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Ref: 19-535-LR27
Date: 21st December 2023

Andrew Finnon
Equans Regeneration Ltd
12, Merchant House,
Merchant Ct,
Hebburn
NE31 2EX

BY Email

Dear Andrew,

Garden Validation Assessment – Victoria Road, Hebburn Plots 101, 103-106 and 123-126

Introduction

ERGO understands that the gardens have been completed within Plots 101, 103-106 and 123-126 at the Victoria Road, Hebburn site. In line with the previously completed and approved ERGO Remediation Strategy (19-535-r02/RevB), plots were inspected to ensure a depth of 1000mm clean topsoil and subsoil is present within garden areas. Sirius are understood to have previously placed a geotextile marker layer at the finished remediated level. The garden validation has been undertaken as per the specification detailed in the ERGO Remediation Strategy report. It is noted that in some areas of the site, naturally occurring clean soils were present at shallow depth and the placement of a geotextile was not required. It is also noted that where natural clay is encountered within the top 1000mmbgl., the cover layer can be placed directly on to this material.

ERGO have been instructed by EQUANS to attend the site and inspect the depth of the clean cover layer within garden plots 101, 103-106 and 123-126.

For the avoidance of doubt ERGO can confirm that our schedule of works will include the following key attributes:

- Attendance on site by suitably qualified ERGO Engineers to inspect the thickness of the clean cover layer within the required plots;
- The sampling and chemical laboratory testing of subsoil & topsoil to confirm chemical suitability at the required frequency;
- Production of Letter Report detailing the findings of the inspection of the clean cover layer within the residential development gardens.

Validation Works

ERGO attended site on the 20th December 2023 to inspect and validate the presence of 1000mm topsoil and subsoil within the clean cover layer within garden plots 101, 103-106 and 123-126 as indicated by an EQUANS representative.

ERGO completed the works in accordance with the approved ERGO Remediation Strategy inspecting all plots and can confirm that at least 850mm of suitable subsoil comprising a brown slightly sandy slightly gravelly CLAY and 150mm of suitable topsoil comprising a grey sandy slightly gravelly clayey TOPSOIL is present in each of the plots.

Photographs indicating the depths of subsoil and topsoil are enclosed for reference. Further photographs are available on request.

Chemical Suitability

The suitability of the materials for reuse in proposed landscaped/ garden areas has been confirmed previously within ERGO reports 19-535-LR2 (August 2020) and 19-535/MT (November 2019) and have been summarised below for ease of reference. By comparing the results of the chemical analysis against the agreed site-specific remediation targets and those published within LQM / CIEH S4UL (S4UL3747). Sample descriptions are described above, copies of the chemical testing results are enclosed. The results of this comparison have been summarised within Table 1.1.

Table 1.1 Summary of Toxicity Assessment for a Residential End Use

DETERMINANT	UNIT	GAC	N	MC	LOC. OF EX	PATHWAY	ASSESSMENT
Asbestos Identification	-	Present	15S 6T	NAD	N/A	4	No Further Action
Arsenic	mg/kg	37	15S 6T	7.0	N/A	1	No Further Action
Cadmium	mg/kg	11	15S 6T	<0.2	N/A	1	No Further Action
Chromium (VI)	mg/kg	6.1	15S 6T	<1	N/A	1	No Further Action
Lead	mg/kg	200	15S 6T	35	N/A	1	No Further Action
Mercury	mg/kg	11	15S 6T	<0.5	N/A	2	No Further Action
Nickel	mg/kg	180	15S 6T	39	N/A	1	No Further Action
Selenium	mg/kg	250	15S 6T	1.7	N/A	1	No Further Action
Copper	mg/kg	2400	15S 6T	25	N/A	1	No Further Action
Zinc	mg/kg	3700	15S 6T	65	N/A	1	No Further Action
Naphthalene	mg/kg	2.3	15S 6T	<0.02	N/A	2	No Further Action
Acenaphthylene	mg/kg	170	15S 6T	<0.02	N/A	3	No Further Action
Acenaphthene	mg/kg	210	15S 6T	<0.02	N/A	1	No Further Action
Fluorene	mg/kg	170	15S 6T	<0.02	N/A	1	No Further Action
Phenanthrene	mg/kg	95	15S 6T	0.11	N/A	3	No Further Action
Anthracene	mg/kg	2400	15S 6T	<0.02	N/A	3	No Further Action
Fluoranthene	mg/kg	280	15S 6T	0.11	N/A	3	No Further Action
Pyrene	mg/kg	620	15S 6T	0.09	N/A	3	No Further Action
Benzo(a)Anthracene	mg/kg	7.2	15S 6T	0.08	N/A	3	No Further Action
Chrysene	mg/kg	15	15S 6T	0.12	N/A	3	No Further Action
Benzo(b)Fluoranthene	mg/kg	2.6	15S 6T	0.12	N/A	3	No Further Action
Benzo(k)Fluoranthene	mg/kg	77	15S 6T	0.04	N/A	3	No Further Action
Benzo(a)Pyrene	mg/kg	2.2	15S 6T	0.06	N/A	3	No Further Action
Indeno(123-cd)Pyrene	mg/kg	27	15S 6T	0.07	N/A	3	No Further Action
Dibenzo(a,h)Anthracene	mg/kg	0.24	15S 6T	<0.02	N/A	3	No Further Action
Benzo(ghi)Perylene	mg/kg	320	15S 6T	0.07	N/A	3	No Further Action
TPH C5-C6 (aliphatic)	mg/kg	42	15S 6T	<0.1	N/A	2	No Further Action
TPH C6-C8 (aliphatic)	mg/kg	100	15S 6T	<0.1	N/A	2	No Further Action
TPH C8-C10 (aliphatic)	mg/kg	27	15S 6T	<0.1	N/A	2	No Further Action
TPH C10-C12 (aromatic)	mg/kg	74	15S 6T	<1	N/A	2	No Further Action
TPH C12-C16 (aromatic)	mg/kg	140	15S 6T	<1	N/A	2	No Further Action
TPH C16-C21 (aromatic)	mg/kg	260	15S 6T	<1	N/A	1	No Further Action
TPH C21-C35 (aromatic)	mg/kg	1100	15S 6T	<1	N/A	1	No Further Action

Notes
Main Exposure Pathways: 1 = Soil Ingestion, 2 = Vapour Inhalation (indoor), 3 = Dermal Contact & Ingestion, 4 = Dust Inhalation. Abbreviations: GAC = General Assessment Criteria, n = number of samples, MC = Maximum Concentration; Loc of Ex = Location of Exceedance; NFD = No Fibres Detected, S = Subsoil, T = Topsoil. Subsoils results relate to samples denoted STP2-A to STP2-O.
The Tier 1 GAC for the hydrocarbon fraction is derived from the CIEH assessment for petroleum hydrocarbons Criteria Working Group (CWG) for both aliphatic and aromatic compounds. ERGO has utilised the Tier 1 values for aliphatic compounds for the volatile and semi volatile fractions (C_5-C_{12}) and the Tier 1 values for aromatic compound for the non-volatile fractions (C_{12}-C_{35}). The comparison of a total (aliphatic/aromatic) compounds to an individual fraction is considered to be a conservative approach and satisfactory for the protection of human health.

Based on the results above, no elevated concentrations of potential contaminants of concern have been identified within the sampled gardens when compared with Tier I GACs for a

residential end use. Based on this assessment along with the visual soil description, the material placed within the plots has been deemed suitable for reuse within residential gardens with no significant potential unacceptable level of risk to human health for future residential end users and construction workers.

Conclusion

It is considered that within the garden areas of plots 101, 103-106 and 123-126 inclusive, the cover system has been installed in accordance with the agreed Remediation Strategy.

I trust this information is satisfactory to your requirements, and should I be able to be of any further assistance, please do not hesitate to contact me.

