

SITE NAME/CONTRACT: 1 Commercial Street, Knott Mill, Manchester M15 4PZ

SCALE: NTS

TITLE: TP3 Photograph

DATE: April 2021



THE LAND CONSULTANCY LIMITED

Fairweather House, 4 Parker Lane, Whitestake, Preston PR4 4JX

Tel: 01772 610609; M: 07771 800859

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**TP3
PHOTOGRAPH**

SITE NAME/CONTRACT: 1 Commercial Street, Knott Mill, Manchester M15 4PZ

SCALE: NTS

TITLE: TP3 Photographs

DATE: April 2021



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**TP3
PHOTOGRAPHS**

THE LAND CONSULTANCY LIMITED				The Land Consultancy Limited T: 01772 610609; M: 07771 800859 email: sfknott@thelandconsultancy.co.uk web: www.thelandconsultancy.co.uk		Trial Pit No TP4 Sheet 1 of 1	
Project Name Commercial Street, Manchester M15 4PZ			Project No. TLC1143		Coords: E: N: Level (m AOD):		Date 29/04/2021
Location: Commercial Street, Manchester M15 4PZ					Dimensions (m) Depth 1.90 0.60		Scale 1:10
Client: Infill Developments Ltd							Logged By S.F.Knott
Samples and In-Situ Tests			Depth (m)	Level (m OD)	Legend	Stratum Description	
Depth (m)	Type	Results (kPa)					
0.25	ES		0.10			1cm of quartzite gravel over TARMAC. (MADE GROUND)	
			0.60		Very compact black very gravelly SAND with high cobble and boulder content. Sand is contain some ash. Gravel is fine to coarse angular of cinder, brick, sandstone, occasional slate and pottery. Occasional fragments of polythene recovered. Cobbles and boulders are of sandstone and brick. Deposit becomes increasing ash and cinder rich towards base. (MADE GROUND)0.25m - PID test carried out = 1.5ppm.		
0.70	ES	Firm brown sandy slightly gravelly CLAY. Gravel is fine to coarse subrounded to angular off sandstone, coal and brick. Occasional brick cobble noted. (MADE GROUND)0.70m - PID test carried out = 2.0ppm. >0.80m - Soft very sandy and slightly gravelly. 1.20m - PID test carried out = 1.7ppm.					
		1.80			ES	1.70	
			1.90			Trial Pit Complete at 1.900m	
Remarks: Good stability. Excavated using a JCB 3CX Sitemaster. Trial pit was backfilled with compacted excavated arisings on completion. Recovered soils were logged by Dr Stephen Knott of The Land Consultancy Ltd to BS5930 2015							
Groundwater: No groundwater encountered.							

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**TP4
PHOTOGRAPH**

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SCALE: NTS

TITLE: TP4 Photographs

DATE: April 2021



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**TP4
PHOTOGRAPHS**

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Project Name Commercial Street, Manchester M15 4PZ			Project No. TLC1143		Coords: E: N: Level (m AOD):		Date 29/04/2021		
Location: Commercial Street, Manchester M15 4PZ					Dimensions (m) Depth 2.20 0.60 2.60			Scale 1:10	
Client: Infill Developments Ltd								Logged By S.F.Knott	
Samples and In-Situ Tests			Depth (m)	Level (m OD)	Legend	Stratum Description			
Depth (m)	Type	Results (kPa)							
0.40	ES		0.08			2cm layer of quartzite gravel over TARMAC. (MADE GROUND)			
						Compact dark grey/black very gravelly SAND with low cobble content. Sand is ash rich. Gravel is fine to coarse angular of cinder and occasional brick. Cobbles are of brick. (MADE GROUND)			
						Moderately compact brown and dark grey very gravelly SAND with high cobble and boulder content. Gravel is fine to coarse angular. Gravel, cobbles and boulders are of brick and sandstone. (MADE GROUND)			
						0.40m - PID test carried out = 1.4ppm.			
0.75	ES		0.60			Soft to firm brown sandy slightly gravelly CLAY. Gravel is fine to coarse of sandstone. (MADE GROUND)			
						0.75m - PID test carried out = 2.8ppm.			
						Reddish brown slightly silty gravelly SAND. Gravel is fine to coarse angular of extremely weak reddish brown sandstone. (MADE GROUND - Reworked weathered Sherwood Sandstone)			
1.40	ES		0.90			Pale yellowish brown gravelly SAND. Gravel is fine to coarse subrounded to subangular of sandstone. (MADE GROUND - Reworked natural strata).			
						1.20m - PID test carried out = 2.2ppm			
						Dark grey clayey gravelly SAND. Gravel is fine to coarse angular of sandstone, coal and rare brick. (MADE GROUND)			
						1.40m - PID test carried out = 2.0ppm.			
			1.35						
			1.80			Soft brown very sandy slightly gravelly CLAY. Gravel is fine and medium angular of coal. (Natural Strata?)			
1									
2									
Remarks: Good stability. Excavated using a JCB 3CX Sitemaster. Trial pit was backfilled with compacted excavated arisings on completion. Recovered soils were logged by Dr Stephen Knott of The Land Consultancy Ltd to BS5930 2015									
Groundwater: No groundwater encountered									

Trial Pit No
TP5
Sheet 2 of 2

Date
29/04/2021

Scale
1:10

Logged By
S.F.Knott

Samples and In-Situ Tests			Depth (m)	Level (m OD)	Legend	Stratum Description
Depth (m)	Type	Results (kPa)				
			2.20		2.00m - PID test carried out - 2.0ppm.	
					Trial Pit Complete at 2.200m	

Groundwater: No groundwater encountered

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**TP5
PHOTOGRAPH**

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SCALE: NTS

TITLE: TP5 Photographs

DATE: April 2021



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**TP5
PHOTOGRAPHS**

THE LAND CONSULTANCY LIMITED				The Land Consultancy Limited T: 01772 610609; M: 07771 800859 email: sfknott@thelandconsultancy.co.uk web: www.thelandconsultancy.co.uk		Trial Pit No TP6 Sheet 1 of 1	
Project Name Commercial Street, Manchester M15 4PZ			Project No. TLC1143		Coords: E: N: Level (m AOD):		Date 29/04/2021
Location: Commercial Street, Manchester M15 4PZ				Dimensions (m) Depth 1.80 0.60		Scale 1:10	
Client: Infill Developments Ltd						Logged By S.F.Knott	
Samples and In-Situ Tests			Depth (m)	Level (m OD)	Legend	Stratum Description	
Depth (m)	Type	Results (kPa)					
0.20	ES		0.08			Quartzite gravel over TARMAC. (MADE GROUND)	
						Compact black very gravelly SAND with high cobble and boulder content. Sand is ash rich. Gravel is fine to coarse angular of cinder, sandstone, brick and occasional pottery. Cobbles and boulders are of brick and sandstone. Occasional rusted iron fragments recovered. Brick wall encountered in north face of pit - base not proven due to pit stability fears adjacent to road. (MADE GROUND)0.20m - PID test carried out = 1.8ppm	
0.90	ES					>0.50m - Slightly ashy to ashy. Cinder gravel rare.	
						0.70m - 1m sized sandstone boulder recovered.	
						0.90m - PID test carried out = 1.3ppm.	
						>1.00m - Low cobble and boulder content.	
1.80	ES		1.80			1.30m - PID test carried out = 1.1ppm.	
						Trial Pit Complete at 1.800m	
2							
Remarks: Good stability. Brick wall encountered to 1.80m (base not proven). Excavated using a JCB 3CX Sitemaster. Trial pit was backfilled with compacted excavated arisings on completion. Recovered soils were logged by Dr Stephen Knott of The Land Consultancy Ltd to BS5930 2015							
Groundwater: No groundwater encountered							

SITE NAME/CONTRACT: 1 Commercial Street, Knott Mill, Manchester M15 4PZ

SCALE: NTS

TITLE: TP6 Photograph

DATE: April 2021



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**TP6
PHOTOGRAPH**

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SCALE: NTS

TITLE: TP6 Photographs

DATE: April 2021



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**TP6
PHOTOGRAPHS**

THE LAND CONSULTANCY LIMITED				The Land Consultancy Limited T: 01772 610609; M: 07771 800859 email: sfknott@thelandconsultancy.co.uk web: www.thelandconsultancy.co.uk		Trial Pit No TP7 Sheet 1 of 1	
Project Name Commercial Street, Manchester M15 4PZ			Project No. TLC1143		Coords: E: N: Level (m AOD):		Date 29/04/2021
Location: Commercial Street, Manchester M15 4PZ				Dimensions (m) Depth 1.80 0.60		Scale 1:10	
Client: Infill Developments Ltd						Logged By S.F.Knott	
Samples and In-Situ Tests			Depth (m)	Level (m OD)	Legend	Stratum Description	
Depth (m)	Type	Results (kPa)					
0.25	ES		0.05			Quartzite GRAVEL. (MADE GROUND)	
						TARMAC. (MADE GROUND)	
0.65	ES		0.15			Compact black gravelly SAND with low to medium cobble content. Sand is slightly ashy. Gravel is fine to coarse angular of brick, sandstone, occasional pot drain pipe, cinder and pottery. Cobbles are of brick. (MADE GROUND)0.25m - PID test carried out = 3.3ppm.	
			0.45			Orangish brown clayey to very clayey gravelly SAND with low cobble content. Deposit sometimes grades into a very sandy clay. Gravel is fine to coarse subangular to angular of sandstone and occasional brick and pot drainage pipe. Cobbles are of brick. (MADE GROUND)0.65m - PID test carried out = 2.5ppm.	
1.40	ES		1.30			Firm dark grey very sandy slightly gravelly CLAY. Slightly organic rich. Gravel is fine to coarse angular to subrounded of sandstone, coal and occasional brick. (MADE GROUND)1.40m - PID test carried out = 4.2ppm.	
			1.60			Soft brown sandy gravelly CLAY. Gravel is fine to coarse angular to subrounded of coal and occasional sandstone. (Natural Strata?)1.70m - PID test carried out = 1.8ppm.	
			1.80			Trial Pit Complete at 1.800m	
Remarks: Good stability. Excavated using a JCB 3CX Sitemaster. Trial pit was backfilled with compacted excavated arisings on completion. Recovered soils were logged by Dr Stephen Knott of The Land Consultancy Ltd to BS5930 2015							
Groundwater: No groundwater encountered.							

