ARP Geotechnical Limited

Windowless Sample Log

Borehole No. **WS05**

Sheet 1 of 1

Project Name: Hough Lane, Wombwell	Project No. HOO/01	Co-ords: 439086.29 - 402422.81	Date 02/06/2020
Location: Hough Lane, Wombwell, Barnsley		Level:	Scale 1:40
Client: Hoober Homes Ltd		Rig Crew: RP Drilling	Logged: AMJ

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.70 - 1.00	ES					MADE GROUND: brown slightly sandy slightly gravelly silty CLAY. Gravel is of mixed lithologies but mostly brick.
		1.00	SPT	N=7 (1,1/2,1,2,2)				
		2.00	SPT	N=2 (1,0/1,0,1,0)				
					2.20			Firm to stiff (high strength) buff and grey mottled sandy silty CLAY (RESIDUAL PMCMF).
		3.00	SPT	N=21 (4,3/3,5,6,7)				
		4.00	SPT	N=50 (8,10/12,14,16,8)	3.90			Extremely weak to very weak dull grey MUDSTONE (WEATHERED PMCMF).
					4.45			End of Borehole at 4.450m SPT refusal

1 2 3 4 5 6 7 8

Groundwater: None encountered

Backfill: Backfilled with arisings upon completion

Remarks: None

ARP Geotechnical Limited

Windowless Sample Log

Borehole No. **WS06**

Sheet 1 of 1

Project Name: Hough Lane, Wombwell	Project No. HOO/01	Co-ords: 438994.45 - 402517.69	Date 02/06/2020
Location: Hough Lane, Wombwell, Barnsley		Level:	Scale 1:40
Client: Hoober Homes Ltd		Rig Crew: RP Drilling	Logged: AMJ

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete slab with reinforcement mesh.
					0.37			
					0.50			MADE GROUND: limestone gravel.
					0.80			MADE GROUND: Dark brown gravel of mixed lithologies.
		1.00	SPT	N=9 (2,2/2,2,3,2)				MADE GROUND: Soft buff and stained dark brown gravelly slightly sandy silty CLAY. Gravel is of brick.
					1.20			
		2.00	SPT	N=13 (4,4/3,3,3,4)				Firm to stiff (medium strength) buff sandy silty CLAY (RESIDUAL PMCMF).
					2.50			
		2.70	SPT	50 (25 for 75mm/50 for 155mm)				Very weak to weak buff SANDSTONE (WEATHERED PMCMF).
					2.93			End of Borehole at 2.930m SPT refusal

Groundwater: None encountered

Backfill: Backfilled with arisings upon completion

Remarks: None

ARP Geotechnical Limited

Windowless Sample Log

Borehole No. **WS07** Sheet 1 of 1

Project Name: Hough Lane, Wombwell	Project No. HOO/01	Co-ords: 439080.33 - 402455.41	Date 03/06/2020
Location: Hough Lane, Wombwell, Barnsley		Level:	Scale 1:40
Client: Hoober Homes Ltd		Rig Crew: RP Drilling	Logged: AMJ

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.16			Concrete slab including mesh reinforcement.
		0.50 - 0.90	ES		0.50			MADE GROUND: Limestone gravel.
					0.90			MADE GROUND: light grey and brown angular gravel of mixed lithologies.
		1.00	SPT	N=7 (0,0/1,2,1,3)	1.20			MADE GROUND: (suspected reworked ground) as soft brown slightly sandy silty CLAY.
		2.00	SPT	N=18 (3,3/4,4,5,5)				Firm to stiff (high strength) buff sandy silty CLAY (RESIDUAL PMCMF).
	▼	3.00	SPT	N=40 (6,6/7,9,10,14)	3.00			Soft (very high strength) buff and grey mottled sandy silty CLAY (water strike likely to have softened clay sample that was logged) (RESIDUAL PMCMF).
		4.00	SPT	N=50 (8,8/11,13,15,11)	3.50			Extremely weak to very weak dull grey MUDSTONE (WEATHERED PMCMF).
					4.45			End of Borehole at 4.450m SPT refusal

Groundwater: Wet at 3m

Backfill: Monitoring pipework installed.

Remarks: Monitoring pipe installed. Plain pipe with bentonite surround from ground level to 1m. Slotted pipe with gravel surround from 1m to 3m.

ARP Geotechnical Limited

Windowless Sample Log

Borehole No. **WS08**

Sheet 1 of 1

Project Name: Hough Lane, Wombwell	Project No. HOO/01	Co-ords: 439145.76 - 402480.08	Date 03/06/2020
Location: Hough Lane, Wombwell, Barnsley		Level:	Scale 1:40
Client: Hoober Homes Ltd		Rig Crew: RP Drilling	Logged: AMJ

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			Concrete slab including reinforcement mesh.
					0.40			MADE GROUND: Limestone gravel.
		0.50 - 0.80	ES					MADE GROUND: Soft dark brown slightly sandy slightly gravelly silty CLAY. Gravel is of mixed lithologies.
		1.00	SPT	N=4 (1,1/1,1,1,1)	1.10			Soft very dark brown silty organic rich CLAY.
					1.20			Firm to stiff (high strength) buff sandy silty CLAY (RESIDUAL PMCMF).
		2.00	SPT	N=30 (3,2/5,5,10,10)				
					2.60			Very weak to weak buff SANDSTONE (WEATHERED PMCMF).
		2.80	SPT	50 (25 for 40mm/50 for 70mm)	2.91			End of Borehole at 2.910m SPT refusal

Groundwater: None encountered

Backfill: Backfilled with arisings upon completion

Remarks: None

ARP Geotechnical Limited

Windowless Sample Log

Borehole No. **WS09**

Sheet 1 of 1

Project Name: Hough Lane, Wombwell	Project No. HOO/01	Co-ords: 439020.70 - 402483.31	Date 03/06/2020
Location: Hough Lane, Wombwell, Barnsley		Level:	Scale 1:40
Client: Hoober Homes Ltd		Rig Crew: RP Drilling	Logged: AMJ

