampled				15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	27
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	32
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

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Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740734	1740735	1740736	1740737	1740738
Sample Reference				WS03	WS02	WS10	WS10	WS05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.10	0.25	0.50	0.20
Date Sampled				15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	9.3	13	10	8.7	17
Total mass of sample received	kg	0.001	NONE	1.7	1.2	1.7	1.7	1.2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	5.0	11.6	7.2	12	9.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	0.224	0.304	0.115	0.301	0.158
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	83	55	120	42	160
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.042	0.027	0.06	0.021	0.08
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	41.7	27.3	60.4	21.1	79.8
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.2	0.8	0.2	0.3	0.5
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.62	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.85	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.68	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.46	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.41	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.45	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.2	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.34	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	4.01	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.4	6	15	7.7	8.1
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8.4	15	14	17	14
Copper (aqua regia extractable)	mg/kg	1	MCERTS	15	30	18	31	43
Lead (aqua regia extractable)	mg/kg	1	MCERTS	4.7	18	9.2	23	16
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	2.7	16	2.2	12	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	16	38	16	42	49

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Lab Sample Number				1740734	1740735	1740736	1740737	1740738
Sample Reference				WS03	WS02	WS10	WS10	WS05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.10	0.25	0.50	0.20
Date Sampled				15/01/2021	15/01/2021	15/01/2021	15/01/2021	15/01/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	5.6	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	47	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	660	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	720	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	2.4	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	11	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	74	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	87	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51746
Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740739	1740740	1740741
Sample Reference				WS05	WS06	WS06
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.20	0.50
Date Sampled				15/01/2021	15/01/2021	15/01/2021
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	16	11
Total mass of sample received	kg	0.001	NONE	2	1.7	1.5

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.3	10.4	6.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Total Sulphate as SO4	%	0.005	MCERTS	0.111	0.123	0.06
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	99	570	430
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	g/l	0.00125	MCERTS	0.049	0.29	0.22
Water Soluble SO4 16hr extraction (2:1 Leachate Equivale	mg/l	1.25	MCERTS	49.4	287	216
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.2	0.2	0.1

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.7	6	1.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	9.2	14	10
Copper (aqua regia extractable)	mg/kg	1	MCERTS	14	20	5.7
Lead (aqua regia extractable)	mg/kg	1	MCERTS	6.1	10	7.7
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	1.5	10	2
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	13	18	6.2

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Project / Site name: Longcross
Your Order No: 201250-CB

Lab Sample Number				1740739	1740740	1740741
Sample Reference				WS05	WS06	WS06
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.20	0.50
Date Sampled				15/01/2021	15/01/2021	15/01/2021
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Monoaromatics & Oxygenates						
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons						
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	9.6	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	33	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	43	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-51746
Project / Site name: Longcross
Your Order No: 201250-CB

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
1740726	WS61b	0.20	115	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**
1740727	WS01	0.20	146	Loose Fibres	**Chrysotile**	< 0.001	**< 0.001**

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

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* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1740724	WS69b	None Supplied	0.5	Brown loam and clay with gravel.
1740725	WS61a	None Supplied	0.5	Brown loam and clay with gravel and vegetation.
1740726	WS61b	None Supplied	0.2	Brown loam and clay with gravel.
1740727	WS01	None Supplied	0.2	Brown loam and sand with gravel.
1740728	WS01	None Supplied	0.5	Light brown sand.
1740729	WS18b	None Supplied	0.5	Brown loam and sand with gravel.
1740730	WS17a	None Supplied	0.3	Brown sand.
1740731	WS07	None Supplied	0.3	Brown sand.
1740732	WS07	None Supplied	0.8	Light brown sand.
1740733	WS03	None Supplied	0.05	Brown sand.
1740734	WS03	None Supplied	0.5	Light brown sand.
1740735	WS02	None Supplied	0.1	Brown sand with gravel.
1740736	WS10	None Supplied	0.25	Brown sand.
1740737	WS10	None Supplied	0.5	Brown sand with gravel.
1740738	WS05	None Supplied	0.2	Brown sand with fibrous material.
1740739	WS05	None Supplied	0.5	Brown sand.
1740740	WS06	None Supplied	0.2	Brown sand.
1740741	WS06	None Supplied	0.5	Brown sand.