Yours sincerely,

For and on behalf of ERGO Ltd

Joseph York
Geo-Environmental Consultant

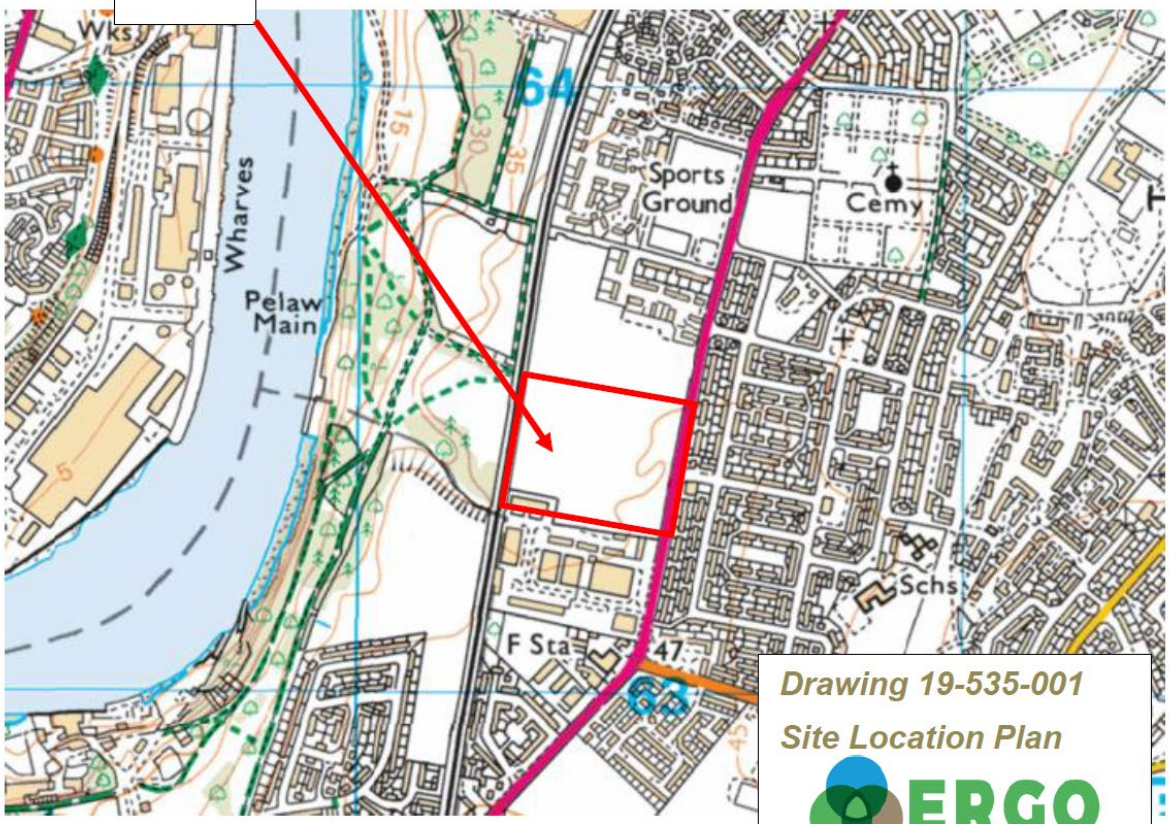
Enclosed:

- ERGO Drawings
- Chemical Testing Results
- Photographs

ERGO Drawings



SITE



Drawing 19-535-001

Site Location Plan

ERGO

Chemical Testing Results

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ANALYTICAL TEST REPORT

Contract no: 86700

Contract name: Hebburn

Client reference: 19-535

Clients name: Ergo Environmental

Clients address: Maling Exchange
Hoults Yard, Walker Road
Newcastle
NE6 2HL

Samples received: 17 June 2020

Analysis started: 17 June 2020

Analysis completed: 24 June 2020

Report issued: 24 June 2020

Notes:
Opinions and interpretations expressed herein are outside the UKAS accreditation scope.
Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.
All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.
Methods, procedures and performance data are available on request.
Results reported herein relate only to the material supplied to the laboratory.
This report shall not be reproduced except in full, without prior written approval.
Samples will be disposed of 6 weeks from initial receipt unless otherwise instructed.

Key:
U UKAS accredited test
M MCERTS & UKAS accredited test
$ Test carried out by an approved subcontractor
I/S Insufficient sample to carry out test
N/S Sample not suitable for testing
NAD No Asbestos Detected

Approved by: [redacted]
Dave Bowerbank
Customer Support Hero

Chemtech Environmental Limited

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

All results are reported on a dry basis. Samples dried at no more than 30°C in a drying cabinet.
Analytical results are inclusive of stones.

Lab ref	Sample id	Depth (m)	Sample description	Material removed	% Removed	% Moisture
86700-1	Phase 3 cut A	-	Clay with Gravel	-	-	26.0
86700-2	Phase 3 cut B	-	Sandy Clay with Gravel	-	-	15.9
86700-3	Phase 3 cut C	-	Clay with Gravel	-	-	20.5
86700-4	Phase 3 cut D	-	Clay with Gravel	-	-	18.9
86700-5	Phase 3 cut E	-	Clay with Gravel	-	-	18.4
86700-6	Phase 3 cut F	-	Clay with Gravel	-	-	18.3
86700-7	STP2 A	-	Clay with Gravel	-	-	20.2
86700-8	STP2 B	-	Clay with Gravel	-	-	12.5
86700-9	STP2 C	-	Clay with Gravel	-	-	12.9
86700-10	STP2 D	-	Clay with Gravel	-	-	14.5
86700-11	STP2 E	-	Clay with Gravel	-	-	27.8
86700-12	STP2 F	-	Clay with Gravel	-	-	14.9
86700-13	STP2 G	-	Clay with Gravel	-	-	14.5
86700-14	STP2 H	-	Clay with Gravel	-	-	14.1
86700-15	STP2 I	-	Clay with Gravel	-	-	20.3
86700-16	STP2 J	-	Clay with Gravel	-	-	14.9
86700-17	STP2 K	-	Clay with Gravel	-	-	14.1
86700-18	STP2 L	-	Clay with Gravel	-	-	15.4
86700-19	STP2 M	-	Clay with Gravel	-	-	15.7
86700-20	STP2 N	-	Clay with Gravel	-	-	28.6
86700-21	STP2 O	-	Clay with Gravel	-	-	14.7
86700-22	STP2 P	-	Clay with Gravel	-	-	18.4
86700-23	STP3 A	-	Clay with Gravel	-	-	15.7
86700-24	STP3 B	-	Clay with Gravel	-	-	17.2
86700-25	STP3 C	-	Clay with Gravel	-	-	16.5
86700-26	STP3 D	-	Clay with Gravel	-	-	17.7
86700-27	STP3 E	-	Clay with Gravel	-	-	16.4
86700-28	STP3 F	-	Clay with Gravel	-	-	17.4
86700-29	STP3 G	-	Clay with Gravel	-	-	19.5
86700-30	STP3 H	-	Clay with Gravel	-	-	16.2
86700-31	STP3 I	-	Clay with Gravel	-	-	17.3
86700-32	STP3 J	-	Clay with Gravel	-	-	15.9
86700-33	STP3 K	-	Clay with Gravel	-	-	18.4
86700-34	STP3 L	-	Clay with Gravel	-	-	17.4
86700-35	STP3 M	-	Clay with Gravel	-	-	19.2
86700-36	STP3 N	-	Clay with Gravel	-	-	18.2

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SAMPLE INFORMATION

MCERTS (Soils):

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All results are reported on a dry basis. Samples dried at no more than 30°C in a drying cabinet.
Analytical results are inclusive of stones.