SITE NAME/CONTRACT: 1 Commercial Street, Knott Mill, Manchester M15 4PZ

SCALE: NTS

TITLE: TP7 Photograph

DATE: April 2021



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**TP7
PHOTOGRAPH**

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SCALE: NTS

TITLE: TP7 Photographs

DATE: April 2021



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**TP7
PHOTOGRAPHS**

APPENDIX C

WINDOWLESS SAMPLING BOREHOLE LOGS

The Land Consultancy Limited	Contract Name: Commercial Street, Manchester M15 4PZ		Client: Infill Developments Ltd			Borehole ID: WS1							
	Contract Number: TLC1143	Date Started: 28/04/2021	Logged By: S.F.Knott	Start Date: 28/04/2021	End Date: 28/04/2021	Sheet 1 of 1							
	Easting:		Northing:	Ground Level (mAOD):	Hole Type: Windowless Sampling		Scale: 1:25						
T: 01772 610609 sfknott@thelandconsultancy.co.uk www.thelandconsultancy.co.uk													
Drilling Contractor / Drillers LOT Geotechnics Ltd / Keith Evans & Mick Worthington			Method / Plant Used Archway Competitor Dart Windowless Sampling Rig			Weather / Ground Conditions Weather: Mainly dry, overcast, windy, T=8-12C / Dry							
Samples & In Situ Testing			Strata Details				Groundwater						
Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description	Water Strike	Backfill/ Installation					
0.20	ES1	SPT(S) 1.20m, N=8 (1,4/3,2,1,2)		(0.45)		1 to 2cm thick layer of quartzite gravel over compact black slightly silty gravelly SAND. Sand is ash rich. Gravel is fine to coarse angular of cinders, brick and sandstone. (MADE GROUND)0.20m - PID test carried out = 0.7ppm.	1						
0.60	ES2			0.45		Brown gravelly SAND with low cobble content. Gravel is fine to coarse angular of brick and sandstone. Cobbles are of brick. (MADE GROUND)0.60m - PID test carried out = 1.7ppm.							
1.50 - 1.60	ES3			0.90		Soft brown sandy CLAY. (MADE GROUND)							
				1.15		Dark brownish grey slightly clayey gravelly SAND. Gravel is fine to coarse angular of brick, cinder and coal. (MADE GROUND)1.15 to 1.30m - PID test carried out = 1.4ppm.							
				1.30		Firm brown very sandy gravelly CLAY. Deposit often grades into a very clayey gravelly sand. Gravel is fine to coarse angular to subangular of sandstone and coal. (Probable MADE GROUND)1.50 to 1.60m - PID test carried out = 1.9ppm.							
1.90	ES4	SPT(S) 2.00m, N=7 (1,0/1,1,2,3)	(0.50)		Firm brown and orangish brown sandy CLAY.1.90m - PID test carried out = 1.4ppm.	2							
2.50	ES5				2.10	Loose brown slightly silty SAND.2.50m - Pale grey and yellowish beige.2.50m - PID test carried out = 1.4ppm.							
3.80	ES6	SPT(C) 3.80m, 0 (50 for 100mm/,,)	(1.55)		>3.00m - Grey and gravelly. Gravel is fine to coarse subrounded of sandstone.3.20 to 3.40m - PID test carried out = 2.3ppm.	3							
					3.65			Very dense dark reddish brown silty gravelly SAND. Gravel is angular of very weak reddish brown sandstone. (Weathered Sherwood Sandstone)3.80m - PID test carried out = 2.7ppm.	4				
					3.90			End of Borehole at 3.90m					
Start & End of Shift Observations			Borehole Diameter		Casing Diameter		Remarks:						
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	Hand pit excavated to 1.20m depth to clear services. No groundwater encountered. Galvanised stainless steel monitoring pipes used. Gas taps fitted and protected by a 6" cast iron cover set in concrete flush with the surrounding ground. Filter pack comprised of 10mm washed pea gravel. Seals formed using bentonite granules - small amounts of tap water were poured on the granules to help them go off. Recovered soils were logged by Dr Stephen Knott of The Land Consultancy Limited to BS5930:2015.				
Chiselling			Installation				Water Strikes						
From (m)	To (m)	Duration	Remarks	Top (m)	Base (m)	Type	Dia (mm)	Depth Strike	Depth Casing	Depth Sealed	Time (mins)	Rose To (m)	Remarks
				0.00	0.50	PLAIN	19						
				0.50	1.60	PLAIN	19						
				0.00	2.10	PLAIN	19						
				2.10	3.10	SLOTTED	19						

The Land Consultancy Limited T: 01772 610609 sfknott@thelandconsultancy.co.uk www.thelandconsultancy.co.uk	Contract Name: Commercial Street, Manchester M15 4PZ			Client: Infill Developments Ltd			Borehole ID: WS2 Sheet 1 of 1						
	Contract Number: TLC1143	Date Started: 28/04/2021	Logged By: S.F.Knott	Start Date: 28/04/2021	End Date: 28/04/2021								
	Easting:	Northing:	Ground Level (mAOD):	Hole Type: Windowless Sampling			Scale: 1:25						
Drilling Contractor / Drillers LOT Geotechnics Ltd / Keith Evans & Mick Worthington			Method / Plant Used Archway Competitor Dart Windowless Sampling Rig			Weather / Ground Conditions Weather: Dry, overcast, windy, T=8-12C / Dry							
Samples & In Situ Testing			Strata Details					Groundwater					
Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description	Water Strike	Backfill/ Installation					
0.25	ES1	SPT(S) 1.20m, N=0 (0,0/0,0,0,0)		(1.00)		Compact dark grey very gravelly SAND with medium to high cobble content. Sand is slightly ashy. Gravel is fine to coarse angular of brick and sandstone. Cobbles are of sandstone and brick. Occasional polythene, metal pipe and wood fragments noted. (MADE GROUND)0.25m - PID test carried out = 1.3ppm.>0.50m - Cinder gravel also recovered.							
0.90	ES2			1.00		0.90m - PID test carried out = 1.1ppm. Very soft to soft yellowish orangish brown very sandy CLAY with occasional gravel. Gravel is of brick. (MADE GROUND)			1				
1.80	ES3			(0.60)		1.30m - PI test carried out = 1.9ppm. Brownish grey slightly to very clayey gravelly SAND. Gravel is fine and medium angular of coal and brick. (MADE GROUND)1.80m - PID test carried out = 2.1ppm.			2				
2.70 - 2.80	ES4	SPT(S) 2.00m, N=0 (0,0/0,0,0,0)		2.00		Very soft to soft brown slightly sandy CLAY.							
				(0.70)									
2.70				2.70		>2.65m - Firm to stiff yellowish brown. Grey and pale yellowish brown very sandy SILT. Sand is fine.2.70 to 2.80m - PID test carried out = 2.1ppm.			3				
3.30 - 3.40	ES5	SPT(S) 3.00m, N=40 (1,3/5,7,10,18)		(0.40)		Dense pale brownish grey silty SAND.							
				3.10									
				(0.45)		3.30 to 3.40m - PID test carried out = 1.2ppm.>3.45m - Gravelly. Gravel is fine to coarse subangular to subrounded of sandstone.			4				
		SPT(C) 3.60m, 0 (50 for 105mm/,,)		3.55		Very dense reddish brown slightly silty fine and medium grained SAND. (Weathered Sherwood SSandstone)							
				3.71		3.55 to 3.60m - PID test carried out = 1.1ppm. End of Borehole at 3.71m			5				
Start & End of Shift Observations			Borehole Diameter		Casing Diameter		Remarks:						
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	Hand pit excavated to 1.20m depth to clear services. No groundwater encountered. Galvanised stainless steel monitoring pipes used. Gas taps fitted and protected by a 6" cast iron cover set in concrete flush with the surrounding ground. Filter pack comprised of 10mm washed pea gravel. Seals formed using bentonite granules - small amounts of tap water were poured on the granules to help them go off. Recovered soils were logged by Dr Stephen Knott of The Land Consultancy Limited to BS5930:2015.				
Chiselling			Installation				Water Strikes						
From (m)	To (m)	Duration	Remarks	Top (m)	Base (m)	Type	Dia (mm)	Depth Strike	Depth Casing	Depth Sealed	Time (mins)	Rose To (m)	Remarks
				0.00	0.50	PLAIN	19						
				0.50	1.57	SLOTTED	19						
				0.00	2.10	PLAIN	19						
				2.10	3.10	SLOTTED	19						

[illegible]