Analytical Report Number : 21-51746
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Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

Analytical Report Number : 21-51746
Project / Site name: Longcross

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

APPENDIX 5: MONITORING RESULTS

Site	Longcross Studios					BH Depth(mbgl)	11.96		
Date	15/01/2021					Water Lvl(mbgl)	7.31		
Hole ID	BH05					Weth/°C			
Tech	RS					Atm Press			
Gas (%)	Time (seconds)						Atm (%)	Flow Min (l/hr)	-6.35
	10	20	30	60	120	180			
O_2	19.90	19.90	19.90	19.90	19.90	19.90		Flow Max (l/hr)	
CO_2	0.00	0.00	0.00	0.00	0.00	0.00			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	1025
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	2.07		
Date	15/01/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS27					Weth/°C			
Tech	RS					Atm Press			
Gas (%)	Time (seconds)						Atm (%)	Flow Min (l/hr)	-1.59
	10	20	30	60	120	180			
O_2	19.90	19.90	19.90	19.90	19.90	19.90		Flow Max (l/hr)	
CO_2	0.00	0.00	0.00	0.00	0.00	0.00			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	1024
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	4.8		
Date	15/01/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS06 2020					Weth/°C			
Tech	RS					Atm Press			
Gas (%)	Time (seconds)						Atm (%)	Flow Min (l/hr)	3.07
	10	20	30	60	120	180			
O_2	16.10	16.10	16.10	16.10	16.10	16.10		Flow Max (l/hr)	
CO_2	4.80	4.80	4.80	4.80	4.80	4.80			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	1025
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	2.8		
Date	15/01/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS06 2021					Weth/°C			
Tech	RS					Atm Press			
Gas (%)	Time (seconds)						Atm (%)	Flow Min (l/hr)	-1.67
	10	20	30	60	120	180			
O_2	19.60	19.60	19.60	19.60	19.60	19.60		Flow Max (l/hr)	
CO_2	0.00	0.00	0.00	0.00	0.00	0.00			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	4.5		
Date	15/01/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS10					Weth/°C			
Tech	RS					Atm Press			
Gas (%)	Time (seconds)						Atm (%)	Flow Min (l/hr)	2.88
	10	20	30	60	120	180			
O_2	17.00	17.00	17.00	17.00	17.00	17.00		Flow Max (l/hr)	
CO_2	1.40	1.40	1.40	1.40	1.40	1.40			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	1025
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)			
Date	15/01/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS09					Weth/°C			
Tech	RS					Atm Press			
Gas (%)	Time (seconds)						Atm (%)	Flow Min (l/hr)	
	10	20	30	60	120	180			
O_2	18.20	18.20	18.20	18.20	18.20	18.20		Flow Max (l/hr)	
CO_2	1.90	1.90	1.90	1.90	1.90	1.90			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	1024
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	11.88		
Date	01/02/2021					Water Lvl(mbgl)	7.2		
Hole ID	BH05					Weth/°C	Cloudy / 4°C		
Tech	RS					Atm Press	998		
Gas (%)	Time (seconds)							Flow Min (l/hr)	-1.91
	10	20	30	60	120	180	Atm (%)		
O_2	18.90	18.10	18.00	18.20	18.10	18.10		Flow Max (l/hr)	1.95
CO_2	1.40	1.70	1.60	1.40	1.60	1.60			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	993
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	4.97		
Date	01/02/2021					Water Lvl(mbgl)	4.97		
Hole ID	WS09					Weth/°C	Cloudy / 4°C		
Tech	RS					Atm Press	998		
Gas (%)	Time (seconds)							Flow Min (l/hr)	2.93
	10	20	30	60	120	180	Atm (%)		
O_2	18.20	17.00	16.70	18.40	18.10	15.80		Flow Max (l/hr)	2.95
CO_2	3.40	4.30	4.40	4.50	4.80	5.40			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	994
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	4.84		
Date	01/02/2021					Water Lvl(mbgl)	4.84		
Hole ID	WS06 2020					Weth/°C	Cloudy / 4°C		
Tech	RS					Atm Press	998		
Gas (%)	Time (seconds)							Flow Min (l/hr)	2.66
	10	20	30	60	120	180	Atm (%)		
O_2	17.10	16.60	16.60	16.60	16.80	16.80		Flow Max (l/hr)	2.69
CO_2	4.70	4.80	4.80	4.90	5.30	5.30			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	993
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	2.15		
Date	01/02/2021					Water Lvl(mbgl)	2.15		
Hole ID	WS27					Weth/°C	Cloudy / 4°C		
Tech	RS					Atm Press	998		
Gas (%)	Time (seconds)							Flow Min (l/hr)	-2.07
	10	20	30	60	120	180	Atm (%)		
O_2	19.60	18.60	18.60	18.60	18.50	18.50		Flow Max (l/hr)	-2.1
CO_2	0.00	0.00	0.00	0.00	0.00	0.00			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	994
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	2.95		
Date	01/02/2021					Water Lvl(mbgl)	2.95		
Hole ID	WS06 2021					Weth/°C	Cloudy / 4°C		
Tech	RS					Atm Press	998		
Gas (%)	Time (seconds)							Flow Min (l/hr)	0.79
	10	20	30	60	120	180	Atm (%)		
O_2	19.70	19.10	18.90	18.80	18.80	18.70		Flow Max (l/hr)	0.85
CO_2	0.00	0.00	0.00	0.00	0.00	0.00			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	994
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	4.5		
Date	01/02/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS10					Weth/°C	Cloudy / 4°C		
Tech	RS					Atm Press	998		
Gas (%)	Time (seconds)							Flow Min (l/hr)	2.21
	10	20	30	60	120	180	Atm (%)		
O_2	18.30	17.70	17.60	17.10	17.00	16.80		Flow Max (l/hr)	2.23
CO_2	2.20	2.80	3.00	3.50	3.70	3.90			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	994
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	2.1		
Date	01/02/2021					Water Lvl(mbgl)	2.1		
Hole ID	WS05 NO BUNG					Weth/°C	Cloudy / 4°C		
Tech	RS					Atm Press	998		
Gas (%)	Time (seconds)							Flow Min (l/hr)	
	10	20	30	60	120	180	Atm (%)		
O_2								Flow Max (l/hr)	
CO_2									
CH_4								Hole Press	