Lab ref	Sample id	Depth (m)	Sample description	Material removed	% Removed	% Moisture
86700-37	STP3 O	-	Clay with Gravel	-	-	17.2
86700-38	STP3 P	-	Clay with Gravel	-	-	18.3
86700-39	STP3 Q	-	Clay with Gravel	-	-	15.1
86700-40	STP3 R	-	Clay with Gravel	-	-	19.4
86700-41	STP3 S	-	Clay with Gravel	-	-	17.7
86700-42	STP3 T	-	Clay with Gravel	-	-	18.7
86700-43	STP3 U	-	Clay with Gravel	-	-	12.7
86700-44	STP3 V	-	Clay with Gravel	-	-	14.6
86700-45	P146	-	Clay with Gravel	-	-	15.8
86700-46	P147	-	Clay with Gravel	-	-	16.1
86700-47	P148	-	Clay with Gravel	-	-	17.4
86700-48	P149	-	Clay with Gravel	-	-	17.9
86700-49	P150	-	Clay with Gravel	-	-	20.2
86700-50	P151	-	Clay with Gravel	-	-	18.9
86700-51	P152	-	Clay with Gravel	-	-	22.3
86700-52	P153	-	Clay with Gravel	-	-	17.5
86700-53	P154	-	Clay with Gravel	-	-	18.1
86700-54	P155	-	Clay with Gravel	-	-	17.8
86700-55	P156	-	Clay with Gravel	-	-	17.6
86700-56	P157	-	Clay with Gravel	-	-	16.9
86700-57	P158	-	Clay with Gravel	-	-	16.3
86700-58	P159	-	Clay with Gravel	-	-	19.4

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SOILS

Lab number			86700-1	86700-2	86700-3	86700-4	86700-5	86700-6
Sample id			Phase 3 cut A	Phase 3 cut B	Phase 3 cut C	Phase 3 cut D	Phase 3 cut E	Phase 3 cut F
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	10	15	9.9	15	16	24
Cadmium (total)	CE127 M	mg/kg Cd	0.4	<0.2	<0.2	0.3	0.2	0.3
Chromium (total)	CE127 M	mg/kg Cr	59	47	49	41	43	38
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	84	85	42	85	66	101
Lead (total)	CE127 M	mg/kg Pb	91	91	52	130	97	147
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	35	39	37	36	38	50
Selenium (total)	CE127 M	mg/kg Se	1.4	1.5	1.3	1.5	1.3	1.8
Zinc (total)	CE127 M	mg/kg Zn	179	113	84	130	126	134
pH	CE004 M	units	7.7	7.2	7.7	7.9	7.9	7.9
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	378	251	195	304	806	393
Total Organic Carbon (TOC)	CE072 M	% w/w C	1.6	4.3	1.4	3.7	2.5	4.5
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	2.7	7.5	2.3	6.3	4.3	7.8
PAH								
Naphthalene	CE087 M	mg/kg	0.07	0.13	0.08	0.11	0.16	0.12
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	0.02	<0.02
Acenaphthene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	0.04	0.04
Fluorene	CE087 U	mg/kg	<0.02	0.02	<0.02	0.03	0.07	0.06
Phenanthrene	CE087 M	mg/kg	0.17	0.29	0.22	0.26	0.68	0.57
Anthracene	CE087 U	mg/kg	0.03	0.05	0.05	0.06	0.18	0.13
Fluoranthene	CE087 M	mg/kg	0.19	0.31	0.35	0.42	0.93	0.83
Pyrene	CE087 M	mg/kg	0.16	0.25	0.32	0.35	0.73	0.65
Benzo(a)anthracene	CE087 U	mg/kg	0.12	0.20	0.18	0.29	0.50	0.49
Chrysene	CE087 M	mg/kg	0.15	0.24	0.24	0.31	0.58	0.54
Benzo(b)fluoranthene	CE087 M	mg/kg	0.16	0.27	0.24	0.37	0.68	0.63
Benzo(k)fluoranthene	CE087 M	mg/kg	0.06	0.09	0.09	0.13	0.27	0.28
Benzo(a)pyrene	CE087 U	mg/kg	0.11	0.18	0.18	0.28	0.51	0.49
Indeno(123cd)pyrene	CE087 M	mg/kg	0.08	0.13	0.11	0.17	0.34	0.32
Dibenz(ah)anthracene	CE087 M	mg/kg	0.02	0.03	0.03	0.05	0.10	0.10
Benzo(ghi)perylene	CE087 M	mg/kg	0.08	0.13	0.12	0.18	0.37	0.34
PAH (total of USEPA 16)	CE087	mg/kg	1.41	2.33	2.21	2.99	6.15	5.59
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	<1	<1	<1	2	4	3
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	<1	4	2	3	4	4
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	<1	<1	<1	<1	<1	<1

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SOILS

Lab number			86700-1	86700-2	86700-3	86700-4	86700-5	86700-6
Sample id			Phase 3 cut A	Phase 3 cut B	Phase 3 cut C	Phase 3 cut D	Phase 3 cut E	Phase 3 cut F
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	<4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	<4	<4	<4	<4	4	<4
EPH Aliphatic (>C16-C35)	CE068	mg/kg	<4	<4	22	19	112	68
EPH Aliphatic (>C35-C44)	CE068	mg/kg	<10	<10	<10	<10	51	25
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

Chemtech Environmental Limited

SOILS

Lab number			86700-7	86700-8	86700-9	86700-10	86700-11	86700-12
Sample id			STP2 A	STP2 B	STP2 C	STP2 D	STP2 E	STP2 F
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	8.9	7.0	6.8	6.2	5.9	6.3
Cadmium (total)	CE127 M	mg/kg Cd	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (total)	CE127 M	mg/kg Cr	41	41	41	45	40	42
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	32	23	21	21	19	21
Lead (total)	CE127 M	mg/kg Pb	40	23	19	19	20	22
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	41	41	38	37	36	41
Selenium (total)	CE127 M	mg/kg Se	1.2	1.2	1.1	1.1	1.1	1.3
Zinc (total)	CE127 M	mg/kg Zn	76	67	62	58	60	65
pH	CE004 M	units	8.1	8.1	8.1	8.0	8.1	8.1
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	131	93	168	144	112	100
Total Organic Carbon (TOC)	CE072 M	% w/w C	0.9	1.0	1.0	0.5	1.2	0.9
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	1.6	1.7	1.8	0.9	2.1	1.5
PAH								
Naphthalene	CE087 M	mg/kg	<0.02	<0.02	<0.02	0.04	0.02	0.02
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	CE087 M	mg/kg	0.03	0.04	0.07	0.12	0.05	0.07
Anthracene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	CE087 M	mg/kg	<0.02	0.02	0.02	0.11	0.03	0.04
Pyrene	CE087 M	mg/kg	<0.02	<0.02	0.03	0.09	0.02	0.03
Benzo(a)anthracene	CE087 U	mg/kg	<0.02	<0.02	<0.02	0.06	<0.02	0.02
Chrysene	CE087 M	mg/kg	<0.03	<0.03	0.03	0.08	0.03	0.04
Benzo(b)fluoranthene	CE087 M	mg/kg	0.03	0.03	0.02	0.08	0.04	0.03
Benzo(k)fluoranthene	CE087 M	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(a)pyrene	CE087 U	mg/kg	<0.02	<0.02	<0.02	0.05	<0.02	<0.02
Indeno(123cd)pyrene	CE087 M	mg/kg	<0.02	<0.02	<0.02	0.03	<0.02	<0.02
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(ghi)perylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	0.04	<0.02	<0.02
PAH (total of USEPA 16)	CE087	mg/kg	<0.34	<0.34	<0.34	0.68	<0.34	<0.34
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	<1	<1	<1	1	<1	<1
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	<1	<1	<1	<1	<1	<1

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SOILS

Lab number			86700-7	86700-8	86700-9	86700-10	86700-11	86700-12
Sample id			STP2 A	STP2 B	STP2 C	STP2 D	STP2 E	STP2 F
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	<4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	<4	<4	<4	<4	<4	5
EPH Aliphatic (>C16-C35)	CE068	mg/kg	7	11	5	34	19	31
EPH Aliphatic (>C35-C44)	CE068	mg/kg	<10	<10	<10	11	<10	13
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