The Land Consultancy Limited T: 01772 610609 sfknott@thelandconsultancy.co.uk www.thelandconsultancy.co.uk			Contract Name: Commercial Street, Manchester M15 4PZ			Client: Infill Developments Ltd			Borehole ID: WS5																
			Contract Number: TLC1143	Date Started: 28/04/2021	Logged By: S.F.Knott	Start Date: 28/04/2021	End Date: 28/04/2021																		
Drilling Contractor / Drillers LOT Geotechnics Ltd / Keith Evans & Mick Worthington			Easting:	Northing:	Ground Level (mAOD):	Hole Type: Windowless Sampling			Scale: 1:25																
			Method / Plant Used Archway Competitor Dart Windowless Sampling Rig			Weather / Ground Conditions Weather: Dry, overcast, windy, T=8-12C / Dry																			
Samples & In Situ Testing												Strata Details												Groundwater	
Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description						Water Strike	Backfill/ Installation												
0.30	ES1			0.05		Quartzite GRAVEL. (MADE GROUND)																			
				0.15		TARMAC. (MADE GROUND)																			
0.80	ES2	SPT(S) 1.20m, N=0 (0,0/0,0,0,0)		(0.55)		Compact black very gravelly SAND with high cobble content. Gravel is fine to coarse angular of sandstone, brick and occasional pottery. Cobbles are of sandstone and brick. (MADE GROUND)0.30m - PID test carried out = 1.7ppm.						1													
				0.70		Soft to soft to firm brown, pale yellowish brown and dark grey sandy gravelly CLAY. Gravel is fine to coarse angular of brick, sandstone and occasional clinker. (MADE GROUND)0.80m - PID test carried out = 1.2ppm.>1.00m - Very soft and soft.																			
1.60	ES3	SPT(S) 2.00m, N=4 (0,0/1,0,1,2)		1.25		Very soft to firm dark brownish grey very sandy gravelly CLAY. Gravel is fine to coarse angular of coal and brick. (MADE GROUND)																			
				(0.40)		1.60m - PID test carried out = 1.5ppm.																			
2.50	ES4	SPT(S) 3.00m, N=7 (1,0/1,2,2,2)		1.65		Brown very clayey fine and medium grained SAND and soft very sandy CLAY.																			
				(0.35)		1.90m - PID test carried out = 1.3ppm.																			
3.50	ES5	SPT(S) 4.00m, 40 (10,13/40 for 255mm)		2.00		Loose dark brown fine and medium grained SAND.						2													
				(1.70)		>2.35m - Pale brown.2.50m - PID test carried out = 1.4ppm.																			
						>3.20m - Greyish brown and slightly gravelly. Gravel is fine to coarse subrounded to subangular of sandstone.						3													
						>3.50m - Gravelly.3.50m - PID test carried out = 0.8ppm.																			
				3.70		Greyish brown SAND and GRAVEL. Gravel is fine to coarse subrounded to subangular of sandstone.						4													
				(0.55)		Very dense dark reddish brown slightly silty fine and medium grained SAND. (Weathered Sherwood Sandstone) End of Borehole at 4.33m																			
				4.25								5													
				4.33																					
Start & End of Shift Observations					Borehole Diameter		Casing Diameter		Remarks:																
Date	Time	Depth (m)	Casing (m)	Water (m)	Depth (m)	Dia (mm)	Depth (m)	Dia (mm)	Hand pit excavated to 1.20m depth to clear services. No groundwater encountered. Galvanised stainless steel monitoring pipes used. Gas taps fitted and protected by a 6" cast iron cover set in concrete flush with the surrounding ground. Filter pack comprised of 10mm washed pea gravel. Seals formed using bentonite granules - small amounts of tap water were poured on the granules to help them go off. Recovered soils were logged by Dr Stephen Knott of The Land Consultancy Limited to BS5930:2015.																
Chiselling					Installation				Water Strikes																
From (m)	To (m)	Duration	Remarks	Top (m)	Base (m)	Type	Dia (mm)	Depth Strike	Depth Casing	Depth Sealed	Time (mins)	Rose To (m)	Remarks												
				0.00	0.50	PLAIN	19																		
				0.50	1.55	SLOTTED	19																		
				0.00	2.10	PLAIN	19																		
				2.10	3.15	SLOTTED	19																		

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

ARCHWAY ENGINEERING (UK) LTD
AINLEYS INDUSTRIAL ESTATE
ELLAND
WEST YORKSHIRE
HX5 9JP

SPT Hammer Ref: DART358
Test Date: 04/01/2021
Report Date: 04/01/2021
File Name: DART358.spt
Test Operator: JL

Instrumented Rod Data

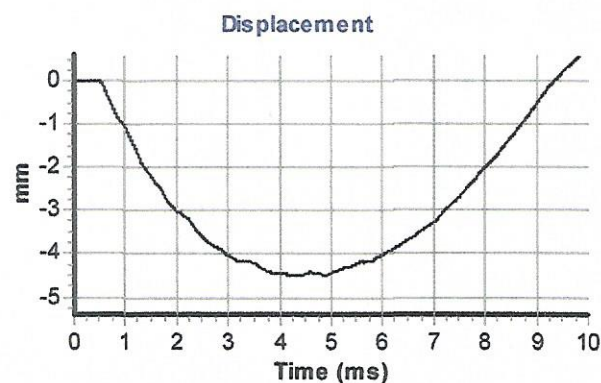
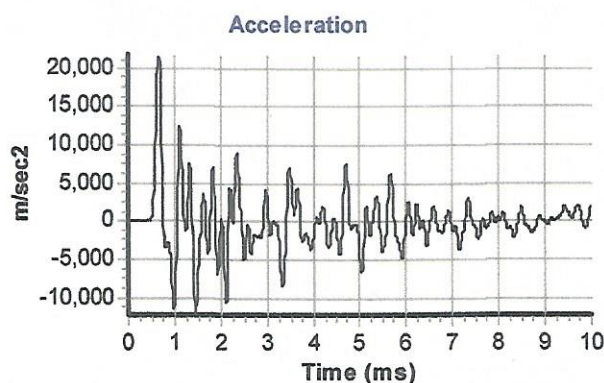
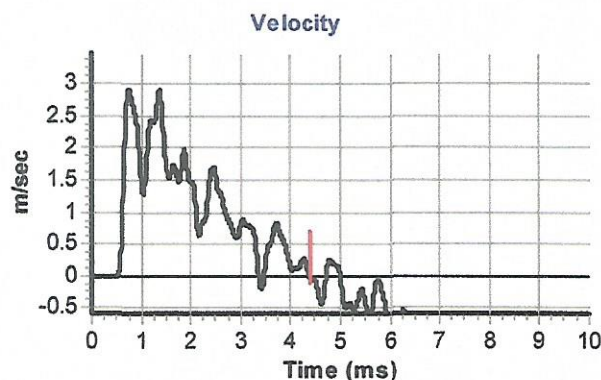
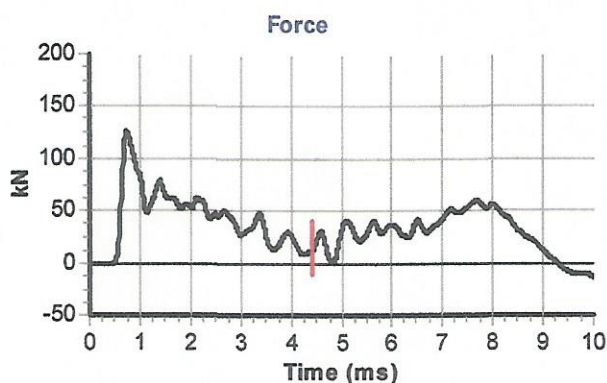
Diameter d_r (mm): 54
Wall Thickness t_r (mm): 6.3
Assumed Modulus E_a (GPa): 208
Accelerometer No.1: 7080
Accelerometer No.2: 11609

SPT Hammer Information

Hammer Mass m (kg): 63.5
Falling Height h (mm): 760
SPT String Length L (m): 10.0

Comments / Location

LOT GEOTECHNICS - 73689



Calculations

Area of Rod A (mm^2): 944
Theoretical Energy E_{theor} (J): 473
Measured Energy E_{meas} (J): 303

Energy Ratio E_r (%): **64**



Signed: J. LOCK

Title: FITTER

The recommended calibration interval is 12 months

APPENDIX D

CHEMICAL TESTING RESULTS AND SCREENING VALUES



ANALYTICAL TEST REPORT

Contract no: 95656(1)
Contract name: Commercial Street, Manchester
Client reference: TLC1143
Clients name: The Land Consultancy
Clients address: 4 Parker Lane
Whitestake, Preston
Lancashire
PR4 4JX

Samples received: 04 May 2021

Analysis started: 12 May 2021

Analysis completed: 18 May 2021

Report issued: 18 May 2021

This is a supplementary report to report number 95656 issued 11 May 2021.

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:

Rachael Burton
Customer Support Squad Leader

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
95656-1	TP1	0.40	Sand with Gravel	-	-	14.8
95656-2	TP1	1.25	Sandy Clay	-	-	22.4
95656-3	TP1	1.80	Sandy Clay	-	-	22.5
95656-4	TP2	0.80	Sandy Clay	-	-	28.0
95656-5	TP2	1.80	Clayey Sand with Gravel	-	-	18.5
95656-6	TP3	0.30	Sandy Clay with Gravel	-	-	17.5
95656-7	TP3	0.70	Sandy Clay with Gravel	-	-	17.9
95656-8	TP4	0.25	Sand with Gravel	-	-	15.8
95656-9	TP4	0.70	Sandy Clay with Gravel	-	-	20.6
95656-10	TP5	0.40	Sand with Gravel	-	-	11.2
95656-11	TP5	0.75	Sandy Clay with Gravel	-	-	15.0
95656-12	TP5	1.40	Sandy Loam	-	-	23.9
95656-13	TP6	0.90	Sand with Gravel	-	-	17.5
95656-14	TP6	1.80	Sand with Gravel	-	-	20.8
95656-15	TP7	0.25	Sand with Gravel	-	-	13.0
95656-16	TP7	1.40	Loamy Sand	-	-	22.0
95656-17	TP7	1.70	Sandy Clay	-	-	18.4
95656-18	WS1	0.20	Sand with Gravel	-	-	9.6
95656-19	WS1	3.65-3.80	Sand	-	-	10.1
95656-20	WS2	0.25	Sand with Gravel	-	-	9.0
95656-21	WS2	0.90	Sand with Gravel	-	-	13.1
95656-22	WS2	1.80	Sandy Clay	-	-	21.9
95656-23	WS3	0.20	Sandy Clay with Gravel	-	-	17.3
95656-24	WS3	0.80	Sandy Clay with Gravel	-	-	17.3
95656-25	WS3	1.50	Clayey Sand with Gravel	-	-	21.9
95656-26	WS3	2.50-2.90	Sand with Gravel	-	-	9.3
95656-27	WS4	0.50	Sand with Gravel	-	-	10.8
95656-28	WS4	1.10-1.20	Sandy Clay with Gravel	-	-	22.9
95656-29	WS4	1.80-1.90	Sand with Gravel	-	-	13.9
95656-30	WS5	0.30	Sandy Clay with Gravel	-	-	13.4
95656-31	WS5	0.80	Sandy Clay with Gravel	-	-	19.5
95656-32	WS5	1.60	Sandy Clay with Gravel	-	-	23.4
95656-33	WS5	3.50	Sand with Gravel	-	-	6.8