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			Concrete slab with reinforcement mesh
		0.40 - 0.80	ES		0.40			MADE GROUND: Limestone gravel
					0.80			MADE GROUND: gravel of brick and concrete with some sandstone.
		1.00	SPT	N=13 (2,2/3,3,3,4)	1.00			Very dark brown silty organic rich CLAY.
		2.00	SPT	N=13 (4,4/3,3,3,4)				Firm to stiff (medium strength) buff sandy silty CLAY (RESIDUAL PMCMF).
					2.70			Very stiff to hard dark brown silty CLAY.
		3.00	SPT	50 (25 for 70mm/50 for 80mm)	2.75 2.95 3.15			very stiff (medium strength) buff very sandy silty CLAY (RESIDUAL PMCMF). Very weak to weak buff SANDSTONE (WEATHERED PMCMF). End of Borehole at 3.150m SPT refusal

Groundwater: None encountered

Backfill: Backfilled with arisings upon completion

Remarks: None

ARP Geotechnical Limited

Windowless Sample Log

Borehole No. **WS10**

Sheet 1 of 1

Project Name: Hough Lane, Wombwell	Project No. HOO/01	Co-ords: 439014.52 - 402498.69	Date 03/06/2020
Location: Hough Lane, Wombwell, Barnsley		Level:	Scale 1:40
Client: Hoober Homes Ltd		Rig Crew: RP Drilling	Logged: AMJ

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20 - 0.35	ES		0.20			Concrete slab including mesh reinforcement.
					0.35			MADE GROUND: Limestone gravel.
					0.70			Soft very dark brown silty organic rich CLAY.
		1.00	SPT	N=36 (9,9/9,9,9,9)				Firm to stiff (high strength) buff sandy silty CLAY (RESIDUAL PMCMF).
		2.00	SPT	50 (11,14/50 for 125mm)	1.80			Very weak to weak buff SANDSTONE (WEATHERED PMCMF).
					2.25			End of Borehole at 2.250m SPT refusal

Groundwater: None encountered

Backfill: Backfilled with arisings upon completion

Remarks: None

ARP Geotechnical Limited

Windowless Sample Log

Borehole No. **WS11**

Sheet 1 of 1

Project Name: Hough Lane, Wombwell	Project No. HOO/01	Co-ords: 439003.34 - 402495.41	Date 03/06/2020
Location: Hough Lane, Wombwell, Barnsley		Level:	Scale 1:40
Client: Hoober Homes Ltd		Rig Crew: RP Drilling	Logged: AMJ

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.14			Concrete slab with reinforcement mesh.
					0.20			MADE GROUND: Limestone gravel.
								Firm to stiff (high strength) buff sandy silty CLAY (RESIDUAL PMCMF).
		1.00	SPT	N=25 (3,5/6,7,7,5)				
		2.00	SPT	N=49 (7,12/13,11,13,12)	2.00			Very weak to weak buff SANDSTONE (WEATHERED PMCMF).
		2.50	SPT	50 (25 for 60mm/50 for 115mm)	2.68			End of Borehole at 2.680m SPT refusal

Groundwater: None encountered

Backfill: Monitoring pipework installed.

Remarks: Monitoring pipe installed. Plain pipe with bentonite surround from ground level to 1m. Slotted pipe with gravel surround from 1m to 2.5m.

APPENDIX C

LABORATORY TEST CERTIFICATES AND SCREENING VALUES

2531

ANALYTICAL TEST REPORT

Contract no: 86520(1)

Contract name: Hough Lane, Wombwell

Client reference: Hoober Homes

Clients name: ARP Associates

Clients address: 5 & 6 Northwest Business Park
Servia Hill
Leeds
LS6 2QH

Samples received: 08 June 2020

Analysis started: 09 June 2020

Analysis completed: 25 June 2020

Report issued: 25 June 2020

This is a supplementary report to report number 86520 issued 16 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.
BTEX compounds are identified by retention time only and may include interference from co-eluting compounds.

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:

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
86520-1	TP1	0.50-0.90	Clayey Sand with Gravel	-	-	15.5
86520-2	TP1	1.00-1.30	Sandy Clay with Gravel	-	-	8.7
86520-3	TP3	0.30-0.60	Clayey Sand with Gravel	-	-	9.0
86520-4	TP4	0.00-0.20	Sandy Clay with Gravel & Roots	-	-	4.4
86520-5	TP5	1.20-1.40	Sandy Clay	-	-	17.7
86520-6	TP6	1.20-1.60	Sandy Clay with Gravel	-	-	20.2
86520-7	TP7	0.50-0.70	Sand with Gravel & Roots	-	-	6.4
86520-8	TP8	0.40-0.80	Sand with Gravel	-	-	8.2
86520-9	TP9	0.80-1.20	Sand with Gravel	-	-	11.9
86520-10	TP10	0.70-1.00	Clayey Sand with Gravel	-	-	11.1
86520-11	TP11	0.80-1.20	Clayey Sand with Gravel	-	-	18.0
86520-12	TP12	0.80-1.00	Sand with Gravel	-	-	11.4
86520-13	WS1	0.12-0.50	Sand with Gravel	-	-	5.2
86520-14	WS2	0.30-0.60	Sand with Gravel	-	-	5.8
86520-15	WS3	0.30-0.70	Sandy Clay with Gravel	-	-	8.8
86520-16	WS4	0.40.-0.80	Sandy Clay with Gravel & Roots	-	-	7.7
86520-17	WS5	0.70-1.00	Sand with Gravel	-	-	17.4
86520-18	WS6	0.50-0.80	Sand with Gravel	-	-	8.4
86520-19	WS7	0.50-0.90	Sandy Clay with Gravel	-	-	10.8
86520-20	WS8	0.50-0.90	Sandy Clay with Gravel & Roots	-	-	16.3
86520-21	WS9	0.40-0.80	Sandy Clay with Gravel	-	-	14.8
86520-22	WS10	0.20-0.35	Sand with Gravel	-	-	12.3