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SOILS

Lab number			86700-13	86700-14	86700-15	86700-16	86700-17	86700-18
Sample id			STP2 G	STP2 H	STP2 I	STP2 J	STP2 K	STP2 L
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	6.3	5.7	6.2	6.1	7.0	7.3
Cadmium (total)	CE127 M	mg/kg Cd	<0.2	0.3	<0.2	<0.2	<0.2	<0.2
Chromium (total)	CE127 M	mg/kg Cr	41	44	33	38	39	185
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	21	25	18	20	21	25
Lead (total)	CE127 M	mg/kg Pb	21	26	18	20	21	24
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	40	44	35	38	40	112
Selenium (total)	CE127 M	mg/kg Se	1.2	1.4	1.1	1.1	1.2	1.3
Zinc (total)	CE127 M	mg/kg Zn	65	75	58	63	70	77
pH	CE004 M	units	8.2	8.2	8.2	8.2	8.2	8.2
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	69	84	44	56	61	53
Total Organic Carbon (TOC)	CE072 M	% w/w C	0.9	1.2	1.0	1.0	0.8	1.1
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	1.5	2.1	1.7	1.7	1.4	1.9
PAH								
Naphthalene	CE087 M	mg/kg	0.03	<0.02	0.03	0.03	0.03	0.04
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	CE087 M	mg/kg	0.07	0.13	0.06	0.17	0.06	0.09
Anthracene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	CE087 M	mg/kg	0.05	0.04	0.05	0.04	0.03	0.04
Pyrene	CE087 M	mg/kg	0.04	0.04	0.05	<0.02	0.03	0.04
Benzo(a)anthracene	CE087 U	mg/kg	0.02	0.02	0.03	<0.02	<0.02	0.02
Chrysene	CE087 M	mg/kg	0.04	0.05	0.04	0.04	0.03	0.04
Benzo(b)fluoranthene	CE087 M	mg/kg	0.06	0.05	0.06	<0.02	0.03	0.04
Benzo(k)fluoranthene	CE087 M	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(a)pyrene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Indeno(123cd)pyrene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(ghi)perylene	CE087 M	mg/kg	<0.02	0.02	0.02	<0.02	<0.02	0.02
PAH (total of USEPA 16)	CE087	mg/kg	<0.34	0.35	<0.34	<0.34	<0.34	0.34
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	<1	1	<1	<1	<1	1
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	<1	<1	<1	<1	<1	<1

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SOILS

Lab number			86700-13	86700-14	86700-15	86700-16	86700-17	86700-18
Sample id			STP2 G	STP2 H	STP2 I	STP2 J	STP2 K	STP2 L
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	<4	<4	<4	4	4	<4
EPH Aliphatic (>C16-C35)	CE068	mg/kg	21	26	47	12	19	22
EPH Aliphatic (>C35-C44)	CE068	mg/kg	10	12	40	<10	<10	<10
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

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SOILS

Lab number			86700-19	86700-20	86700-21	86700-22	86700-23	86700-24
Sample id			STP2 M	STP2 N	STP2 O	STP2 P	STP3 A	STP3 B
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	6.7	6.0	5.9	8.6	8.3	8.5
Cadmium (total)	CE127 M	mg/kg Cd	<0.2	0.2	<0.2	<0.2	0.3	0.3
Chromium (total)	CE127 M	mg/kg Cr	75	75	45	54	46	34
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	21	18	19	22	35	36
Lead (total)	CE127 M	mg/kg Pb	21	20	18	23	48	76
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	57	54	41	51	47	39
Selenium (total)	CE127 M	mg/kg Se	1.0	0.9	1.1	1.2	1.2	1.2
Zinc (total)	CE127 M	mg/kg Zn	67	62	61	77	94	95
pH	CE004 M	units	8.2	8.2	8.2	8.2	8.4	9.0
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	72	91	140	173	108	175
Total Organic Carbon (TOC)	CE072 M	% w/w C	1.3	0.7	1.1	0.8	1.5	1.8
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	2.2	1.3	1.9	1.4	2.6	3.1
PAH								
Naphthalene	CE087 M	mg/kg	0.04	0.05	0.02	0.05	0.14	0.09
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 M	mg/kg	0.02	<0.02	<0.02	<0.02	0.04	<0.02
Fluorene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	0.04	0.02
Phenanthrene	CE087 M	mg/kg	0.29	0.15	0.06	0.10	0.46	0.25
Anthracene	CE087 U	mg/kg	0.06	<0.02	<0.02	<0.02	0.07	0.05
Fluoranthene	CE087 M	mg/kg	0.27	0.07	0.04	0.05	0.38	0.26
Pyrene	CE087 M	mg/kg	0.22	0.06	0.03	0.04	0.29	0.20
Benzo(a)anthracene	CE087 U	mg/kg	0.11	0.03	<0.02	0.04	0.18	0.16
Chrysene	CE087 M	mg/kg	0.14	0.06	0.04	0.05	0.24	0.21
Benzo(b)fluoranthene	CE087 M	mg/kg	0.13	0.05	0.03	0.05	0.26	0.24
Benzo(k)fluoranthene	CE087 M	mg/kg	0.05	<0.03	<0.03	<0.03	0.10	0.07
Benzo(a)pyrene	CE087 U	mg/kg	0.10	0.03	<0.02	0.03	0.18	0.15
Indeno(123cd)pyrene	CE087 M	mg/kg	0.05	<0.02	<0.02	<0.02	0.14	0.11
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(ghi)perylene	CE087 M	mg/kg	0.07	0.04	<0.02	0.04	0.15	0.12
PAH (total of USEPA 16)	CE087	mg/kg	1.55	0.55	<0.34	0.46	2.68	1.94
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	<1	<1	<1	<1	2	1
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	2	1	<1	<1	3	2
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	<1	<1	<1	<1	<1	<1

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SOILS

Lab number			86700-19	86700-20	86700-21	86700-22	86700-23	86700-24
Sample id			STP2 M	STP2 N	STP2 O	STP2 P	STP3 A	STP3 B
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	<4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	<4	4	4	<4	10	4
EPH Aliphatic (>C16-C35)	CE068	mg/kg	25	28	20	16	85	66
EPH Aliphatic (>C35-C44)	CE068	mg/kg	<10	14	10	<10	<10	15
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

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SOILS

Lab number			86700-25	86700-26	86700-27	86700-28	86700-29	86700-30
Sample id			STP3 C	STP3 D	STP3 E	STP3 F	STP3 G	STP3 H
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	8.3	8.7	9.4	8.8	7.9	7.9
Cadmium (total)	CE127 M	mg/kg Cd	0.2	0.4	0.4	0.4	0.2	0.2
Chromium (total)	CE127 M	mg/kg Cr	35	44	35	32	37	34
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	40	33	41	38	37	32
Lead (total)	CE127 M	mg/kg Pb	50	171	130	103	67	54
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	39	41	35	31	36	37
Selenium (total)	CE127 M	mg/kg Se	1.1	1.1	1.2	1.1	1.1	1.0
Zinc (total)	CE127 M	mg/kg Zn	84	118	121	152	128	88
pH	CE004 M	units	8.3	8.1	9.8	9.3	8.6	8.9
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	115	172	199	186	83	88
Total Organic Carbon (TOC)	CE072 M	% w/w C	2.2	1.9	3.1	3.3	2.6	3.9
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	3.8	3.2	5.3	5.6	4.4	6.8
PAH								
Naphthalene	CE087 M	mg/kg	0.09	0.07	0.06	0.10	0.07	0.03
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 M	mg/kg	0.03	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	CE087 U	mg/kg	0.04	<0.02	0.03	0.03	0.03	<0.02
Phenanthrene	CE087 M	mg/kg	0.72	0.16	0.23	0.42	0.28	0.07
Anthracene	CE087 U	mg/kg	0.12	<0.02	0.05	0.10	0.06	<0.02
Fluoranthene	CE087 M	mg/kg	1.87	0.09	0.28	0.56	0.34	0.06
Pyrene	CE087 M	mg/kg	1.35	0.07	0.23	0.44	0.29	0.04
Benzo(a)anthracene	CE087 U	mg/kg	0.41	0.05	0.16	0.30	0.21	0.03
Chrysene	CE087 M	mg/kg	0.41	0.08	0.18	0.36	0.25	0.06
Benzo(b)fluoranthene	CE087 M	mg/kg	0.28	0.09	0.19	0.36	0.27	0.06
Benzo(k)fluoranthene	CE087 M	mg/kg	0.10	<0.03	0.08	0.10	0.12	<0.03
Benzo(a)pyrene	CE087 U	mg/kg	0.18	0.05	0.15	0.25	0.21	0.02
Indeno(123cd)pyrene	CE087 M	mg/kg	0.13	0.05	0.11	0.18	0.15	0.02
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(ghi)perylene	CE087 M	mg/kg	0.11	0.06	0.10	0.18	0.16	0.03
PAH (total of USEPA 16)	CE087	mg/kg	5.86	0.76	1.84	3.39	2.43	0.42
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	5	<1	1	3	2	<1
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	5	2	3	4	2	1
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	1	<1	<1	1	<1	<1