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-1 TP1 0.40 29/04/2021	95656-2 TP1 1.25 29/04/2021	95656-3 TP1 1.80 29/04/2021	95656-4 TP2 0.80 29/04/2021	95656-5 TP2 1.80 29/04/2021	95656-6 TP3 0.30 29/04/2021
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	-	-	-	-	-	12
Boron (water soluble)	CE063	mg/kg B	-	-	-	-	-	0.9
Cadmium (total)	CE127 ^M	mg/kg Cd	-	-	-	-	-	<0.2
Chromium (total)	CE127 ^M	mg/kg Cr	-	-	-	-	-	69
Chromium (VI)	CE146	mg/kg CrVI	-	-	-	-	-	<1
Copper (total)	CE127 ^M	mg/kg Cu	-	-	-	-	-	59
Lead (total)	CE127 ^M	mg/kg Pb	-	-	-	-	-	209
Mercury (total)	CE127 ^M	mg/kg Hg	-	-	-	-	-	<0.5
Nickel (total)	CE127 ^M	mg/kg Ni	-	-	-	-	-	21
Selenium (total)	CE127 ^M	mg/kg Se	-	-	-	-	-	1.1
Zinc (total)	CE127 ^M	mg/kg Zn	-	-	-	-	-	92
pH	CE004 ^M	units	-	-	-	-	-	7.8
Magnesium (2:1 water soluble)	CE061	mg/l Mg	-	-	-	-	-	-
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	-	-	-	-	-	-
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	-	-	-	-	-	-
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	-	-	-	-	-	-
Sulphate (total)	CE062	mg/kg SO ₄	-	-	-	-	-	1046
Sulphur (total)	CE119	mg/kg S	-	-	-	-	-	-
Cyanide (total)	CE077	mg/kg CN	-	-	-	-	-	<1
Phenols (total)	CE078	mg/kg PhOH	-	-	-	-	-	<0.5
Total Organic Carbon (TOC)	CE197	% w/w C	-	-	0.8	-	-	3.3
PAH								
Naphthalene	CE087 ^M	mg/kg	0.06	-	-	0.10	-	1.32
Acenaphthylene	CE087 ^M	mg/kg	0.19	-	-	0.18	-	0.76
Acenaphthene	CE087 ^M	mg/kg	0.28	-	-	0.22	-	4.55
Fluorene	CE087 ^U	mg/kg	0.19	-	-	0.13	-	2.88
Phenanthrene	CE087 ^M	mg/kg	2.83	-	-	1.97	-	40.25
Anthracene	CE087 ^U	mg/kg	0.87	-	-	0.63	-	18.96
Fluoranthene	CE087 ^M	mg/kg	6.15	-	-	6.20	-	126.92
Pyrene	CE087 ^M	mg/kg	5.34	-	-	5.83	-	109.63
Benzo(a)anthracene	CE087 ^U	mg/kg	3.09	-	-	3.35	-	48.27
Chrysene	CE087 ^M	mg/kg	2.76	-	-	2.79	-	49.52
Benzo(b)fluoranthene	CE087 ^M	mg/kg	4.51	-	-	4.83	-	59.35
Benzo(k)fluoranthene	CE087 ^M	mg/kg	1.88	-	-	1.89	-	23.89
Benzo(a)pyrene	CE087 ^U	mg/kg	4.18	-	-	4.61	-	58.33
Indeno(123cd)pyrene	CE087 ^M	mg/kg	3.49	-	-	3.64	-	43.31
Dibenz(ah)anthracene	CE087 ^M	mg/kg	0.66	-	-	0.75	-	6.22
Benzo(ghi)perylene	CE087 ^M	mg/kg	3.07	-	-	3.20	-	38.93
PAH (total of USEPA 16)	CE087	mg/kg	39.6	-	-	40.32	-	633
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	-	-	-	-

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-1 TP1 0.40 29/04/2021	95656-2 TP1 1.25 29/04/2021	95656-3 TP1 1.80 29/04/2021	95656-4 TP2 0.80 29/04/2021	95656-5 TP2 1.80 29/04/2021	95656-6 TP3 0.30 29/04/2021
Test	Method	Units						
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	-	-	-	-	-	-
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 (>C5-C7)	CE067	mg/kg	<0.1	-	-	-	-	<0.1
VPH (>C7-C8)	CE067	mg/kg	<0.1	-	-	-	-	<0.1
VPH (>C8-C10)	CE067	mg/kg	<0.1	-	-	-	-	<0.1
EPH (>C10-C40)	CE033 ^M	mg/kg	-	-	-	-	-	1453
EPH (>C10-C12)	CE033 ^U	mg/kg	<4	-	-	-	-	6
EPH (>C12-C16)	CE033 ^M	mg/kg	10	-	-	-	-	25
EPH (>C16-C21)	CE033 ^M	mg/kg	159	-	-	-	-	130
EPH (>C21-C35)	CE033 ^M	mg/kg	772	-	-	-	-	1416
EPH (>C35-C44)	CE033 ^M	mg/kg	288	-	-	-	-	1359
Volatiles								
MTBE	CE192 ^U	mg/kg	<0.02	<0.02	-	<0.02	<0.02	-
Benzene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Toluene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Ethylbenzene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
m & p-Xylene	CE192 ^U	mg/kg	<0.02	<0.02	-	<0.02	<0.02	-
o-Xylene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Dichlorodifluoromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Chloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Vinyl chloride	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Bromomethane	CE174	mg/kg	<0.03	<0.03	-	<0.03	<0.03	-
Chloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Trichlorofluoromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Trans-1,2-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1-Dichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
2,2-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Cis-1,2-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-

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SOILS

Lab number			95656-1	95656-2	95656-3	95656-4	95656-5	95656-6
Sample id			TP1	TP1	TP1	TP2	TP2	TP3
Depth (m)			0.40	1.25	1.80	0.80	1.80	0.30
Date sampled			29/04/2021	29/04/2021	29/04/2021	29/04/2021	29/04/2021	29/04/2021
Test	Method	Units						
Bromochloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Chloroform	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1,1-Trichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Carbon tetrachloride	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2-Dichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Trichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Dibromomethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Bromodichloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
cis-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
trans-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1,2-Trichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Tetrachloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,3-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Dibromochloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2-Dibromoethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Chlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1,1,2-Tetrachloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Styrene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Tribromomethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Isopropylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Bromobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1,2,2-Tetrachloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2,3-Trichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Propylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
2-Chlorotoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
4-Chlorotoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,3,5-Trimethylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
tert-Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2,4-Trimethylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
sec-Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,3-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
4-Isopropyltoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,4-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2-Dibromo-3-chloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2,4-Trichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Hexachloro-1,3-butadiene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2,3-Trichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-

Chemtech Environmental Limited

SOILS

Lab number Sample id Depth (m) Date sampled			95656-1 TP1 0.40 29/04/2021	95656-2 TP1 1.25 29/04/2021	95656-3 TP1 1.80 29/04/2021	95656-4 TP2 0.80 29/04/2021	95656-5 TP2 1.80 29/04/2021	95656-6 TP3 0.30 29/04/2021
Test	Method	Units						
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Phenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Bis(2-chloroethyl)ether	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Chlorophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
1,3-Dichlorobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
1,4-Dichlorobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Methylphenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
1,2-Dichlorobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Bis(2-chloroisopropyl)ether	CE189	mg/kg	<0.1	-	-	<0.1	-	-
3&4-Methylphenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
N-Nitrosodi-n-propylamine	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Hexachloroethane	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Nitrobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Isophorone	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,4-Dimethylphenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Nitrophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Bis(2-chloroethoxy)methane	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,4-Dichlorophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
1,2,4-Trichlorobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Chloroaniline	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Hexachlorobutadiene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Chloro-3-methylphenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Methylnaphthalene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
1-Methylnaphthalene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Hexachlorocyclopentadiene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,4,6-Trichlorophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,4,5-Trichlorophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Chloronaphthalene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Nitroaniline	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Dimethyl phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,6-Dinitrotoluene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
3-Nitroaniline	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,4-Dinitrophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Nitrophenol	CE189	mg/kg	0.1	-	-	<0.1	-	-
2,4-Dinitrotoluene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Dibenzofuran	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Diethyl phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Chlorophenylphenyl ether	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Nitroaniline	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Methyl-4,6-dinitrophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-

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SOILS

Lab number			95656-1	95656-2	95656-3	95656-4	95656-5	95656-6
Sample id			TP1	TP1	TP1	TP2	TP2	TP3
Depth (m)			0.40	1.25	1.80	0.80	1.80	0.30
Date sampled			29/04/2021	29/04/2021	29/04/2021	29/04/2021	29/04/2021	29/04/2021
Test	Method	Units						
Azobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Bromophenylphenyl ether	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Hexachlorobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Pentachlorophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Carbazole	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Di-n-butyl phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Butylbenzyl phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Bis(2-ethylhexyl)phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Di-n-octyl phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
PCB								
PCB Congener 28	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 52	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 101	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 118	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 138	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 153	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 180	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	-	-	-	-
Subcontracted analysis								
Asbestos (qualitative)	\$	-	-	-	-	-	-	NAD