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SOILS

Lab number			86520-1	86520-2	86520-3	86520-4	86520-5	86520-6
Sample id			TP1	TP1	TP3	TP4	TP5	TP6
Depth (m)			0.50-0.90	1.00-1.30	0.30-0.60	0.00-0.20	1.20-1.40	1.20-1.60
Date sampled			02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	20	8.7	8.1	11	7.6	12
Cadmium (total)	CE127 M	mg/kg Cd	<0.2	<0.2	0.3	<0.2	<0.2	0.3
Chromium (total)	CE127 M	mg/kg Cr	23	25	392	84	49	93
Chromium (III)	CE208	mg/kg CrIII	23	25	392	84	49	93
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	36	16	37	23	36	28
Lead (total)	CE127 M	mg/kg Pb	55	20	89	47	20	59
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	26	28	34	33	56	34
Selenium (total)	CE127 M	mg/kg Se	1.7	1.2	1.5	1.2	3.1	1.5
Zinc (total)	CE127 M	mg/kg Zn	56	56	244	100	82	98
pH	CE004 M	units	7.7	6.5	8.2	7.0	4.8	6.3
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	71	52	86	21	59	98
Sulphate (total)	CE062 M	mg/kg SO_4	553	308	858	260	512	562
Phenols (total)	CE078	mg/kg PhOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Organic Carbon (TOC)	CE072 M	% w/w C	4.8	0.3	0.8	2.1	0.3	2.6
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	8.3	0.6	1.4	3.6	0.4	4.6
PAH								
Naphthalene	CE087 M	mg/kg	0.09	<0.02	0.05	<0.02	<0.02	0.09
Acenaphthylene	CE087 M	mg/kg	0.03	<0.02	0.02	<0.02	<0.02	0.05
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	0.04
Phenanthrene	CE087 M	mg/kg	0.18	<0.02	0.31	0.05	<0.02	0.47
Anthracene	CE087 U	mg/kg	0.04	<0.02	0.06	<0.02	<0.02	0.12
Fluoranthene	CE087 M	mg/kg	0.30	<0.02	0.58	0.11	<0.02	0.90
Pyrene	CE087 M	mg/kg	0.24	<0.02	0.48	0.10	<0.02	0.75
Benzo(a)anthracene	CE087 U	mg/kg	0.17	<0.02	0.25	0.05	<0.02	0.35
Chrysene	CE087 M	mg/kg	0.31	<0.03	0.33	0.08	<0.03	0.43
Benzo(b)fluoranthene	CE087 M	mg/kg	0.23	<0.02	0.34	0.07	<0.02	0.53
Benzo(k)fluoranthene	CE087 M	mg/kg	0.09	<0.03	0.14	<0.03	<0.03	0.20
Benzo(a)pyrene	CE087 U	mg/kg	0.20	<0.02	0.47	0.13	<0.02	0.66
Indeno(123cd)pyrene	CE087 M	mg/kg	0.27	<0.02	0.35	0.15	<0.02	0.92
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	0.07	0.03	<0.02	0.17
Benzo(ghi)perylene	CE087 M	mg/kg	0.16	<0.02	0.56	0.09	<0.02	0.83
PAH (total of USEPA 16)	CE087	mg/kg	2.28	<0.34	4.04	0.86	<0.34	6.54
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	-	-	-	-
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	-	-	-	-
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	-	-	-	-
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	-	-	-	-
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	-	-	-	-
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	-	-	-	-

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SOILS

Lab number			86520-1	86520-2	86520-3	86520-4	86520-5	86520-6
Sample id			TP1	TP1	TP3	TP4	TP5	TP6
Depth (m)			0.50-0.90	1.00-1.30	0.30-0.60	0.00-0.20	1.20-1.40	1.20-1.60
Date sampled			02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020
Test	**Method**	**Units**						
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	-	-	-	-
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	-	-	-	-
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	-	-	-	-
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	-	-	-	-
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	-	-	-	-
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	-	-	-	-
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	-	-	-	-
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	-	-	-	-
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	-	-	-	-
VPH (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH (>C10-C35)	CE033	mg/kg	8	11	28	14	<7	93
TPH (>C8-C35)	-	mg/kg	<10	11	28	14	<10	93
Volatiles								
MTBE	CE192 U	mg/kg	-	-	-	-	-	-
Benzene	CE192 U	mg/kg	-	-	-	-	-	-
Toluene	CE192 U	mg/kg	-	-	-	-	-	-
Ethylbenzene	CE192 U	mg/kg	-	-	-	-	-	-
m & p-Xylene	CE192 U	mg/kg	-	-	-	-	-	-
o-Xylene	CE192 U	mg/kg	-	-	-	-	-	-
Dichlorodifluoromethane	CE174	mg/kg	-	-	-	-	-	-
Chloromethane	CE174	mg/kg	-	-	-	-	-	-
Vinyl chloride	CE174	mg/kg	-	-	-	-	-	-
Bromomethane	CE174	mg/kg	-	-	-	-	-	-
Chloroethane	CE174	mg/kg	-	-	-	-	-	-
Trichlorofluoromethane	CE174	mg/kg	-	-	-	-	-	-
1,1-Dichloroethene	CE174	mg/kg	-	-	-	-	-	-
Trans-1,2-Dichloroethene	CE174	mg/kg	-	-	-	-	-	-
1,1-Dichloroethane	CE174	mg/kg	-	-	-	-	-	-
2,2-Dichloropropane	CE174	mg/kg	-	-	-	-	-	-
Cis-1,2-Dichloroethene	CE174	mg/kg	-	-	-	-	-	-
Bromochloromethane	CE174	mg/kg	-	-	-	-	-	-
Chloroform	CE174	mg/kg	-	-	-	-	-	-
1,1,1-Trichloroethane	CE174	mg/kg	-	-	-	-	-	-
Carbon tetrachloride	CE174	mg/kg	-	-	-	-	-	-
1,1-Dichloro-1-propene	CE174	mg/kg	-	-	-	-	-	-
1,2-Dichloroethane	CE174	mg/kg	-	-	-	-	-	-
Trichloroethene	CE174	mg/kg	-	-	-	-	-	-
1,2-Dichloropropane	CE174	mg/kg	-	-	-	-	-	-
Dibromomethane	CE174	mg/kg	-	-	-	-	-	-
Bromodichloromethane	CE174	mg/kg	-	-	-	-	-	-
cis-1,3-Dichloro-1-propene	CE174	mg/kg	-	-	-	-	-	-
trans-1,3-Dichloro-1-propene	CE174	mg/kg	-	-	-	-	-	-