H_2S								(mb)	
LEL								VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	11.9		
Date	08/02/2021					Water Lvl(mbgl)	7.21		
Hole ID	BH05					Weth/°C	Snow flurries / -1°C		
Tech	RS					Atm Press	1003		
Gas (%)	Time (seconds)							Flow Min (l/hr)	4.42
	10	20	30	60	120	180	Atm (%)		
O_2	18.00	17.00	15.80	15.70	15.60	15.60		Flow Max (l/hr)	4.56
CO_2	2.20	2.80	2.80	2.90	2.90	2.90			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	1000
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	4.5		
Date	08/02/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS10					Weth/°C	Snow flurries / -1°C		
Tech	RS					Atm Press	1003		
Gas (%)	Time (seconds)							Flow Min (l/hr)	2.1
	10	20	30	60	120	180	Atm (%)		
O_2	18.00	17.80	17.00	17.70	17.70	17.60		Flow Max (l/hr)	2.2
CO_2	2.80	3.00	3.20	3.70	3.70	3.70			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	1000
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	5		
Date	08/02/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS09					Weth/°C	Snow flurries / -1°C		
Tech	RS					Atm Press	1003		
Gas (%)	Time (seconds)							Flow Min (l/hr)	-3.9
	10	20	30	60	120	180	Atm (%)		
O_2	17.10	15.70	15.40	15.20	15.20	15.20		Flow Max (l/hr)	-3.93
CO_2	4.60	6.50	6.70	6.70	6.70	6.70			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	1000
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	2.95		
Date	08/02/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS06 2021					Weth/°C	Snow flurries / -1°C		
Tech	RS					Atm Press	1003		
Gas (%)	Time (seconds)							Flow Min (l/hr)	-2.26
	10	20	30	60	120	180	Atm (%)		
O_2	19.70	19.10	18.70	18.60	18.60	18.50		Flow Max (l/hr)	-2.29
CO_2	0.30	0.50	0.50	0.50	0.50	0.50			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	1001
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	2.16		
Date	08/02/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS27					Weth/°C	Snow flurries / -1°C		
Tech	RS					Atm Press	1003		
Gas (%)	Time (seconds)							Flow Min (l/hr)	-2.23
	10	20	30	60	120	180	Atm (%)		
O_2	19.60	19.60	18.50	18.60	18.50	18.50		Flow Max (l/hr)	-2.57
CO_2	0.00	0.00	0.00	0.00	0.00	0.00			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	998
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