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-7 TP3 0.70 29/04/2021	95656-8 TP4 0.25 29/04/2021	95656-9 TP4 0.70 29/04/2021	95656-10 TP5 0.40 29/04/2021	95656-11 TP5 0.75 29/04/2021	95656-12 TP5 1.40 29/04/2021
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	-	32	-	-	-	17
Boron (water soluble)	CE063	mg/kg B	-	1.4	-	-	-	1.5
Cadmium (total)	CE127 ^M	mg/kg Cd	-	0.4	-	-	-	0.2
Chromium (total)	CE127 ^M	mg/kg Cr	-	66	-	-	-	65
Chromium (VI)	CE146	mg/kg CrVI	-	<1	-	-	-	<1
Copper (total)	CE127 ^M	mg/kg Cu	-	230	-	-	-	48
Lead (total)	CE127 ^M	mg/kg Pb	-	910	-	-	-	144
Mercury (total)	CE127 ^M	mg/kg Hg	-	0.6	-	-	-	0.5
Nickel (total)	CE127 ^M	mg/kg Ni	-	40	-	-	-	25
Selenium (total)	CE127 ^M	mg/kg Se	-	1.3	-	-	-	1.0
Zinc (total)	CE127 ^M	mg/kg Zn	-	173	-	-	-	55
pH	CE004 ^M	units	-	8.4	-	-	-	7.3
Magnesium (2:1 water soluble)	CE061	mg/l Mg	-	-	-	-	-	-
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	-	-	-	-	-	-
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	-	-	-	-	-	-
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	-	-	-	-	-	-
Sulphate (total)	CE062	mg/kg SO ₄	-	2591	-	-	-	747
Sulphur (total)	CE119	mg/kg S	-	-	-	-	-	-
Cyanide (total)	CE077	mg/kg CN	-	<1	-	-	-	<1
Phenols (total)	CE078	mg/kg PhOH	-	<0.5	-	-	-	<0.5
Total Organic Carbon (TOC)	CE197	% w/w C	1.0	11.1	-	4.3	-	6.3
PAH								
Naphthalene	CE087 ^M	mg/kg	-	6.07	<0.02	114.10	0.05	<0.02
Acenaphthylene	CE087 ^M	mg/kg	-	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 ^M	mg/kg	-	6.95	<0.02	31.12	0.04	<0.02
Fluorene	CE087 ^U	mg/kg	-	3.97	<0.02	18.60	0.02	<0.02
Phenanthrene	CE087 ^M	mg/kg	-	30.71	0.02	117.90	0.18	0.03
Anthracene	CE087 ^U	mg/kg	-	5.92	<0.02	20.68	0.04	<0.02
Fluoranthene	CE087 ^M	mg/kg	-	33.15	<0.02	100.89	0.14	<0.02
Pyrene	CE087 ^M	mg/kg	-	31.87	<0.02	99.59	0.14	<0.02
Benzo(a)anthracene	CE087 ^U	mg/kg	-	15.06	<0.02	44.51	0.06	<0.02
Chrysene	CE087 ^M	mg/kg	-	14.76	<0.03	49.40	0.07	<0.03
Benzo(b)fluoranthene	CE087 ^M	mg/kg	-	17.74	<0.02	47.26	0.09	<0.02
Benzo(k)fluoranthene	CE087 ^M	mg/kg	-	6.60	<0.03	17.96	0.03	<0.03
Benzo(a)pyrene	CE087 ^U	mg/kg	-	17.03	<0.02	43.51	0.08	<0.02
Indeno(123cd)pyrene	CE087 ^M	mg/kg	-	11.74	<0.02	28.21	0.07	<0.02
Dibenz(ah)anthracene	CE087 ^M	mg/kg	-	2.57	<0.02	6.21	<0.02	<0.02
Benzo(ghi)perylene	CE087 ^M	mg/kg	-	11.18	<0.02	27.19	0.06	<0.02
PAH (total of USEPA 16)	CE087	mg/kg	-	215	<0.34	767	1.07	<0.34
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	-	<0.01	-	-

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-7 TP3 0.70 29/04/2021	95656-8 TP4 0.25 29/04/2021	95656-9 TP4 0.70 29/04/2021	95656-10 TP5 0.40 29/04/2021	95656-11 TP5 0.75 29/04/2021	95656-12 TP5 1.40 29/04/2021
Test	Method	Units						
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	-	<0.01	-	-
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	-	0.01	-	-
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	-	115	-	-
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	-	32	-	-
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	-	359	-	-
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	-	238	-	-
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	-	28	-	-
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	-	<0.1	-	-
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	-	<0.1	-	-
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	-	<0.1	-	-
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	-	28	-	-
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	-	108	-	-
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	-	1126	-	-
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	-	479	-	-
VPH (>C5-C7)	CE067	mg/kg	-	<0.1	-	-	<0.1	-
VPH (>C7-C8)	CE067	mg/kg	-	<0.1	-	-	<0.1	-
VPH (>C8-C10)	CE067	mg/kg	-	<0.1	-	-	<0.1	-
EPH (>C10-C40)	CE033 ^M	mg/kg	-	1691	-	-	-	39
EPH (>C10-C12)	CE033 ^U	mg/kg	-	15	-	-	<4	-
EPH (>C12-C16)	CE033 ^M	mg/kg	-	77	-	-	<4	-
EPH (>C16-C21)	CE033 ^M	mg/kg	-	259	-	-	<4	-
EPH (>C21-C35)	CE033 ^M	mg/kg	-	1264	-	-	<6	-
EPH (>C35-C44)	CE033 ^M	mg/kg	-	928	-	-	<10	-
Volatiles								
MTBE	CE192 ^U	mg/kg	-	-	<0.02	<0.02	-	-
Benzene	CE192 ^U	mg/kg	-	-	<0.01	<0.01	-	-
Toluene	CE192 ^U	mg/kg	-	-	<0.01	<0.01	-	-
Ethylbenzene	CE192 ^U	mg/kg	-	-	<0.01	<0.01	-	-
m & p-Xylene	CE192 ^U	mg/kg	-	-	<0.02	<0.02	-	-
o-Xylene	CE192 ^U	mg/kg	-	-	<0.01	<0.01	-	-
Dichlorodifluoromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Chloromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Vinyl chloride	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Bromomethane	CE174	mg/kg	-	-	<0.03	<0.03	-	-
Chloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Trichlorofluoromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1-Dichloroethene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Trans-1,2-Dichloroethene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1-Dichloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
2,2-Dichloropropane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Cis-1,2-Dichloroethene	CE174	mg/kg	-	-	<0.01	<0.01	-	-

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-7 TP3 0.70 29/04/2021	95656-8 TP4 0.25 29/04/2021	95656-9 TP4 0.70 29/04/2021	95656-10 TP5 0.40 29/04/2021	95656-11 TP5 0.75 29/04/2021	95656-12 TP5 1.40 29/04/2021
Test	Method	Units						
Bromochloromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Chloroform	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1,1-Trichloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Carbon tetrachloride	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1-Dichloro-1-propene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2-Dichloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Trichloroethene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2-Dichloropropane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Dibromomethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Bromodichloromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
cis-1,3-Dichloro-1-propene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
trans-1,3-Dichloro-1-propene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1,2-Trichloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Tetrachloroethene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,3-Dichloropropane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Dibromochloromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2-Dibromoethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Chlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1,1,2-Tetrachloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Styrene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Tribromomethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Isopropylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Bromobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1,2,2-Tetrachloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2,3-Trichloropropane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Propylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
2-Chlorotoluene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
4-Chlorotoluene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,3,5-Trimethylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
tert-Butylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2,4-Trimethylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
sec-Butylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,3-Dichlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
4-Isopropyltoluene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,4-Dichlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2-Dichlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Butylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2-Dibromo-3-chloropropane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2,4-Trichlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Hexachloro-1,3-butadiene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2,3-Trichlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-7 TP3 0.70 29/04/2021	95656-8 TP4 0.25 29/04/2021	95656-9 TP4 0.70 29/04/2021	95656-10 TP5 0.40 29/04/2021	95656-11 TP5 0.75 29/04/2021	95656-12 TP5 1.40 29/04/2021
Test	Method	Units						
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	-	-	-	<0.1	-	-
Phenol	CE189	mg/kg	-	-	-	2.3	-	-
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	-	-	-	4.3	-	-
1,2-Dichlorobenzene	CE189	mg/kg	-	-	-	<0.1	-	-
Bis(2-chloroisopropyl)ether	CE189	mg/kg	-	-	-	<0.1	-	-
3&4-Methylphenol	CE189	mg/kg	-	-	-	12.0	-	-
N-Nitrosodi-n-propylamine	CE189	mg/kg	-	-	-	<0.1	-	-
Hexachloroethane	CE189	mg/kg	-	-	-	<0.1	-	-
Nitrobenzene	CE189	mg/kg	-	-	-	<0.1	-	-
Isophorone	CE189	mg/kg	-	-	-	<0.1	-	-
2,4-Dimethylphenol	CE189	mg/kg	-	-	-	4.6	-	-
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	-	-	-	28.9	-	-
1-Methylnaphthalene	CE189	mg/kg	-	-	-	19.5	-	-
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	-	-	-	15.0	-	-
2,4-Dinitrotoluene	CE189	mg/kg	-	-	-	<0.1	-	-
Dibenzofuran	CE189	mg/kg	-	-	-	16.9	-	-
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	-	-

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SOILS

Lab number			95656-7	95656-8	95656-9	95656-10	95656-11	95656-12
Sample id			TP3	TP4	TP4	TP5	TP5	TP5
Depth (m)			0.70	0.25	0.70	0.40	0.75	1.40
Date sampled			29/04/2021	29/04/2021	29/04/2021	29/04/2021	29/04/2021	29/04/2021
Test	Method	Units						
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	-	-	-	10.8	-	-
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	-	-
PCB								
PCB Congener 28	CE137 ^M	mg/kg	-	-	0.23	-	-	-
PCB Congener 52	CE137 ^M	mg/kg	-	-	<0.004	-	-	-
PCB Congener 101	CE137 ^M	mg/kg	-	-	<0.008	-	-	-
PCB Congener 118	CE137 ^M	mg/kg	-	-	<0.006	-	-	-
PCB Congener 138	CE137 ^M	mg/kg	-	-	<0.006	-	-	-
PCB Congener 153	CE137 ^M	mg/kg	-	-	<0.009	-	-	-
PCB Congener 180	CE137 ^M	mg/kg	-	-	<0.008	-	-	-
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	0.23	-	-	-
Subcontracted analysis								
Asbestos (qualitative)	\$	-	-	NAD	-	-	-	NAD