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SOILS

Lab number			86520-1	86520-2	86520-3	86520-4	86520-5	86520-6
Sample id			TP1	TP1	TP3	TP4	TP5	TP6
Depth (m)			0.50-0.90	1.00-1.30	0.30-0.60	0.00-0.20	1.20-1.40	1.20-1.60
Date sampled			02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020
Test	**Method**	**Units**						
1,1,2-Trichloroethane	CE174	mg/kg	-	-	-	-	-	-
Tetrachloroethene	CE174	mg/kg	-	-	-	-	-	-
1,3-Dichloropropane	CE174	mg/kg	-	-	-	-	-	-
Dibromochloromethane	CE174	mg/kg	-	-	-	-	-	-
1,2-Dibromoethane	CE174	mg/kg	-	-	-	-	-	-
Chlorobenzene	CE174	mg/kg	-	-	-	-	-	-
1,1,1,2-Tetrachloroethane	CE174	mg/kg	-	-	-	-	-	-
Styrene	CE174	mg/kg	-	-	-	-	-	-
Tribromomethane	CE174	mg/kg	-	-	-	-	-	-
Isopropylbenzene	CE174	mg/kg	-	-	-	-	-	-
Bromobenzene	CE174	mg/kg	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	CE174	mg/kg	-	-	-	-	-	-
1,2,3-Trichloropropane	CE174	mg/kg	-	-	-	-	-	-
Propylbenzene	CE174	mg/kg	-	-	-	-	-	-
2-Chlorotoluene	CE174	mg/kg	-	-	-	-	-	-
4-Chlorotoluene	CE174	mg/kg	-	-	-	-	-	-
1,3,5-Trimethylbenzene	CE174	mg/kg	-	-	-	-	-	-
tert-Butylbenzene	CE174	mg/kg	-	-	-	-	-	-
1,2,4-Trimethylbenzene	CE174	mg/kg	-	-	-	-	-	-
sec-Butylbenzene	CE174	mg/kg	-	-	-	-	-	-
1,3-Dichlorobenzene	CE174	mg/kg	-	-	-	-	-	-
4-Isopropyltoluene	CE174	mg/kg	-	-	-	-	-	-
1,4-Dichlorobenzene	CE174	mg/kg	-	-	-	-	-	-
1,2-Dichlorobenzene	CE174	mg/kg	-	-	-	-	-	-
Butylbenzene	CE174	mg/kg	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	CE174	mg/kg	-	-	-	-	-	-
1,2,4-Trichlorobenzene	CE174	mg/kg	-	-	-	-	-	-
Hexachloro-1,3-butadiene	CE174	mg/kg	-	-	-	-	-	-
1,2,3-Trichlorobenzene	CE174	mg/kg	-	-	-	-	-	-
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	-	-	-	-	-	-
Phenol	CE189	mg/kg	-	-	-	-	-	-
Bis(2-chloroethyl)ether	CE189	mg/kg	-	-	-	-	-	-
2-Chlorophenol	CE189	mg/kg	-	-	-	-	-	-
1,3-Dichlorobenzene	CE189	mg/kg	-	-	-	-	-	-
1,4-Dichlorobenzene	CE189	mg/kg	-	-	-	-	-	-
2-Methylphenol	CE189	mg/kg	-	-	-	-	-	-
1,2-Dichlorobenzene	CE189	mg/kg	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	CE189	mg/kg	-	-	-	-	-	-
3&4-Methylphenol	CE189	mg/kg	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	CE189	mg/kg	-	-	-	-	-	-
Hexachloroethane	CE189	mg/kg	-	-	-	-	-	-

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SOILS

Lab number			86520-1	86520-2	86520-3	86520-4	86520-5	86520-6
Sample id			TP1	TP1	TP3	TP4	TP5	TP6
Depth (m)			0.50-0.90	1.00-1.30	0.30-0.60	0.00-0.20	1.20-1.40	1.20-1.60
Date sampled			02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020
Test	**Method**	**Units**						
Nitrobenzene	CE189	mg/kg	-	-	-	-	-	-
Isophorone	CE189	mg/kg	-	-	-	-	-	-
2,4-Dimethylphenol	CE189	mg/kg	-	-	-	-	-	-
2-Nitrophenol	CE189	mg/kg	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	CE189	mg/kg	-	-	-	-	-	-
2,4-Dichlorophenol	CE189	mg/kg	-	-	-	-	-	-
1,2,4-Trichlorobenzene	CE189	mg/kg	-	-	-	-	-	-
4-Chloroaniline	CE189	mg/kg	-	-	-	-	-	-
Hexachlorobutadiene	CE189	mg/kg	-	-	-	-	-	-
4-Chloro-3-methylphenol	CE189	mg/kg	-	-	-	-	-	-
2-Methylnaphthalene	CE189	mg/kg	-	-	-	-	-	-
1-Methylnaphthalene	CE189	mg/kg	-	-	-	-	-	-
Hexachlorocyclopentadiene	CE189	mg/kg	-	-	-	-	-	-
2,4,6-Trichlorophenol	CE189	mg/kg	-	-	-	-	-	-
2,4,5-Trichlorophenol	CE189	mg/kg	-	-	-	-	-	-
2-Chloronaphthalene	CE189	mg/kg	-	-	-	-	-	-
2-Nitroaniline	CE189	mg/kg	-	-	-	-	-	-
Dimethyl phthalate	CE189	mg/kg	-	-	-	-	-	-
2,6-Dinitrotoluene	CE189	mg/kg	-	-	-	-	-	-
3-Nitroaniline	CE189	mg/kg	-	-	-	-	-	-
2,4-Dinitrophenol	CE189	mg/kg	-	-	-	-	-	-
4-Nitrophenol	CE189	mg/kg	-	-	-	-	-	-
2,4-Dinitrotoluene	CE189	mg/kg	-	-	-	-	-	-
Dibenzofuran	CE189	mg/kg	-	-	-	-	-	-
Diethyl phthalate	CE189	mg/kg	-	-	-	-	-	-
4-Chlorophenylphenyl ether	CE189	mg/kg	-	-	-	-	-	-
4-Nitroaniline	CE189	mg/kg	-	-	-	-	-	-
2-Methyl-4,6-dinitrophenol	CE189	mg/kg	-	-	-	-	-	-
Azobenzene	CE189	mg/kg	-	-	-	-	-	-
4-Bromophenylphenyl ether	CE189	mg/kg	-	-	-	-	-	-
Hexachlorobenzene	CE189	mg/kg	-	-	-	-	-	-
Pentachlorophenol	CE189	mg/kg	-	-	-	-	-	-
Carbazole	CE189	mg/kg	-	-	-	-	-	-
Di-n-butyl phthalate	CE189	mg/kg	-	-	-	-	-	-
Butylbenzyl phthalate	CE189	mg/kg	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	CE189	mg/kg	-	-	-	-	-	-
Di-n-octyl phthalate	CE189	mg/kg	-	-	-	-	-	-
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