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SOILS

Lab number			86700-25	86700-26	86700-27	86700-28	86700-29	86700-30
Sample id			STP3 C	STP3 D	STP3 E	STP3 F	STP3 G	STP3 H
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	<4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	5	4	8	6	<4	<4
EPH Aliphatic (>C16-C35)	CE068	mg/kg	104	39	141	113	46	51
EPH Aliphatic (>C35-C44)	CE068	mg/kg	24	<10	17	24	<10	<10
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

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SOILS

Lab number			86700-31	86700-32	86700-33	86700-34	86700-35	86700-36
Sample id			STP3 I	STP3 J	STP3 K	STP3 L	STP3 M	STP3 N
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	11	11	9.9	7.7	7.9	9.6
Cadmium (total)	CE127 M	mg/kg Cd	0.3	0.5	0.3	0.3	0.3	0.3
Chromium (total)	CE127 M	mg/kg Cr	36	41	40	37	46	43
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	50	56	50	35	35	33
Lead (total)	CE127 M	mg/kg Pb	88	81	72	39	86	84
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	37	43	43	43	39	39
Selenium (total)	CE127 M	mg/kg Se	1.2	1.4	1.3	1.1	1.1	1.1
Zinc (total)	CE127 M	mg/kg Zn	111	118	119	108	126	112
pH	CE004 M	units	8.3	8.6	8.7	8.6	9.9	8.9
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	144	130	84	153	225	151
Total Organic Carbon (TOC)	CE072 M	% w/w C	3.3	3.6	2.9	2.0	4.7	2.6
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	5.7	6.3	5.0	3.4	8.1	4.5
PAH								
Naphthalene	CE087 M	mg/kg	0.06	0.12	0.04	0.06	0.05	0.09
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 M	mg/kg	<0.02	0.02	<0.02	<0.02	<0.02	0.03
Fluorene	CE087 U	mg/kg	<0.02	0.02	<0.02	0.02	0.02	0.03
Phenanthrene	CE087 M	mg/kg	0.19	0.24	0.07	0.23	0.24	0.44
Anthracene	CE087 U	mg/kg	<0.02	0.04	<0.02	0.04	0.05	0.09
Fluoranthene	CE087 M	mg/kg	0.12	0.26	0.08	0.31	0.29	0.70
Pyrene	CE087 M	mg/kg	0.12	0.21	0.06	0.25	0.23	0.58
Benzo(a)anthracene	CE087 U	mg/kg	0.06	0.15	0.04	0.17	0.15	0.36
Chrysene	CE087 M	mg/kg	0.10	0.20	0.06	0.20	0.18	0.43
Benzo(b)fluoranthene	CE087 M	mg/kg	0.09	0.21	0.06	0.21	0.18	0.45
Benzo(k)fluoranthene	CE087 M	mg/kg	0.03	0.08	<0.03	0.10	0.07	0.16
Benzo(a)pyrene	CE087 U	mg/kg	0.06	0.15	0.03	0.15	0.14	0.30
Indeno(123cd)pyrene	CE087 M	mg/kg	0.04	0.11	0.03	0.12	0.10	0.22
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(ghi)perylene	CE087 M	mg/kg	0.06	0.11	0.03	0.12	0.10	0.21
PAH (total of USEPA 16)	CE087	mg/kg	0.94	1.93	0.51	1.98	1.80	4.08
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	<1	1	<1	<1	1	3
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	2	2	2	3	3	5
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	<1	<1	<1	<1	<1	1

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SOILS

Lab number			86700-31	86700-32	86700-33	86700-34	86700-35	86700-36
Sample id			STP3 I	STP3 J	STP3 K	STP3 L	STP3 M	STP3 N
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	<4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	6	6	<4	<4	<4	7
EPH Aliphatic (>C16-C35)	CE068	mg/kg	46	103	60	52	82	187
EPH Aliphatic (>C35-C44)	CE068	mg/kg	<10	16	<10	<10	<10	32
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

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SOILS

Lab number			86700-37	86700-38	86700-39	86700-40	86700-41	86700-42
Sample id			STP3 O	STP3 P	STP3 Q	STP3 R	STP3 S	STP3 T
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	8.9	9.1	7.5	8.8	9.2	11
Cadmium (total)	CE127 M	mg/kg Cd	0.3	0.4	0.5	0.4	0.3	0.3
Chromium (total)	CE127 M	mg/kg Cr	38	41	31	31	35	40
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	38	40	44	41	38	57
Lead (total)	CE127 M	mg/kg Pb	79	89	73	99	112	60
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	39	37	30	34	37	42
Selenium (total)	CE127 M	mg/kg Se	1.1	1.2	1.0	1.1	1.0	1.3
Zinc (total)	CE127 M	mg/kg Zn	105	146	93	106	110	123
pH	CE004 M	units	9.3	9.8	9.3	9.0	8.6	8.8
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	211	263	424	166	194	165
Total Organic Carbon (TOC)	CE072 M	% w/w C	2.1	4.5	4.8	4.9	2.5	2.6
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	3.7	7.7	8.2	8.4	4.3	4.4
PAH								
Naphthalene	CE087 M	mg/kg	0.13	0.06	0.08	0.06	<0.02	<0.02
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 M	mg/kg	0.02	0.02	0.02	0.02	<0.02	<0.02
Fluorene	CE087 U	mg/kg	0.02	0.02	0.02	0.02	<0.02	<0.02
Phenanthrene	CE087 M	mg/kg	0.37	0.31	0.29	0.27	0.12	0.14
Anthracene	CE087 U	mg/kg	0.06	0.08	0.07	0.07	0.06	0.08
Fluoranthene	CE087 M	mg/kg	0.40	0.55	0.51	0.46	0.15	0.20
Pyrene	CE087 M	mg/kg	0.33	0.47	0.41	0.40	0.11	0.16
Benzo(a)anthracene	CE087 U	mg/kg	0.21	0.31	0.28	0.29	0.06	0.10
Chrysene	CE087 M	mg/kg	0.24	0.32	0.30	0.30	0.09	0.11
Benzo(b)fluoranthene	CE087 M	mg/kg	0.25	0.35	0.31	0.32	<0.02	<0.02
Benzo(k)fluoranthene	CE087 M	mg/kg	0.10	0.14	0.15	0.13	<0.03	<0.03
Benzo(a)pyrene	CE087 U	mg/kg	0.19	0.26	0.23	0.24	<0.02	<0.02
Indeno(123cd)pyrene	CE087 M	mg/kg	0.14	0.19	0.17	0.16	<0.02	<0.02
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(ghi)perylene	CE087 M	mg/kg	0.14	0.17	0.16	0.16	<0.02	<0.02
PAH (total of USEPA 16)	CE087	mg/kg	2.61	3.27	3.00	2.91	0.59	0.79
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	2	2	2	2	<1	1
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	4	5	4	5	1	1
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	<1	1	1	2	<1	<1

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SOILS

Lab number			86700-37	86700-38	86700-39	86700-40	86700-41	86700-42
Sample id			STP3 O	STP3 P	STP3 Q	STP3 R	STP3 S	STP3 T
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	<4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	5	5	5	8	<4	5
EPH Aliphatic (>C16-C35)	CE068	mg/kg	100	127	118	136	18	93
EPH Aliphatic (>C35-C44)	CE068	mg/kg	17	26	24	46	<10	<10
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