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-13 TP6 0.90 29/04/2021	95656-14 TP6 1.80 29/04/2021	95656-15 TP7 0.25 29/04/2021	95656-16 TP7 1.40 29/04/2021	95656-17 TP7 1.70 29/04/2021	95656-18 WS1 0.20 28/04/2021
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	-	-	-	-	-	-
Boron (water soluble)	CE063	mg/kg B	-	-	-	-	-	-
Cadmium (total)	CE127 ^M	mg/kg Cd	-	-	-	-	-	-
Chromium (total)	CE127 ^M	mg/kg Cr	-	-	-	-	-	-
Chromium (VI)	CE146	mg/kg CrVI	-	-	-	-	-	-
Copper (total)	CE127 ^M	mg/kg Cu	-	-	-	-	-	-
Lead (total)	CE127 ^M	mg/kg Pb	-	-	-	-	-	-
Mercury (total)	CE127 ^M	mg/kg Hg	-	-	-	-	-	-
Nickel (total)	CE127 ^M	mg/kg Ni	-	-	-	-	-	-
Selenium (total)	CE127 ^M	mg/kg Se	-	-	-	-	-	-
Zinc (total)	CE127 ^M	mg/kg Zn	-	-	-	-	-	-
pH	CE004 ^M	units	-	-	-	-	-	8.6
Magnesium (2:1 water soluble)	CE061	mg/l Mg	-	-	-	-	-	1.1
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	-	-	-	-	-	5.3
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	-	-	-	-	-	3.5
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	-	-	-	-	-	136
Sulphate (total)	CE062	mg/kg SO ₄	-	-	-	-	-	1409
Sulphur (total)	CE119	mg/kg S	-	-	-	-	-	1741
Cyanide (total)	CE077	mg/kg CN	-	-	-	-	-	-
Phenols (total)	CE078	mg/kg PhOH	-	-	-	-	-	-
Total Organic Carbon (TOC)	CE197	% w/w C	-	10.8	-	6.4	-	7.6
PAH								
Naphthalene	CE087 ^M	mg/kg	0.17	-	40.62	0.05	<0.02	0.35
Acenaphthylene	CE087 ^M	mg/kg	0.05	-	<0.02	<0.02	<0.02	0.46
Acenaphthene	CE087 ^M	mg/kg	0.20	-	108.37	0.05	<0.02	0.80
Fluorene	CE087 ^U	mg/kg	0.12	-	67.60	0.03	<0.02	0.47
Phenanthrene	CE087 ^M	mg/kg	1.43	-	495.98	0.22	<0.02	11.48
Anthracene	CE087 ^U	mg/kg	0.38	-	88.84	0.05	<0.02	2.73
Fluoranthene	CE087 ^M	mg/kg	2.57	-	440.39	0.13	<0.02	20.83
Pyrene	CE087 ^M	mg/kg	2.52	-	376.51	0.12	<0.02	18.17
Benzo(a)anthracene	CE087 ^U	mg/kg	1.28	-	154.70	0.05	<0.02	9.52
Chrysene	CE087 ^M	mg/kg	1.30	-	176.50	0.06	<0.03	8.41
Benzo(b)fluoranthene	CE087 ^M	mg/kg	2.14	-	171.22	0.06	<0.02	15.35
Benzo(k)fluoranthene	CE087 ^M	mg/kg	0.80	-	65.88	<0.03	<0.03	5.74
Benzo(a)pyrene	CE087 ^U	mg/kg	2.12	-	152.44	0.05	<0.02	13.96
Indeno(123cd)pyrene	CE087 ^M	mg/kg	1.59	-	24.05	0.05	<0.02	11.89
Dibenz(ah)anthracene	CE087 ^M	mg/kg	0.35	-	15.54	<0.02	<0.02	2.29
Benzo(ghi)perylene	CE087 ^M	mg/kg	1.48	-	97.75	0.04	<0.02	10.54
PAH (total of USEPA 16)	CE087	mg/kg	18.5	-	2476	0.95	<0.34	133
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	<0.01	<0.01	-	-

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Lab number Sample id Depth (m) Date sampled			95656-13 TP6 0.90 29/04/2021	95656-14 TP6 1.80 29/04/2021	95656-15 TP7 0.25 29/04/2021	95656-16 TP7 1.40 29/04/2021	95656-17 TP7 1.70 29/04/2021	95656-18 WS1 0.20 28/04/2021
Test	Method	Units						
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	<0.01	<0.01	-	-
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	0.17	<0.01	-	-
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	42	<1	-	-
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	109	<1	-	-
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	1470	<1	-	-
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	761	<1	-	-
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	99	<1	-	-
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	<0.1	<0.1	-	-
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	<0.1	<0.1	-	-
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	0.2	<0.1	-	-
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	26	<4	-	-
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	170	<4	-	-
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	2303	6	-	-
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	860	<10	-	-
VPH (>C5-C7)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH (>C7-C8)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH (>C8-C10)	CE067	mg/kg	-	-	-	-	<0.1	-
EPH (>C10-C40)	CE033 ^M	mg/kg	-	-	-	-	-	-
EPH (>C10-C12)	CE033 ^U	mg/kg	-	-	-	-	<4	-
EPH (>C12-C16)	CE033 ^M	mg/kg	-	-	-	-	<4	-
EPH (>C16-C21)	CE033 ^M	mg/kg	-	-	-	-	<4	-
EPH (>C21-C35)	CE033 ^M	mg/kg	-	-	-	-	<6	-
EPH (>C35-C44)	CE033 ^M	mg/kg	-	-	-	-	<10	-
Volatiles								
MTBE	CE192 ^U	mg/kg	<0.02	-	<0.02	<0.02	-	<0.02
Benzene	CE192 ^U	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Toluene	CE192 ^U	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Ethylbenzene	CE192 ^U	mg/kg	<0.01	-	0.02	<0.01	-	<0.01
m & p-Xylene	CE192 ^U	mg/kg	<0.02	-	0.08	<0.02	-	<0.02
o-Xylene	CE192 ^U	mg/kg	<0.01	-	0.07	<0.01	-	<0.01
Dichlorodifluoromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Chloromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Vinyl chloride	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Bromomethane	CE174	mg/kg	<0.03	-	<0.03	<0.03	-	<0.03
Chloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Trichlorofluoromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1-Dichloroethene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Trans-1,2-Dichloroethene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1-Dichloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
2,2-Dichloropropane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Cis-1,2-Dichloroethene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01

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Lab number Sample id Depth (m) Date sampled			95656-13 TP6 0.90 29/04/2021	95656-14 TP6 1.80 29/04/2021	95656-15 TP7 0.25 29/04/2021	95656-16 TP7 1.40 29/04/2021	95656-17 TP7 1.70 29/04/2021	95656-18 WS1 0.20 28/04/2021
Test	Method	Units						
Bromochloromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Chloroform	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1,1-Trichloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Carbon tetrachloride	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1-Dichloro-1-propene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2-Dichloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Trichloroethene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2-Dichloropropane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Dibromomethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Bromodichloromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
cis-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
trans-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1,2-Trichloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Tetrachloroethene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,3-Dichloropropane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Dibromochloromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2-Dibromoethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Chlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1,1,2-Tetrachloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Styrene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Tribromomethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Isopropylbenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Bromobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1,2,2-Tetrachloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2,3-Trichloropropane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Propylbenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
2-Chlorotoluene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
4-Chlorotoluene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,3,5-Trimethylbenzene	CE174	mg/kg	<0.01	-	0.02	<0.01	-	<0.01
tert-Butylbenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2,4-Trimethylbenzene	CE174	mg/kg	<0.01	-	0.03	<0.01	-	<0.01
sec-Butylbenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,3-Dichlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
4-Isopropyltoluene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,4-Dichlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2-Dichlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Butylbenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2-Dibromo-3-chloropropane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2,4-Trichlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Hexachloro-1,3-butadiene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2,3-Trichlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01

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Lab number Sample id Depth (m) Date sampled			95656-13 TP6 0.90 29/04/2021	95656-14 TP6 1.80 29/04/2021	95656-15 TP7 0.25 29/04/2021	95656-16 TP7 1.40 29/04/2021	95656-17 TP7 1.70 29/04/2021	95656-18 WS1 0.20 28/04/2021
Test	Method	Units						
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Phenol	CE189	mg/kg	<0.1	-	1.2	-	-	<0.1
Bis(2-chloroethyl)ether	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Chlorophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
1,3-Dichlorobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
1,4-Dichlorobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Methylphenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
1,2-Dichlorobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Bis(2-chloroisopropyl)ether	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
3&4-Methylphenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
N-Nitrosodi-n-propylamine	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Hexachloroethane	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Nitrobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Isophorone	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,4-Dimethylphenol	CE189	mg/kg	<0.1	-	2.8	-	-	<0.1
2-Nitrophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Bis(2-chloroethoxy)methane	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,4-Dichlorophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
1,2,4-Trichlorobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Chloroaniline	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Hexachlorobutadiene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Chloro-3-methylphenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Methylnaphthalene	CE189	mg/kg	<0.1	-	30.2	-	-	0.4
1-Methylnaphthalene	CE189	mg/kg	<0.1	-	30.9	-	-	<0.1
Hexachlorocyclopentadiene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,4,6-Trichlorophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,4,5-Trichlorophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Chloronaphthalene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Nitroaniline	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Dimethyl phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,6-Dinitrotoluene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
3-Nitroaniline	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,4-Dinitrophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Nitrophenol	CE189	mg/kg	0.1	-	46.2	-	-	0.9
2,4-Dinitrotoluene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Dibenzofuran	CE189	mg/kg	<0.1	-	45.7	-	-	0.9
Diethyl phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Chlorophenylphenyl ether	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Nitroaniline	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Methyl-4,6-dinitrophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1