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SOILS

Lab number			86520-7	86520-8	86520-9	86520-10	86520-11	86520-12
Sample id			TP7	TP8	TP9	TP10	TP11	TP12
Depth (m)			0.50-0.70	0.40-0.80	0.80-1.20	0.70-1.00	0.80-1.20	0.80-1.00
Date sampled			02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	4.7	7.9	18	15	16	14
Cadmium (total)	CE127 M	mg/kg Cd	0.3	<0.2	1.2	1.3	1.4	0.4
Chromium (total)	CE127 M	mg/kg Cr	28	31	129	156	147	39
Chromium (III)	CE208	mg/kg CrIII	28	31	129	156	147	39
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	12	17	132	116	151	52
Lead (total)	CE127 M	mg/kg Pb	16	21	336	121	134	73
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	14	49	53	33	59	21
Selenium (total)	CE127 M	mg/kg Se	1.1	1.5	1.8	1.6	1.9	3.1
Zinc (total)	CE127 M	mg/kg Zn	57	51	805	423	464	194
pH	CE004 M	units	9.1	7.0	8.1	8.1	8.0	10.5
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	67	89	101	67	194	143
Sulphate (total)	CE062 M	mg/kg SO_4	505	382	894	644	1616	4042
Phenols (total)	CE078	mg/kg PhOH	<0.5	<0.5	13	<0.5	1.2	<0.5
Total Organic Carbon (TOC)	CE072 M	% w/w C	0.9	0.2	6.0	4.2	3.2	1.0
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	1.6	0.3	10.4	7.2	5.5	1.7
PAH								
Naphthalene	CE087 M	mg/kg	<0.02	<0.02	0.95	0.09	0.33	1.67
Acenaphthylene	CE087 M	mg/kg	<0.02	<0.02	<0.02	0.09	0.21	3.46
Acenaphthene	CE087 M	mg/kg	<0.02	<0.02	<0.02	0.14	0.12	3.54
Fluorene	CE087 U	mg/kg	<0.02	<0.02	2.90	0.11	0.18	3.87
Phenanthrene	CE087 M	mg/kg	0.03	<0.02	6.51	2.48	2.55	31.28
Anthracene	CE087 U	mg/kg	<0.02	<0.02	2.46	0.88	0.62	17.36
Fluoranthene	CE087 M	mg/kg	<0.02	<0.02	7.51	5.69	6.01	83.28
Pyrene	CE087 M	mg/kg	<0.02	<0.02	6.92	5.07	5.10	86.46
Benzo(a)anthracene	CE087 U	mg/kg	<0.02	<0.02	3.81	2.91	2.64	37.49
Chrysene	CE087 M	mg/kg	<0.03	<0.03	3.81	3.30	3.38	35.22
Benzo(b)fluoranthene	CE087 M	mg/kg	<0.02	<0.02	6.66	5.74	3.39	25.12
Benzo(k)fluoranthene	CE087 M	mg/kg	<0.03	<0.03	2.51	2.43	1.33	11.71
Benzo(a)pyrene	CE087 U	mg/kg	0.02	<0.02	6.62	4.75	5.27	82.58
Indeno(123cd)pyrene	CE087 M	mg/kg	<0.02	<0.02	6.60	3.88	4.04	53.16
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	1.19	0.68	0.67	10.52
Benzo(ghi)perylene	CE087 M	mg/kg	<0.02	<0.02	6.42	3.54	2.87	42.53
PAH (total of USEPA 16)	CE087	mg/kg	<0.34	<0.34	64.9	41.8	38.7	529
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	<0.01	-	-	<0.01
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	<0.01	-	-	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	0.12	-	-	<0.01
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	2	-	-	3
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	10	-	-	8
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	28	-	-	221