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SOILS

Lab number			86700-43	86700-44	86700-45	86700-46	86700-47	86700-48
Sample id			STP3 U	STP3 V	P146	P147	P148	P149
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	7.0	6.9	8.6	9.5	8.8	8.0
Cadmium (total)	CE127 M	mg/kg Cd	0.2	0.3	0.3	0.3	0.2	<0.2
Chromium (total)	CE127 M	mg/kg Cr	27	26	32	36	33	34
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	32	28	36	48	43	41
Lead (total)	CE127 M	mg/kg Pb	49	64	63	74	64	57
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	28	29	32	36	36	34
Selenium (total)	CE127 M	mg/kg Se	1.1	0.9	1.0	1.2	1.0	1.2
Zinc (total)	CE127 M	mg/kg Zn	86	84	92	107	203	113
pH	CE004 M	units	8.7	8.3	8.4	9.0	8.4	8.1
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	97	121	267	138	257	164
Total Organic Carbon (TOC)	CE072 M	% w/w C	2.5	2.5	2.8	2.8	2.7	2.7
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	4.4	4.3	4.8	4.9	4.6	4.7
PAH								
Naphthalene	CE087 M	mg/kg	0.04	0.08	<0.02	0.05	<0.02	0.10
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 M	mg/kg	0.02	0.03	<0.02	0.03	<0.02	0.03
Fluorene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	CE087 M	mg/kg	0.65	0.34	0.16	0.38	0.14	0.49
Anthracene	CE087 U	mg/kg	0.28	0.16	0.06	0.18	0.05	0.24
Fluoranthene	CE087 M	mg/kg	1.14	0.43	0.07	0.63	0.29	0.81
Pyrene	CE087 M	mg/kg	0.86	0.36	0.07	0.51	0.22	0.63
Benzo(a)anthracene	CE087 U	mg/kg	0.52	0.23	<0.02	0.31	0.16	0.40
Chrysene	CE087 M	mg/kg	0.56	0.28	<0.03	0.37	0.20	0.39
Benzo(b)fluoranthene	CE087 M	mg/kg	0.60	0.33	<0.02	0.43	0.20	0.41
Benzo(k)fluoranthene	CE087 M	mg/kg	0.34	0.15	<0.03	0.18	0.11	0.27
Benzo(a)pyrene	CE087 U	mg/kg	0.41	0.22	<0.02	0.30	0.13	0.38
Indeno(123cd)pyrene	CE087 M	mg/kg	0.21	0.12	<0.02	0.10	0.08	0.21
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(ghi)perylene	CE087 M	mg/kg	0.20	0.11	<0.02	0.13	0.06	0.13
PAH (total of USEPA 16)	CE087	mg/kg	5.85	2.82	0.35	3.60	1.63	4.49
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	4	2	<1	2	<1	3
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	5	4	1	3	1	4
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	1	1	<1	<1	<1	2

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SOILS

Lab number			86700-43	86700-44	86700-45	86700-46	86700-47	86700-48
Sample id			STP3 U	STP3 V	P146	P147	P148	P149
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	<4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	<4	11	<4	<4	<4	<4
EPH Aliphatic (>C16-C35)	CE068	mg/kg	131	118	19	47	10	163
EPH Aliphatic (>C35-C44)	CE068	mg/kg	31	11	<10	<10	<10	110
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

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SOILS

Lab number			86700-49	86700-50	86700-51	86700-52	86700-53	86700-54
Sample id			P150	P151	P152	P153	P154	P155
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	8.1	11	14	12	15	10
Cadmium (total)	CE127 M	mg/kg Cd	0.3	0.3	0.3	0.3	0.3	0.2
Chromium (total)	CE127 M	mg/kg Cr	26	40	40	43	37	39
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	38	46	62	40	50	39
Lead (total)	CE127 M	mg/kg Pb	75	80	90	69	96	72
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	25	36	39	39	34	34
Selenium (total)	CE127 M	mg/kg Se	0.9	2.8	3.2	3.0	2.6	2.6
Zinc (total)	CE127 M	mg/kg Zn	117	121	118	112	135	98
pH	CE004 M	units	7.7	8.0	7.9	8.5	8.0	8.3
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	1462	839	557	669	786	294
Total Organic Carbon (TOC)	CE072 M	% w/w C	4.2	2.9	4.9	3.2	7.2	2.8
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	7.2	5.0	8.4	5.5	12.5	4.8
PAH								
Naphthalene	CE087 M	mg/kg	<0.02	0.04	0.05	0.08	0.07	0.02
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 M	mg/kg	<0.02	0.03	0.03	<0.02	0.08	<0.02
Fluorene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	0.08	0.04
Phenanthrene	CE087 M	mg/kg	0.24	0.54	0.73	0.26	0.85	0.54
Anthracene	CE087 U	mg/kg	0.12	0.29	0.27	0.10	0.34	0.18
Fluoranthene	CE087 M	mg/kg	0.44	0.90	1.16	0.36	1.18	0.62
Pyrene	CE087 M	mg/kg	0.39	0.72	0.94	0.32	0.96	0.45
Benzo(a)anthracene	CE087 U	mg/kg	0.27	0.45	0.63	0.22	0.61	0.37
Chrysene	CE087 M	mg/kg	0.29	0.50	0.62	0.24	0.62	0.35
Benzo(b)fluoranthene	CE087 M	mg/kg	0.35	0.51	0.66	0.29	0.77	0.42
Benzo(k)fluoranthene	CE087 M	mg/kg	0.19	0.20	0.40	0.11	0.36	0.18
Benzo(a)pyrene	CE087 U	mg/kg	0.27	0.38	0.54	0.19	0.54	0.30
Indeno(123cd)pyrene	CE087 M	mg/kg	0.16	0.18	0.28	0.12	0.33	0.11
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(ghi)perylene	CE087 M	mg/kg	0.16	0.15	0.30	<0.02	0.30	0.15
PAH (total of USEPA 16)	CE087	mg/kg	2.88	4.87	6.61	2.28	7.11	3.74
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	2	2	4	2	4	3
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	3	3	6	3	5	3
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	1	<1	1	<1	1	<1

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SOILS

Lab number			86700-49	86700-50	86700-51	86700-52	86700-53	86700-54
Sample id			P150	P151	P152	P153	P154	P155
Depth (m)			-	-	-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**						
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	<4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	<4	<4	<4	6	<4	<4
EPH Aliphatic (>C16-C35)	CE068	mg/kg	86	21	130	70	110	75
EPH Aliphatic (>C35-C44)	CE068	mg/kg	26	<10	19	17	40	18
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

Chemtech Environmental Limited

SOILS

Lab number			86700-55	86700-56	86700-57	86700-58
Sample id			P156	P157	P158	P159
Depth (m)			-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**				
Arsenic (total)	CE127 M	mg/kg As	12	10	8.9	9.4
Cadmium (total)	CE127 M	mg/kg Cd	0.3	0.3	0.4	0.3
Chromium (total)	CE127 M	mg/kg Cr	36	35	35	37
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	43	42	38	47
Lead (total)	CE127 M	mg/kg Pb	70	78	66	71
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	38	34	32	35
Selenium (total)	CE127 M	mg/kg Se	3.4	2.6	2.3	2.5
Zinc (total)	CE127 M	mg/kg Zn	146	150	113	121
pH	CE004 M	units	8.1	8.4	8.9	8.2
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	1720	1564	1377	912
Total Organic Carbon (TOC)	CE072 M	% w/w C	4.0	4.2	4.0	4.4
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	6.9	7.2	6.9	7.7
PAH						
Naphthalene	CE087 M	mg/kg	0.06	0.10	0.22	0.73
Acenaphthylene	CE087 M	mg/kg	<0.02	0.04	0.11	0.48
Acenaphthene	CE087 M	mg/kg	0.04	0.07	0.15	0.58
Fluorene	CE087 U	mg/kg	0.05	0.07	0.15	0.56
Phenanthrene	CE087 M	mg/kg	0.46	0.47	0.51	1.18
Anthracene	CE087 U	mg/kg	0.18	0.18	0.25	0.79
Fluoranthene	CE087 M	mg/kg	0.58	0.75	0.57	1.65
Pyrene	CE087 M	mg/kg	0.49	0.65	0.51	1.45
Benzo(a)anthracene	CE087 U	mg/kg	0.30	0.45	0.37	1.08
Chrysene	CE087 M	mg/kg	0.35	0.51	0.48	1.18
Benzo(b)fluoranthene	CE087 M	mg/kg	0.35	0.53	0.42	1.11
Benzo(k)fluoranthene	CE087 M	mg/kg	0.18	0.33	0.29	0.93
Benzo(a)pyrene	CE087 U	mg/kg	0.24	0.42	0.34	0.98
Indeno(123cd)pyrene	CE087 M	mg/kg	0.12	0.24	0.21	0.70
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	0.14	0.23
Benzo(ghi)perylene	CE087 M	mg/kg	0.09	0.26	0.23	0.72
PAH (total of USEPA 16)	CE087	mg/kg	3.49	5.07	4.95	14.4
TPH						
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	0.02	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	3	3	3	6
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	5	4	3	8
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	<1	1	<1	3