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SOILS

Lab number			95656-13	95656-14	95656-15	95656-16	95656-17	95656-18
Sample id			TP6	TP6	TP7	TP7	TP7	WS1
Depth (m)			0.90	1.80	0.25	1.40	1.70	0.20
Date sampled			29/04/2021	29/04/2021	29/04/2021	29/04/2021	29/04/2021	28/04/2021
Test	Method	Units						
Azobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Bromophenylphenyl ether	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Hexachlorobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Pentachlorophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Carbazole	CE189	mg/kg	<0.1	-	41.9	-	-	1.0
Di-n-butyl phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Butylbenzyl phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Bis(2-ethylhexyl)phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Di-n-octyl phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
PCB								
PCB Congener 28	CE137 ^M	mg/kg	-	-	0.13	-	-	<0.004
PCB Congener 52	CE137 ^M	mg/kg	-	-	<0.004	-	-	<0.004
PCB Congener 101	CE137 ^M	mg/kg	-	-	<0.008	-	-	<0.008
PCB Congener 118	CE137 ^M	mg/kg	-	-	<0.006	-	-	<0.006
PCB Congener 138	CE137 ^M	mg/kg	-	-	<0.006	-	-	<0.006
PCB Congener 153	CE137 ^M	mg/kg	-	-	<0.009	-	-	<0.009
PCB Congener 180	CE137 ^M	mg/kg	-	-	<0.008	-	-	<0.008
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	0.13	-	-	<0.045
Subcontracted analysis								
Asbestos (qualitative)	\$	-	NAD	-	NAD	-	-	NAD

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Lab number Sample id Depth (m) Date sampled			95656-19 WS1 3.65-3.80 28/04/2021	95656-20 WS2 0.25 28/04/2021	95656-21 WS2 0.90 28/04/2021	95656-22 WS2 1.80 28/04/2021	95656-23 WS3 0.20 28/04/2021	95656-24 WS3 0.80 28/04/2021
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	-	-	-	-	-	8.4
Boron (water soluble)	CE063	mg/kg B	-	-	-	-	-	0.8
Cadmium (total)	CE127 ^M	mg/kg Cd	-	-	-	-	-	<0.2
Chromium (total)	CE127 ^M	mg/kg Cr	-	-	-	-	-	75
Chromium (VI)	CE146	mg/kg CrVI	-	-	-	-	-	<1
Copper (total)	CE127 ^M	mg/kg Cu	-	-	-	-	-	38
Lead (total)	CE127 ^M	mg/kg Pb	-	-	-	-	-	164
Mercury (total)	CE127 ^M	mg/kg Hg	-	-	-	-	-	<0.5
Nickel (total)	CE127 ^M	mg/kg Ni	-	-	-	-	-	16
Selenium (total)	CE127 ^M	mg/kg Se	-	-	-	-	-	1.0
Zinc (total)	CE127 ^M	mg/kg Zn	-	-	-	-	-	57
pH	CE004 ^M	units	-	-	-	7.6	7.8	7.8
Magnesium (2:1 water soluble)	CE061	mg/l Mg	-	-	-	-	2.7	-
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	-	-	-	-	3.8	-
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	-	-	-	-	<1	-
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	-	-	-	107	75	-
Sulphate (total)	CE062	mg/kg SO ₄	-	-	-	488	301	314
Sulphur (total)	CE119	mg/kg S	-	-	-	296	147	-
Cyanide (total)	CE077	mg/kg CN	-	-	-	-	-	<1
Phenols (total)	CE078	mg/kg PhOH	-	-	-	-	-	<0.5
Total Organic Carbon (TOC)	CE197	% w/w C	-	-	4.5	-	1.0	1.8
PAH								
Naphthalene	CE087 ^M	mg/kg	<0.02	6.39	-	<0.02	20.06	0.16
Acenaphthylene	CE087 ^M	mg/kg	<0.02	0.94	-	<0.02	1.12	<0.02
Acenaphthene	CE087 ^M	mg/kg	<0.02	6.64	-	0.03	21.28	0.05
Fluorene	CE087 ^U	mg/kg	<0.02	4.44	-	<0.02	13.90	0.03
Phenanthrene	CE087 ^M	mg/kg	<0.02	31.35	-	0.15	91.79	0.16
Anthracene	CE087 ^U	mg/kg	<0.02	7.70	-	0.03	19.03	0.04
Fluoranthene	CE087 ^M	mg/kg	<0.02	41.50	-	0.16	86.53	0.15
Pyrene	CE087 ^M	mg/kg	<0.02	38.62	-	0.15	82.63	0.14
Benzo(a)anthracene	CE087 ^U	mg/kg	<0.02	19.12	-	0.07	36.04	0.07
Chrysene	CE087 ^M	mg/kg	<0.03	16.83	-	0.07	40.76	0.06
Benzo(b)fluoranthene	CE087 ^M	mg/kg	<0.02	24.75	-	0.11	42.52	0.09
Benzo(k)fluoranthene	CE087 ^M	mg/kg	<0.03	10.18	-	0.04	18.27	0.03
Benzo(a)pyrene	CE087 ^U	mg/kg	<0.02	24.04	-	0.09	40.76	0.08
Indeno(123cd)pyrene	CE087 ^M	mg/kg	<0.02	17.84	-	0.08	29.35	0.06
Dibenz(ah)anthracene	CE087 ^M	mg/kg	<0.02	3.44	-	<0.02	6.05	<0.02
Benzo(ghi)perylene	CE087 ^M	mg/kg	<0.02	16.59	-	0.07	28.22	0.06
PAH (total of USEPA 16)	CE087	mg/kg	<0.34	270	-	1.04	578	1.19
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	-	-	<0.01	-

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-19 WS1 3.65-3.80 28/04/2021	95656-20 WS2 0.25 28/04/2021	95656-21 WS2 0.90 28/04/2021	95656-22 WS2 1.80 28/04/2021	95656-23 WS3 0.20 28/04/2021	95656-24 WS3 0.80 28/04/2021
Test	Method	Units						
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	-	-	<0.01	-
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	-	-	0.01	-
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	-	-	21	-
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	-	-	23	-
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	-	-	295	-
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	-	-	215	-
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	-	-	29	-
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	-	-	<0.1	-
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	-	-	15	-
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	-	-	80	-
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	-	-	1933	-
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	-	-	1494	-
VPH (>C5-C7)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH (>C7-C8)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH (>C8-C10)	CE067	mg/kg	-	-	-	-	0.3	-
EPH (>C10-C40)	CE033 ^M	mg/kg	-	-	-	-	-	57
EPH (>C10-C12)	CE033 ^U	mg/kg	-	-	-	-	14	-
EPH (>C12-C16)	CE033 ^M	mg/kg	-	-	-	-	59	-
EPH (>C16-C21)	CE033 ^M	mg/kg	-	-	-	-	253	-
EPH (>C21-C35)	CE033 ^M	mg/kg	-	-	-	-	1767	-
EPH (>C35-C44)	CE033 ^M	mg/kg	-	-	-	-	1207	-
Volatiles								
MTBE	CE192 ^U	mg/kg	<0.02	<0.02	-	<0.02	-	-
Benzene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	-	-
Toluene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	-	-
Ethylbenzene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	-	-
m & p-Xylene	CE192 ^U	mg/kg	<0.02	<0.02	-	<0.02	-	-
o-Xylene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	-	-
Dichlorodifluoromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Chloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Vinyl chloride	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Bromomethane	CE174	mg/kg	<0.03	<0.03	-	<0.03	-	-
Chloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Trichlorofluoromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Trans-1,2-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1-Dichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
2,2-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Cis-1,2-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-

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Lab number Sample id Depth (m) Date sampled			95656-19 WS1 3.65-3.80 28/04/2021	95656-20 WS2 0.25 28/04/2021	95656-21 WS2 0.90 28/04/2021	95656-22 WS2 1.80 28/04/2021	95656-23 WS3 0.20 28/04/2021	95656-24 WS3 0.80 28/04/2021
Test	Method	Units						
Bromochloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Chloroform	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1,1-Trichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Carbon tetrachloride	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2-Dichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Trichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Dibromomethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Bromodichloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
cis-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
trans-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1,2-Trichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Tetrachloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,3-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Dibromochloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2-Dibromoethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Chlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1,1,2-Tetrachloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Styrene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Tribromomethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Isopropylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Bromobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1,2,2-Tetrachloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2,3-Trichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Propylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
2-Chlorotoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
4-Chlorotoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,3,5-Trimethylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
tert-Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2,4-Trimethylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
sec-Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,3-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
4-Isopropyltoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,4-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2-Dibromo-3-chloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2,4-Trichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Hexachloro-1,3-butadiene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2,3-Trichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-

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Lab number Sample id Depth (m) Date sampled			95656-19 WS1 3.65-3.80 28/04/2021	95656-20 WS2 0.25 28/04/2021	95656-21 WS2 0.90 28/04/2021	95656-22 WS2 1.80 28/04/2021	95656-23 WS3 0.20 28/04/2021	95656-24 WS3 0.80 28/04/2021
Test	Method	Units						
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	-	<0.1	-	-	-	-
Phenol	CE189	mg/kg	-	0.2	-	-	-	-
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	-	-	-	-
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	-	3.2	-	-	-	-
1-Methylnaphthalene	CE189	mg/kg	-	3.1	-	-	-	-
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	-	3.1	-	-	-	-
2,4-Dinitrotoluene	CE189	mg/kg	-	<0.1	-	-	-	-
Dibenzofuran	CE189	mg/kg	-	3.1	-	-	-	-
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	-	-	-	-

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SOILS

Lab number			95656-19	95656-20	95656-21	95656-22	95656-23	95656-24
Sample id			WS1	WS2	WS2	WS2	WS3	WS3
Depth (m)			3.65-3.80	0.25	0.90	1.80	0.20	0.80
Date sampled			28/04/2021	28/04/2021	28/04/2021	28/04/2021	28/04/2021	28/04/2021
Test	Method	Units						
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	-	2.5	-	-	-	-
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	-	-	-	-
PCB								
PCB Congener 28	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 52	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 101	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 118	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 138	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 153	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 180	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	-	-	-	-
Subcontracted analysis								
Asbestos (qualitative)	\$	-	-	NAD	-	-	-	NAD