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Lab number			86520-7	86520-8	86520-9	86520-10	86520-11	86520-12
Sample id			TP7	TP8	TP9	TP10	TP11	TP12
Depth (m)			0.50-0.70	0.40-0.80	0.80-1.20	0.70-1.00	0.80-1.20	0.80-1.00
Date sampled			02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020
Test	**Method**	**Units**						
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	33	-	-	255
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	7	-	-	44
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	<0.1	-	-	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	0.2	-	-	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	3.0	-	-	<0.1
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	402	-	-	12
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	2427	-	-	96
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	4641	-	-	587
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	510	-	-	270
VPH (>C8-C10)	CE067	mg/kg	<0.1	<0.1	3.2	<0.1	<0.1	<0.1
EPH (>C10-C35)	CE033	mg/kg	<7	<7	7497	126	767	1182
TPH (>C8-C35)	-	mg/kg	<10	<10	7500	126	767	1182
Volatiles								
MTBE	CE192 U	mg/kg	-	-	-	-	<0.02	-
Benzene	CE192 U	mg/kg	-	-	-	-	<0.01	-
Toluene	CE192 U	mg/kg	-	-	-	-	<0.01	-
Ethylbenzene	CE192 U	mg/kg	-	-	-	-	<0.01	-
m & p-Xylene	CE192 U	mg/kg	-	-	-	-	<0.02	-
o-Xylene	CE192 U	mg/kg	-	-	-	-	<0.01	-
Dichlorodifluoromethane	CE174	mg/kg	-	-	-	-	<0.01	-
Chloromethane	CE174	mg/kg	-	-	-	-	<0.01	-
Vinyl chloride	CE174	mg/kg	-	-	-	-	<0.01	-
Bromomethane	CE174	mg/kg	-	-	-	-	<0.03	-
Chloroethane	CE174	mg/kg	-	-	-	-	<0.01	-
Trichlorofluoromethane	CE174	mg/kg	-	-	-	-	<0.01	-
1,1-Dichloroethene	CE174	mg/kg	-	-	-	-	<0.01	-
Trans-1,2-Dichloroethene	CE174	mg/kg	-	-	-	-	<0.01	-
1,1-Dichloroethane	CE174	mg/kg	-	-	-	-	<0.01	-
2,2-Dichloropropane	CE174	mg/kg	-	-	-	-	<0.01	-
Cis-1,2-Dichloroethene	CE174	mg/kg	-	-	-	-	<0.01	-
Bromochloromethane	CE174	mg/kg	-	-	-	-	<0.01	-
Chloroform	CE174	mg/kg	-	-	-	-	<0.01	-
1,1,1-Trichloroethane	CE174	mg/kg	-	-	-	-	<0.01	-
Carbon tetrachloride	CE174	mg/kg	-	-	-	-	<0.01	-
1,1-Dichloro-1-propene	CE174	mg/kg	-	-	-	-	<0.01	-
1,2-Dichloroethane	CE174	mg/kg	-	-	-	-	<0.01	-
Trichloroethene	CE174	mg/kg	-	-	-	-	<0.01	-
1,2-Dichloropropane	CE174	mg/kg	-	-	-	-	<0.01	-
Dibromomethane	CE174	mg/kg	-	-	-	-	<0.01	-
Bromodichloromethane	CE174	mg/kg	-	-	-	-	<0.01	-
cis-1,3-Dichloro-1-propene	CE174	mg/kg	-	-	-	-	<0.01	-
trans-1,3-Dichloro-1-propene	CE174	mg/kg	-	-	-	-	<0.01	-

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Lab number			86520-7	86520-8	86520-9	86520-10	86520-11	86520-12
Sample id			TP7	TP8	TP9	TP10	TP11	TP12
Depth (m)			0.50-0.70	0.40-0.80	0.80-1.20	0.70-1.00	0.80-1.20	0.80-1.00
Date sampled			02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020
Test	**Method**	**Units**						
1,1,2-Trichloroethane	CE174	mg/kg	-	-	-	-	<0.01	-
Tetrachloroethene	CE174	mg/kg	-	-	-	-	<0.01	-
1,3-Dichloropropane	CE174	mg/kg	-	-	-	-	<0.01	-
Dibromochloromethane	CE174	mg/kg	-	-	-	-	<0.01	-
1,2-Dibromoethane	CE174	mg/kg	-	-	-	-	<0.01	-
Chlorobenzene	CE174	mg/kg	-	-	-	-	<0.01	-
1,1,1,2-Tetrachloroethane	CE174	mg/kg	-	-	-	-	<0.01	-
Styrene	CE174	mg/kg	-	-	-	-	<0.01	-
Tribromomethane	CE174	mg/kg	-	-	-	-	<0.01	-
Isopropylbenzene	CE174	mg/kg	-	-	-	-	<0.01	-
Bromobenzene	CE174	mg/kg	-	-	-	-	<0.01	-
1,1,2,2-Tetrachloroethane	CE174	mg/kg	-	-	-	-	<0.01	-
1,2,3-Trichloropropane	CE174	mg/kg	-	-	-	-	<0.01	-
Propylbenzene	CE174	mg/kg	-	-	-	-	<0.01	-
2-Chlorotoluene	CE174	mg/kg	-	-	-	-	<0.01	-
4-Chlorotoluene	CE174	mg/kg	-	-	-	-	<0.01	-
1,3,5-Trimethylbenzene	CE174	mg/kg	-	-	-	-	<0.01	-
tert-Butylbenzene	CE174	mg/kg	-	-	-	-	<0.01	-
1,2,4-Trimethylbenzene	CE174	mg/kg	-	-	-	-	<0.01	-
sec-Butylbenzene	CE174	mg/kg	-	-	-	-	<0.01	-
1,3-Dichlorobenzene	CE174	mg/kg	-	-	-	-	<0.01	-
4-Isopropyltoluene	CE174	mg/kg	-	-	-	-	<0.01	-
1,4-Dichlorobenzene	CE174	mg/kg	-	-	-	-	<0.01	-
1,2-Dichlorobenzene	CE174	mg/kg	-	-	-	-	<0.01	-
Butylbenzene	CE174	mg/kg	-	-	-	-	<0.01	-
1,2-Dibromo-3-chloropropane	CE174	mg/kg	-	-	-	-	<0.01	-
1,2,4-Trichlorobenzene	CE174	mg/kg	-	-	-	-	<0.01	-
Hexachloro-1,3-butadiene	CE174	mg/kg	-	-	-	-	<0.01	-
1,2,3-Trichlorobenzene	CE174	mg/kg	-	-	-	-	<0.01	-
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	-	-	-	-	<0.1	-
Phenol	CE189	mg/kg	-	-	-	-	<0.1	-
Bis(2-chloroethyl)ether	CE189	mg/kg	-	-	-	-	<0.1	-
2-Chlorophenol	CE189	mg/kg	-	-	-	-	<0.1	-
1,3-Dichlorobenzene	CE189	mg/kg	-	-	-	-	<0.1	-
1,4-Dichlorobenzene	CE189	mg/kg	-	-	-	-	<0.1	-
2-Methylphenol	CE189	mg/kg	-	-	-	-	<0.1	-
1,2-Dichlorobenzene	CE189	mg/kg	-	-	-	-	<0.1	-
Bis(2-chloroisopropyl)ether	CE189	mg/kg	-	-	-	-	<0.1	-
3&4-Methylphenol	CE189	mg/kg	-	-	-	-	<0.1	-
N-Nitrosodi-n-propylamine	CE189	mg/kg	-	-	-	-	<0.1	-
Hexachloroethane	CE189	mg/kg	-	-	-	-	<0.1	-