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SOILS

Lab number			86700-55	86700-56	86700-57	86700-58
Sample id			P156	P157	P158	P159
Depth (m)			-	-	-	-
Date sampled			16/06/2020	16/06/2020	16/06/2020	16/06/2020
Test	**Method**	**Units**				
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	4	<4	<4	5
EPH Aliphatic (>C16-C35)	CE068	mg/kg	127	81	69	182
EPH Aliphatic (>C35-C44)	CE068	mg/kg	35	33	23	103
Subcontracted analysis						
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE127	Arsenic (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg As
CE127	Cadmium (total)	Aqua regia digest, ICP-MS	Dry	M	0.2	mg/kg Cd
CE127	Chromium (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Cr
CE146	Chromium (VI)	Acid extraction, Colorimetry	Dry		1	mg/kg CrVI
CE127	Copper (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Cu
CE127	Lead (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Pb
CE127	Mercury (total)	Aqua regia digest, ICP-MS	Dry	M	0.5	mg/kg Hg
CE127	Nickel (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Ni
CE127	Selenium (total)	Aqua regia digest, ICP-MS	Dry	M	0.3	mg/kg Se
CE127	Zinc (total)	Aqua regia digest, ICP-MS	Dry	M	5	mg/kg Zn
CE004	pH	Based on BS 1377, pH Meter	As received	M	-	units
CE061	Sulphate (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry	M	10	mg/l SO_4
CE072	Total Organic Carbon (TOC)	Removal of IC by acidification, Carbon Analyser	Dry	M	0.1	% w/w C
CE072	Estimate of OMC (calculated from TOC)	Calculation from Total Organic Carbon	Dry	M	0.1	% w/w
CE087	Naphthalene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Acenaphthylene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Acenaphthene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Fluorene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Phenanthrene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Anthracene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Fluoranthene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Pyrene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Benzo(a)anthracene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Chrysene	Solvent extraction, GC-MS	As received	M	0.03	mg/kg
CE087	Benzo(b)fluoranthene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Benzo(k)fluoranthene	Solvent extraction, GC-MS	As received	M	0.03	mg/kg
CE087	Benzo(a)pyrene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Indeno(123cd)pyrene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Dibenz(ah)anthracene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Benzo(ghi)perylene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	PAH (total of USEPA 16)	Solvent extraction, GC-MS	As received		0.34	mg/kg
CE067	VPH Aromatic (>EC5-EC7)	Headspace GC-FID	As received		0.01	mg/kg
CE067	VPH Aromatic (>EC7-EC8)	Headspace GC-FID	As received		0.01	mg/kg
CE067	VPH Aromatic (>EC8-EC10)	Headspace GC-FID	As received		0.01	mg/kg
CE068	EPH Aromatic (>EC10-EC12)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC12-EC16)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC16-EC21)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC21-EC35)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC35-EC44)	Solvent extraction, GC-FID	As received		1	mg/kg
CE067	VPH Aliphatic (>C5-C6)	Headspace GC-FID	As received		0.1	mg/kg
CE067	VPH Aliphatic (>C6-C8)	Headspace GC-FID	As received		0.1	mg/kg
CE067	VPH Aliphatic (>C8-C10)	Headspace GC-FID	As received		0.1	mg/kg
CE068	EPH Aliphatic (>C10-C12)	Solvent extraction, GC-FID	As received		4	mg/kg
CE068	EPH Aliphatic (>C12-C16)	Solvent extraction, GC-FID	As received		4	mg/kg

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE068	EPH Aliphatic (>C16-C35)	Solvent extraction, GC-FID	As received		4	mg/kg
CE068	EPH Aliphatic (>C35-C44)	Solvent extraction, GC-FID	As received		10	mg/kg
$	Asbestos (qualitative)	HSG 248, Microscopy	Dry	U	-	-

Chemtech Environmental Limited

DEVIATING SAMPLE INFORMATION

Comments
Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.
For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.
Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

N	No (not deviating sample)
Y	Yes (deviating sample)
NSD	Sampling date not provided
NST	Sampling time not provided (waters only)
EHT	Sample exceeded holding time(s)
IC	Sample not received in appropriate containers
HP	Headspace present in sample container
NCF	Sample not chemically fixed (where appropriate)
OR	Other (specify)

Lab ref	Sample id	Depth (m)	Deviating	Tests (Reason for deviation)
86700-1	Phase 3 cut A	-	N	
86700-2	Phase 3 cut B	-	N	
86700-3	Phase 3 cut C	-	N	
86700-4	Phase 3 cut D	-	N	
86700-5	Phase 3 cut E	-	N	
86700-6	Phase 3 cut F	-	N	
86700-7	STP2 A	-	N	
86700-8	STP2 B	-	N	
86700-9	STP2 C	-	N	
86700-10	STP2 D	-	N	
86700-11	STP2 E	-	N	
86700-12	STP2 F	-	N	
86700-13	STP2 G	-	N	
86700-14	STP2 H	-	N	
86700-15	STP2 I	-	N	
86700-16	STP2 J	-	N	
86700-17	STP2 K	-	N	
86700-18	STP2 L	-	N	
86700-19	STP2 M	-	N	
86700-20	STP2 N	-	N	
86700-21	STP2 O	-	N	
86700-22	STP2 P	-	N	
86700-23	STP3 A	-	N	
86700-24	STP3 B	-	N	
86700-25	STP3 C	-	N	
86700-26	STP3 D	-	N	
86700-27	STP3 E	-	N	
86700-28	STP3 F	-	N	
86700-29	STP3 G	-	N	
86700-30	STP3 H	-	N	

Chemtech Environmental Limited

DEVIATING SAMPLE INFORMATION

Comments
Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.
For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.
Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

N	No (not deviating sample)
Y	Yes (deviating sample)
NSD	Sampling date not provided
NST	Sampling time not provided (waters only)
EHT	Sample exceeded holding time(s)
IC	Sample not received in appropriate containers
HP	Headspace present in sample container
NCF	Sample not chemically fixed (where appropriate)
OR	Other (specify)

Lab ref	Sample id	Depth (m)	Deviating	Tests (Reason for deviation)
86700-31	STP3 I	-	N	
86700-32	STP3 J	-	N	
86700-33	STP3 K	-	N	
86700-34	STP3 L	-	N	
86700-35	STP3 M	-	N	
86700-36	STP3 N	-	N	
86700-37	STP3 O	-	N	
86700-38	STP3 P	-	N	
86700-39	STP3 Q	-	N	
86700-40	STP3 R	-	N	
86700-41	STP3 S	-	N	
86700-42	STP3 T	-	N	
86700-43	STP3 U	-	N	
86700-44	STP3 V	-	N	
86700-45	P146	-	N	
86700-46	P147	-	N	
86700-47	P148	-	N	
86700-48	P149	-	N	
86700-49	P150	-	N	
86700-50	P151	-	N	
86700-51	P152	-	N	
86700-52	P153	-	N	
86700-53	P154	-	N	
86700-54	P155	-	N	
86700-55	P156	-	N	
86700-56	P157	-	N	
86700-57	P158	-	N	
86700-58	P159	-	N	

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ANALYTICAL TEST REPORT

Contract no: 87886

Contract name: Quarry Topsoil

Client reference: 19-535

Clients name: Ergo Environmental

Clients address: Maling Exchange
Hoults Yard, Walker Road
Newcastle
NE6 2HL

Samples received: 30 July 2020

Analysis started: 30 July 2020

Analysis completed: 04 August 2020

Report issued: 04 August 2020

Notes:
Opinions and interpretations expressed herein are outside the UKAS accreditation scope.
Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.
All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.
Methods, procedures and performance data are available on request.
Results reported herein relate only to the material supplied to the laboratory.
This report shall not be reproduced except in full, without prior written approval.
Samples will be disposed of 6 weeks from initial receipt unless otherwise instructed.

Key:
U UKAS accredited test
M MCERTS & UKAS accredited test
$ Test carried out by an approved subcontractor
I/S Insufficient sample to carry out test
N/S Sample not suitable for testing
NAD No Asbestos Detected

Approved by: [redacted]
Dave Bowerbank
Customer Support Hero

Chemtech Environmental Limited

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

All results are reported on a dry basis. Samples dried at no more than 30°C in a drying cabinet.
Analytical results are inclusive of stones.