Site	Longcross Studios					BH Depth(mbgl)	2.1		
Date	08/02/2021					Water Lvl(mbgl)	Dry		
Hole ID	WS05 NO BUNG					Weth/°C	Snow flurries / -1°C		
Tech	RS					Atm Press	1003		
Gas (%)	Time (seconds)							Flow Min (l/hr)	
	10	20	30	60	120	180	Atm (%)		
O_2								Flow Max (l/hr)	
CO_2									

Site	Longcross Studios					BH Depth(mbgl)	4.85		
Date	08/02/2021					Water Lvl(mbgl)	4.85		
Hole ID	WS06 2020					Weth/°C	Snow flurries / -1°C		
Tech	RS					Atm Press	1003		
Gas (%)	Time (seconds)							Flow Min (l/hr)	-2.55
	10	20	30	60	120	180	Atm (%)		
O_2	17.60	16.70	16.40	15.20	15.10	15.00		Flow Max (l/hr)	2.57
CO_2	5.00	4.90	6.10	5.20	5.20	5..1			
CH_4	0.00	0.00	0.00	0.00	0.00	0.00		Hole Press (mb)	998
H_2S	0.00	0.00	0.00	0.00	0.00	0.00			
LEL	0.00	0.00	0.00	0.00	0.00	0.00		VOC	Na

APPENDIX 6: EXTENT OF SURVEY AND LIMITATIONS

EXTENT OF SURVEY AND LIMITATIONS

This report is for your sole use, and consequently no responsibility whatsoever is undertaken or accepted to any third party for the whole or any part of its contents. Paragon accept no responsibility or liability for the consequences of this document being used for any purpose or project other than for which it was commissioned or a third party with whom an agreement has not been executed. Should any third party which to use or rely upon the contents of the report, written approval must be sought from Paragon, a charge may be levied against such approval.

The report has been designed to address potential source, pathway and receptor pollutant linkages associated with the proposed development, by means of intrusive investigation. The content and findings of the report are based on data obtained by employing site assessment methods and techniques, considered appropriate to the site as far as can be interpreted from desk-based materials and a visual walkover of the site. Such techniques and methods are subject to limitations and constraints set out in the report. The findings and opinions are relevant at the time of writing, and should not be relied upon at a substantially later date as site conditions can changes. For example, seasonal groundwater levels, natural degradation of contaminants etc.

No liability can be accepted for the conditions that have not been revealed by the exploratory hole locations, or those which occur between each location. Whilst every effort will be made to interpolate the conditions between exploratory locations, such information is only indicative and liability cannot be accepted for its accuracy. By their nature, exploratory holes provide a relatively small and localised snapshot of the ground conditions relative to the size of the site.

Specific comment is made regarding the site's status under Part 2A of the Environmental Protection Act (EPA) 1990, which provides a statutory definition of Contaminated Land and as revised under The Contaminated Land (England) (Amendment) Regulations 2012. Unless specifically stated as relating to this definition, references to 'contamination' and 'contaminants' relate in general terms to the presence of potentially hazardous substances in, on or under the site.

The opinions given within this report have been dictated by the finite data on which they are based and are relevant only to the purpose for which the report was commissioned. If additional information or data becomes available which may affect the opinions expressed in this report, Paragon reserves the right to review such information and, if warranted, to modify the opinions accordingly. Paragon reserves the right to charge additional fees for; un-anticipated second opinion reviewing of previous reports.