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Lab number			86520-7	86520-8	86520-9	86520-10	86520-11	86520-12
Sample id			TP7	TP8	TP9	TP10	TP11	TP12
Depth (m)			0.50-0.70	0.40-0.80	0.80-1.20	0.70-1.00	0.80-1.20	0.80-1.00
Date sampled			02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020
Test	**Method**	**Units**						
Nitrobenzene	CE189	mg/kg	-	-	-	-	<0.1	-
Isophorone	CE189	mg/kg	-	-	-	-	<0.1	-
2,4-Dimethylphenol	CE189	mg/kg	-	-	-	-	<0.1	-
2-Nitrophenol	CE189	mg/kg	-	-	-	-	<0.1	-
Bis(2-chloroethoxy)methane	CE189	mg/kg	-	-	-	-	<0.1	-
2,4-Dichlorophenol	CE189	mg/kg	-	-	-	-	<0.1	-
1,2,4-Trichlorobenzene	CE189	mg/kg	-	-	-	-	<0.1	-
4-Chloroaniline	CE189	mg/kg	-	-	-	-	<0.1	-
Hexachlorobutadiene	CE189	mg/kg	-	-	-	-	<0.1	-
4-Chloro-3-methylphenol	CE189	mg/kg	-	-	-	-	<0.1	-
2-Methylnaphthalene	CE189	mg/kg	-	-	-	-	<0.1	-
1-Methylnaphthalene	CE189	mg/kg	-	-	-	-	<0.1	-
Hexachlorocyclopentadiene	CE189	mg/kg	-	-	-	-	<0.1	-
2,4,6-Trichlorophenol	CE189	mg/kg	-	-	-	-	<0.1	-
2,4,5-Trichlorophenol	CE189	mg/kg	-	-	-	-	<0.1	-
2-Chloronaphthalene	CE189	mg/kg	-	-	-	-	<0.1	-
2-Nitroaniline	CE189	mg/kg	-	-	-	-	<0.1	-
Dimethyl phthalate	CE189	mg/kg	-	-	-	-	<0.1	-
2,6-Dinitrotoluene	CE189	mg/kg	-	-	-	-	<0.1	-
3-Nitroaniline	CE189	mg/kg	-	-	-	-	<0.1	-
2,4-Dinitrophenol	CE189	mg/kg	-	-	-	-	<0.1	-
4-Nitrophenol	CE189	mg/kg	-	-	-	-	<0.1	-
2,4-Dinitrotoluene	CE189	mg/kg	-	-	-	-	<0.1	-
Dibenzofuran	CE189	mg/kg	-	-	-	-	<0.1	-
Diethyl phthalate	CE189	mg/kg	-	-	-	-	<0.1	-
4-Chlorophenylphenyl ether	CE189	mg/kg	-	-	-	-	<0.1	-
4-Nitroaniline	CE189	mg/kg	-	-	-	-	<0.1	-
2-Methyl-4,6-dinitrophenol	CE189	mg/kg	-	-	-	-	<0.1	-
Azobenzene	CE189	mg/kg	-	-	-	-	<0.1	-
4-Bromophenylphenyl ether	CE189	mg/kg	-	-	-	-	<0.1	-
Hexachlorobenzene	CE189	mg/kg	-	-	-	-	<0.1	-
Pentachlorophenol	CE189	mg/kg	-	-	-	-	<0.1	-
Carbazole	CE189	mg/kg	-	-	-	-	<0.1	-
Di-n-butyl phthalate	CE189	mg/kg	-	-	-	-	<0.1	-
Butylbenzyl phthalate	CE189	mg/kg	-	-	-	-	<0.1	-
Bis(2-ethylhexyl)phthalate	CE189	mg/kg	-	-	-	-	<0.1	-
Di-n-octyl phthalate	CE189	mg/kg	-	-	-	-	<0.1	-
Subcontracted analysis								
Asbestos (qualitative)	$	-	NAD	NAD	NAD	NAD	NAD	NAD