Lab ref	Sample id	Depth (m)	Sample description	Material removed	% Removed	% Moisture
87886-1	TS1	-	Clayey Sand with Gravel & Roots	-	-	19.4
87886-2	TS2	-	Clayey Sand with Gravel & Roots	-	-	19.3
87886-3	TS3	-	Clayey Sand with Gravel & Roots	-	-	18.5
87886-4	TS4	-	Clayey Sand with Gravel & Roots	-	-	17.1
87886-5	TS5	-	Clayey Sand with Gravel & Roots	-	-	19.4
87886-6	TS6	-	Clayey Sand with Gravel & Roots	-	-	19.4

Chemtech Environmental Limited

SOILS

Lab number			87886-1	87886-2	87886-3	87886-4	87886-5	87886-6
Sample id			TS1	TS2	TS3	TS4	TS5	TS6
Depth (m)			-	-	-	-	-	-
Date sampled			30/07/2020	30/07/2020	30/07/2020	30/07/2020	30/07/2020	30/07/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	4.8	4.9	4.8	4.9	4.1	4.7
Cadmium (total)	CE127 M	mg/kg Cd	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium (total)	CE127 M	mg/kg Cr	20	24	23	21	22	20
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	7.3	7.7	7.8	6.8	6.9	7.2
Lead (total)	CE127 M	mg/kg Pb	23	23	23	23	20	21
Mercury (total)	CE127 M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 M	mg/kg Ni	12	14	15	12	12	12
Selenium (total)	CE127 M	mg/kg Se	1.3	1.5	1.4	1.3	1.7	1.6
Zinc (total)	CE127 M	mg/kg Zn	48	49	48	48	54	48
pH	CE004 M	units	7.9	7.8	7.6	7.4	7.5	7.6
Sulphate (2:1 water soluble)	CE049 U	mg/l SO_4	32	17	20	21	21	29
Total Organic Carbon (TOC)	CE072 M	% w/w C	2.0	1.4	1.4	1.4	1.2	1.2
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	3.4	2.4	2.4	2.5	2.1	2.1
PAH								
Naphthalene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chrysene	CE087 M	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(b)fluoranthene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(k)fluoranthene	CE087 M	mg/kg	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Benzo(a)pyrene	CE087 U	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Indeno(123cd)pyrene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(ghi)perylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
PAH (total of USEPA 16)	CE087	mg/kg	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	<1	<1	<1	<1	<1	<1
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	<1	<1	<1	<1	<1	<1

Chemtech Environmental Limited

SOILS

Lab number			87886-1	87886-2	87886-3	87886-4	87886-5	87886-6
Sample id			TS1	TS2	TS3	TS4	TS5	TS6
Depth (m)			-	-	-	-	-	-
Date sampled			30/07/2020	30/07/2020	30/07/2020	30/07/2020	30/07/2020	30/07/2020
Test	**Method**	**Units**						
VPH Aliphatic (>C5-C6)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	<4	<4	<4	<4	<4	<4
EPH Aliphatic (>C12-C16)	CE068	mg/kg	<4	<4	<4	<4	<4	<4
EPH Aliphatic (>C16-C35)	CE068	mg/kg	30	30	46	26	23	22
EPH Aliphatic (>C35-C44)	CE068	mg/kg	<10	<10	<10	<10	<10	<10
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

Chemtech Environmental Limited

METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE127	Arsenic (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg As
CE127	Cadmium (total)	Aqua regia digest, ICP-MS	Dry	M	0.2	mg/kg Cd
CE127	Chromium (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Cr
CE146	Chromium (VI)	Acid extraction, Colorimetry	Dry		1	mg/kg CrVI
CE127	Copper (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Cu
CE127	Lead (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Pb
CE127	Mercury (total)	Aqua regia digest, ICP-MS	Dry	M	0.5	mg/kg Hg
CE127	Nickel (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Ni
CE127	Selenium (total)	Aqua regia digest, ICP-MS	Dry	M	0.3	mg/kg Se
CE127	Zinc (total)	Aqua regia digest, ICP-MS	Dry	M	5	mg/kg Zn
CE004	pH	Based on BS 1377, pH Meter	As received	M	-	units
CE049	Sulphate (2:1 water soluble)	Aqueous extraction, IC-Cond	Dry	U	10	mg/l SO_4
CE072	Total Organic Carbon (TOC)	Removal of IC by acidification, Carbon Analyser	Dry	M	0.1	% w/w C
CE072	Estimate of OMC (calculated from TOC)	Calculation from Total Organic Carbon	Dry	M	0.1	% w/w
CE087	Naphthalene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Acenaphthylene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Acenaphthene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Fluorene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Phenanthrene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Anthracene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Fluoranthene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Pyrene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Benzo(a)anthracene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Chrysene	Solvent extraction, GC-MS	As received	M	0.03	mg/kg
CE087	Benzo(b)fluoranthene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Benzo(k)fluoranthene	Solvent extraction, GC-MS	As received	M	0.03	mg/kg
CE087	Benzo(a)pyrene	Solvent extraction, GC-MS	As received	U	0.02	mg/kg
CE087	Indeno(123cd)pyrene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Dibenz(ah)anthracene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	Benzo(ghi)perylene	Solvent extraction, GC-MS	As received	M	0.02	mg/kg
CE087	PAH (total of USEPA 16)	Solvent extraction, GC-MS	As received		0.34	mg/kg
CE067	VPH Aromatic (>EC5-EC7)	Headspace GC-FID	As received		0.01	mg/kg
CE067	VPH Aromatic (>EC7-EC8)	Headspace GC-FID	As received		0.01	mg/kg
CE067	VPH Aromatic (>EC8-EC10)	Headspace GC-FID	As received		0.01	mg/kg
CE068	EPH Aromatic (>EC10-EC12)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC12-EC16)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC16-EC21)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC21-EC35)	Solvent extraction, GC-FID	As received		1	mg/kg
CE068	EPH Aromatic (>EC35-EC44)	Solvent extraction, GC-FID	As received		1	mg/kg
CE067	VPH Aliphatic (>C5-C6)	Headspace GC-FID	As received		0.1	mg/kg
CE067	VPH Aliphatic (>C6-C8)	Headspace GC-FID	As received		0.1	mg/kg
CE067	VPH Aliphatic (>C8-C10)	Headspace GC-FID	As received		0.1	mg/kg
CE068	EPH Aliphatic (>C10-C12)	Solvent extraction, GC-FID	As received		4	mg/kg
CE068	EPH Aliphatic (>C12-C16)	Solvent extraction, GC-FID	As received		4	mg/kg

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE068	EPH Aliphatic (>C16-C35)	Solvent extraction, GC-FID	As received		4	mg/kg
CE068	EPH Aliphatic (>C35-C44)	Solvent extraction, GC-FID	As received		10	mg/kg
$	Asbestos (qualitative)	HSG 248, Microscopy	Dry	U	-	-

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DEVIATING SAMPLE INFORMATION

Comments
Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.
For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.
Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

N	No (not deviating sample)
Y	Yes (deviating sample)
NSD	Sampling date not provided
NST	Sampling time not provided (waters only)
EHT	Sample exceeded holding time(s)
IC	Sample not received in appropriate containers
HP	Headspace present in sample container
NCF	Sample not chemically fixed (where appropriate)
OR	Other (specify)

Lab ref	Sample id	Depth (m)	Deviating	Tests (Reason for deviation)
87886-1	TS1	-	N	
87886-2	TS2	-	N	
87886-3	TS3	-	N	
87886-4	TS4	-	N	
87886-5	TS5	-	N	
87886-6	TS6	-	N	

Photographs



PLATE 1 – DEPTH VALIDATION OF PLOT 101



PLATE 2 – SHOWING GENERAL PLACEMENT IN PLOTS 101, 103-106



PLATE 3 – SHOWING GENERAL PLACEMENT IN PLOT 103



PLATE 4 – SHOWING GENERAL PLACEMENT IN PLOT 123



PLATE 5 – DEPTH VALIDATION OF PLOT 104



PLATE 6 – DEPTH VALIDATION OF PLOT 105



PLATE 7 – DEPTH VALIDATION OF PLOT 106



PLATE 8 – DEPTH VALIDATION OF PLOT 123



PLATE 9 – DEPTH VALIDATION OF PLOT 124



PLATE 10 – DEPTH VALIDATION OF PLOT 125



PLATE 11 – DEPTH VALIDATION OF PLOT 126

Further photographs available on request.