Paragon has prepared this report with reasonable skill, care and diligence. The recommendations contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted industry practices at this time. The work undertaken to provide the basis of this report comprised a study of available documented information from a variety of sources. We cannot provide guarantees or warranties for the accuracy of third-party data, which is reviewed in good faith and assumed to be representative and accurate.

It should be noted that any risks identified in this report are perceived risks based on the information reviewed. No liability can be accepted for the effects of any future changes to such guidelines and legislation. In the event that guidance / legislation changes it may be necessary for Paragon to update or modify reports. The risk assessment is completed in line with the relevant land use agreed for the site and the time of completing the works. Changes to site conditions or land use may require a reassessment.

DEFINITIONS

For the avoidance of doubt, Paragon Building Consultancy Limited (Paragon) has prepared the following alphabetical list of definitions and reservations to aid the client in understanding the content of our advice and or written reports(s):

Accuracy	Level of agreement between true value and observed value.
ACM's	Asbestos Containing Materials
Conceptual Site Model	Textual and or schematic hypothesis of the nature and sources of contamination, potential migration pathways (including description of the ground and groundwater) and potential receptors, developed on the base of the information from the preliminary investigation and refined during subsequent phases of investigation and which is an essential part of the risk assessment process. **Note 1:** The conceptual exposure model is initially derived from the information obtained by the preliminary investigation. This conceptual model is used to focus subsequent investigations, where these are considered to be necessary, in order to meet the objectives of the investigations and the risk assessment. The results of the field investigation can provide additional data that can be used to further refine the conceptual model.
Contamination	Presence of a substance which is in, on or under land, and which has the potential to cause significant harm or to cause significant pollution of controlled water. **Note 1:** There is no assumption in this definition that harm results from the presence of the contamination. **Note 2:** Naturally enhanced concentrations of harmful substances can fall within this definition of contamination. **Note 3:** Contamination may relate to soils, groundwater or ground gas.
Controlled Water	Inland freshwater (any lake, pond or watercourse above the freshwater limit), water contained in underground strata and any coastal water between the limit of highest tide or the freshwater line to the three-mile limit of territorial waters. **Note 1:** See Section 104 of The Water Resources Act 1991.
Enquiries	Any enquiries undertaken by Paragon of local authorities and statutory undertakers are made verbally in respect of environmental issues. Local searches are not undertaken and no responsibility is accepted for any inaccurate information provided. It is further assumed unless otherwise stated that all necessary licences, permits etc. either run with the property or are transferable to a new occupier as appropriate.
Harm	Adverse effect on the health of living organisms, or other interference with ecological systems of which they form part, and, in the case humans, including property.
Hazard	Inherently dangerous quality of a substance, procedure or event.
Pathway	Mechanism or route by which a contaminant comes into contact with, or otherwise affects, a receptor.
Precision	Level of agreement within a series of measurements of a parameter.
Receptor	Persons, living organisms, ecological systems, controlled water, atmosphere, structures and utilities that could be adversely affected by the contaminant(s).

Risk	Probability of the occurrence, magnitude and consequences of an unwanted adverse effect on a receptor.
Risk Assessment	Process of establishing, to the extent possible, the existence, nature and significance of risk.
Sampling	Methods and techniques used to obtain a representative sample of the material under investigation.
Soil	Upper layer of the earth's crust composed of mineral parts, organic substance, water, air and living matter. **Note 1:** In general accordance with BS 10175:2001 the term soil has the meaning ascribed to it through general use in civil engineering and includes topsoil and subsoil; deposits such as clays, silt, sand, gravel, cobbles, boulders and organic deposits such as peat; and material of natural or human origin (e.g. fills and deposited wastes). The term embraces all components of soil, including mineral matter, organic matter, soil gas and moisture, and living organisms.
Source	Location from which contamination is, or was, derived. **Note 1:** This could be the location of the highest soil or groundwater concentration of the contaminant(s).
Uncertainty	Parameter, associated with the result of a measurement that characterises the dispersion of the values that could reasonably be attributed to the measurement.

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