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Lab number			86520-13	86520-14	86520-15	86520-16	86520-17	86520-18
Sample id			WS1	WS2	WS3	WS4	WS5	WS6
Depth (m)			0.12-0.50	0.30-0.60	0.30-0.70	0.40.-0.80	0.70-1.00	0.50-0.80
Date sampled			02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020
Test	**Method**	**Units**						
Arsenic (total)	CE127 M	mg/kg As	4.4	11	13	10	25	10
Cadmium (total)	CE127 M	mg/kg Cd	0.2	0.7	<0.2	0.2	<0.2	<0.2
Chromium (total)	CE127 M	mg/kg Cr	9.3	21	27	22	16	15
Chromium (III)	CE208	mg/kg CrIII	9.3	21	27	22	16	15
Chromium (VI)	CE146	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 M	mg/kg Cu	9.1	57	28	20	54	22
Lead (total)	CE127 M	mg/kg Pb	16	95	23	22	24	163
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	26	40	35	47	23
Selenium (total)	CE127 M	mg/kg Se	0.7	1.2	2.4	1.7	5.2	2.8
Zinc (total)	CE127 M	mg/kg Zn	18	177	144	44	7.1	41
pH	CE004 M	units	8.9	8.6	8.6	7.5	7.8	8.2
Sulphate (2:1 water soluble)	CE061 M	mg/l SO_4	27	49	41	19	38	16
Sulphate (total)	CE062 M	mg/kg SO_4	599	826	984	1540	12946	1642
Phenols (total)	CE078	mg/kg PhOH	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Organic Carbon (TOC)	CE072 M	% w/w C	1.2	4.1	0.9	0.7	15.4	3.5
Estimate of OMC (calculated from TOC)	CE072 M	% w/w	2.1	7.1	1.6	1.1	26.5	6.1
PAH								
Naphthalene	CE087 M	mg/kg	<0.02	0.06	0.08	0.06	1.75	0.15
Acenaphthylene	CE087 M	mg/kg	<0.02	0.04	0.16	0.03	6.25	0.17
Acenaphthene	CE087 M	mg/kg	<0.02	<0.02	0.46	0.07	0.46	0.05
Fluorene	CE087 U	mg/kg	<0.02	0.03	0.23	0.04	0.86	0.06
Phenanthrene	CE087 M	mg/kg	0.02	0.32	3.26	0.83	9.43	0.82
Anthracene	CE087 U	mg/kg	<0.02	0.11	1.22	0.12	15.75	0.51
Fluoranthene	CE087 M	mg/kg	0.02	0.82	16.00	2.15	171.66	3.65
Pyrene	CE087 M	mg/kg	0.03	0.66	15.49	1.83	178.38	3.34
Benzo(a)anthracene	CE087 U	mg/kg	<0.02	0.36	11.38	0.79	124.11	1.41
Chrysene	CE087 M	mg/kg	<0.03	0.40	11.55	0.98	103.09	1.54
Benzo(b)fluoranthene	CE087 M	mg/kg	<0.02	0.54	20.02	1.14	105.99	3.46
Benzo(k)fluoranthene	CE087 M	mg/kg	<0.03	0.18	7.66	0.46	40.91	1.16
Benzo(a)pyrene	CE087 U	mg/kg	0.04	0.67	36.71	1.38	183.69	2.95
Indeno(123cd)pyrene	CE087 M	mg/kg	<0.02	0.48	46.04	1.02	125.18	2.89
Dibenz(ah)anthracene	CE087 M	mg/kg	<0.02	<0.02	4.89	0.13	29.60	0.64
Benzo(ghi)perylene	CE087 M	mg/kg	0.04	0.76	26.29	1.54	101.13	2.58
PAH (total of USEPA 16)	CE087	mg/kg	<0.34	5.41	201	12.6	1198	25.4
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	-	-	-	-
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	-	-	-	-
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	-	-	-	-
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	-	-	-	-
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	-	-	-	-
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	-	-	-	-

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Lab number			86520-13	86520-14	86520-15	86520-16	86520-17	86520-18
Sample id			WS1	WS2	WS3	WS4	WS5	WS6
Depth (m)			0.12-0.50	0.30-0.60	0.30-0.70	0.40.-0.80	0.70-1.00	0.50-0.80
Date sampled			02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020	02/06/2020
Test	**Method**	**Units**						
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	-	-	-	-
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	-	-	-	-
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	-	-	-	-
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	-	-	-	-
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	-	-	-	-
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	-	-	-	-
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	-	-	-	-
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	-	-	-	-
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	-	-	-	-
VPH (>C8-C10)	CE067	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
EPH (>C10-C35)	CE033	mg/kg	<7	78	198	9	2827	212
TPH (>C8-C35)	-	mg/kg	<10	78	198	<10	2827	212
Volatiles								
MTBE	CE192 U	mg/kg	-	-	-	-	-	-
Benzene	CE192 U	mg/kg	-	-	-	-	-	-
Toluene	CE192 U	mg/kg	-	-	-	-	-	-
Ethylbenzene	CE192 U	mg/kg	-	-	-	-	-	-
m & p-Xylene	CE192 U	mg/kg	-	-	-	-	-	-
o-Xylene	CE192 U	mg/kg	-	-	-	-	-	-
Dichlorodifluoromethane	CE174	mg/kg	-	-	-	-	-	-
Chloromethane	CE174	mg/kg	-	-	-	-	-	-
Vinyl chloride	CE174	mg/kg	-	-	-	-	-	-
Bromomethane	CE174	mg/kg	-	-	-	-	-	-
Chloroethane	CE174	mg/kg	-	-	-	-	-	-
Trichlorofluoromethane	CE174	mg/kg	-	-	-	-	-	-
1,1-Dichloroethene	CE174	mg/kg	-	-	-	-	-	-
Trans-1,2-Dichloroethene	CE174	mg/kg	-	-	-	-	-	-
1,1-Dichloroethane	CE174	mg/kg	-	-	-	-	-	-
2,2-Dichloropropane	CE174	mg/kg	-	-	-	-	-	-
Cis-1,2-Dichloroethene	CE174	mg/kg	-	-	-	-	-	-
Bromochloromethane	CE174	mg/kg	-	-	-	-	-	-
Chloroform	CE174	mg/kg	-	-	-	-	-	-
1,1,1-Trichloroethane	CE174	mg/kg	-	-	-	-	-	-
Carbon tetrachloride	CE174	mg/kg	-	-	-	-	-	-
1,1-Dichloro-1-propene	CE174	mg/kg	-	-	-	-	-	-
1,2-Dichloroethane	CE174	mg/kg	-	-	-	-	-	-
Trichloroethene	CE174	mg/kg	-	-	-	-	-	-
1,2-Dichloropropane	CE174	mg/kg	-	-	-	-	-	-
Dibromomethane	CE174	mg/kg	-	-	-	-	-	-
Bromodichloromethane	CE174	mg/kg	-	-	-	-	-	-
cis-1,3-Dichloro-1-propene	CE174	mg/kg	-	-	-	-	-	-
trans-1,3-Dichloro-1-propene	CE174	mg/kg	-	-	-	-	-	-