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-25 WS3 1.50 28/04/2021	95656-26 WS3 2.50-2.90 28/04/2021	95656-27 WS4 0.50 28/04/2021	95656-28 WS4 1.10-1.20 28/04/2021	95656-29 WS4 1.80-1.90 28/04/2021	95656-30 WS5 0.30 28/04/2021
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	-	-	15	-	-	-
Boron (water soluble)	CE063	mg/kg B	-	-	1.1	-	-	-
Cadmium (total)	CE127 ^M	mg/kg Cd	-	-	0.6	-	-	-
Chromium (total)	CE127 ^M	mg/kg Cr	-	-	58	-	-	-
Chromium (VI)	CE146	mg/kg CrVI	-	-	<1	-	-	-
Copper (total)	CE127 ^M	mg/kg Cu	-	-	296	-	-	-
Lead (total)	CE127 ^M	mg/kg Pb	-	-	598	-	-	-
Mercury (total)	CE127 ^M	mg/kg Hg	-	-	0.9	-	-	-
Nickel (total)	CE127 ^M	mg/kg Ni	-	-	32	-	-	-
Selenium (total)	CE127 ^M	mg/kg Se	-	-	1.0	-	-	-
Zinc (total)	CE127 ^M	mg/kg Zn	-	-	243	-	-	-
pH	CE004 ^M	units	7.1	7.6	8.3	8.1	8.5	-
Magnesium (2:1 water soluble)	CE061	mg/l Mg	4.6	-	2.5	-	-	-
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	5.0	-	7.5	-	-	-
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	9.5	-	1.7	-	-	-
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	126	50	118	37	258	-
Sulphate (total)	CE062	mg/kg SO ₄	540	144	965	397	2281	-
Sulphur (total)	CE119	mg/kg S	359	106	791	364	1591	-
Cyanide (total)	CE077	mg/kg CN	-	-	<1	-	-	-
Phenols (total)	CE078	mg/kg PhOH	-	-	<0.5	-	-	-
Total Organic Carbon (TOC)	CE197	% w/w C	-	-	5.0	4.0	-	-
PAH								
Naphthalene	CE087 ^M	mg/kg	<0.02	-	42.54	-	<0.02	22.29
Acenaphthylene	CE087 ^M	mg/kg	<0.02	-	<0.02	-	<0.02	0.53
Acenaphthene	CE087 ^M	mg/kg	<0.02	-	50.18	-	<0.02	9.87
Fluorene	CE087 ^U	mg/kg	<0.02	-	29.19	-	<0.02	5.97
Phenanthrene	CE087 ^M	mg/kg	0.03	-	214.06	-	<0.02	39.83
Anthracene	CE087 ^U	mg/kg	<0.02	-	37.47	-	<0.02	7.30
Fluoranthene	CE087 ^M	mg/kg	<0.02	-	178.45	-	<0.02	35.66
Pyrene	CE087 ^M	mg/kg	<0.02	-	165.88	-	<0.02	34.59
Benzo(a)anthracene	CE087 ^U	mg/kg	<0.02	-	66.61	-	<0.02	16.88
Chrysene	CE087 ^M	mg/kg	<0.03	-	77.66	-	<0.03	18.70
Benzo(b)fluoranthene	CE087 ^M	mg/kg	<0.02	-	78.13	-	<0.02	18.37
Benzo(k)fluoranthene	CE087 ^M	mg/kg	<0.03	-	29.55	-	<0.03	6.83
Benzo(a)pyrene	CE087 ^U	mg/kg	<0.02	-	71.43	-	<0.02	16.46
Indeno(123cd)pyrene	CE087 ^M	mg/kg	<0.02	-	43.17	-	<0.02	10.56
Dibenz(ah)anthracene	CE087 ^M	mg/kg	<0.02	-	10.59	-	<0.02	2.50
Benzo(ghi)perylene	CE087 ^M	mg/kg	<0.02	-	49.12	-	<0.02	10.21
PAH (total of USEPA 16)	CE087	mg/kg	<0.34	-	1144	-	<0.34	257
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	<0.01	-	-	<0.01

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-25 WS3 1.50 28/04/2021	95656-26 WS3 2.50-2.90 28/04/2021	95656-27 WS4 0.50 28/04/2021	95656-28 WS4 1.10-1.20 28/04/2021	95656-29 WS4 1.80-1.90 28/04/2021	95656-30 WS5 0.30 28/04/2021
Test	Method	Units						
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	<0.01	-	-	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	0.05	-	-	0.05
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	44	-	-	23
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	51	-	-	11
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	626	-	-	124
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	378	-	-	91
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	50	-	-	11
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	<0.1	-	-	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	<0.1	-	-	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	<0.1	-	-	0.2
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	<4	-	-	36
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	47	-	-	95
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	1908	-	-	1109
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	1066	-	-	678
VPH (>C5-C7)	CE067	mg/kg	-	-	-	-	-	-
VPH (>C7-C8)	CE067	mg/kg	-	-	-	-	-	-
VPH (>C8-C10)	CE067	mg/kg	-	-	-	-	-	-
EPH (>C10-C40)	CE033 ^M	mg/kg	-	-	4665	-	<10	-
EPH (>C10-C12)	CE033 ^U	mg/kg	-	-	-	-	-	-
EPH (>C12-C16)	CE033 ^M	mg/kg	-	-	-	-	-	-
EPH (>C16-C21)	CE033 ^M	mg/kg	-	-	-	-	-	-
EPH (>C21-C35)	CE033 ^M	mg/kg	-	-	-	-	-	-
EPH (>C35-C44)	CE033 ^M	mg/kg	-	-	-	-	-	-
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	-	-	-	-	-	0.02
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

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-25 WS3 1.50 28/04/2021	95656-26 WS3 2.50-2.90 28/04/2021	95656-27 WS4 0.50 28/04/2021	95656-28 WS4 1.10-1.20 28/04/2021	95656-29 WS4 1.80-1.90 28/04/2021	95656-30 WS5 0.30 28/04/2021
Test	Method	Units						
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
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

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-25 WS3 1.50 28/04/2021	95656-26 WS3 2.50-2.90 28/04/2021	95656-27 WS4 0.50 28/04/2021	95656-28 WS4 1.10-1.20 28/04/2021	95656-29 WS4 1.80-1.90 28/04/2021	95656-30 WS5 0.30 28/04/2021
Test	Method	Units						
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	-	-	-	-	-	<0.1
Phenol	CE189	mg/kg	-	-	-	-	-	0.7
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	-	-	-	-	-	2.7
N-Nitrosodi-n-propylamine	CE189	mg/kg	-	-	-	-	-	<0.1
Hexachloroethane	CE189	mg/kg	-	-	-	-	-	<0.1
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	-	-	-	-	-	7.7
1-Methylnaphthalene	CE189	mg/kg	-	-	-	-	-	6.2
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	-	-	-	-	-	4.6
2,4-Dinitrotoluene	CE189	mg/kg	-	-	-	-	-	<0.1
Dibenzofuran	CE189	mg/kg	-	-	-	-	-	5.3
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

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-25 WS3 1.50 28/04/2021	95656-26 WS3 2.50-2.90 28/04/2021	95656-27 WS4 0.50 28/04/2021	95656-28 WS4 1.10-1.20 28/04/2021	95656-29 WS4 1.80-1.90 28/04/2021	95656-30 WS5 0.30 28/04/2021
Test	Method	Units						
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	-	-	-	-	-	2.9
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
PCB								
PCB Congener 28	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 52	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 101	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 118	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 138	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 153	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 180	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	-	-	-	-
Subcontracted analysis								
Asbestos (qualitative)	\$	-	-	-	NAD	-	-	-

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SOILS

Lab number			95656-31	95656-32	95656-33
Sample id			WS5	WS5	WS5
Depth (m)			0.80	1.60	3.50
Date sampled			28/04/2021	28/04/2021	28/04/2021
Test	Method	Units			
Arsenic (total)	CE127 ^M	mg/kg As	-	-	-
Boron (water soluble)	CE063	mg/kg B	-	-	-
Cadmium (total)	CE127 ^M	mg/kg Cd	-	-	-
Chromium (total)	CE127 ^M	mg/kg Cr	-	-	-
Chromium (VI)	CE146	mg/kg CrVI	-	-	-
Copper (total)	CE127 ^M	mg/kg Cu	-	-	-
Lead (total)	CE127 ^M	mg/kg Pb	-	-	-
Mercury (total)	CE127 ^M	mg/kg Hg	-	-	-
Nickel (total)	CE127 ^M	mg/kg Ni	-	-	-
Selenium (total)	CE127 ^M	mg/kg Se	-	-	-
Zinc (total)	CE127 ^M	mg/kg Zn	-	-	-
pH	CE004 ^M	units	8.2	-	8.2
Magnesium (2:1 water soluble)	CE061	mg/l Mg	2.0	-	-
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	3.2	-	-
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	1.3	-	-
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	32	-	22
Sulphate (total)	CE062	mg/kg SO ₄	320	-	<100
Sulphur (total)	CE119	mg/kg S	198	-	<100
Cyanide (total)	CE077	mg/kg CN	-	-	-
Phenols (total)	CE078	mg/kg PhOH	-	-	-
Total Organic Carbon (TOC)	CE197	% w/w C	-	2.3	-
PAH					
Naphthalene	CE087 ^M	mg/kg	-	0.03	<0.02
Acenaphthylene	CE087 ^M	mg/kg	-	<0.02	<0.02
Acenaphthene	CE087 ^M	mg/kg	-	<0.02	<0.02
Fluorene	CE087 ^U	mg/kg	-	<0.02	<0.02
Phenanthrene	CE087 ^M	mg/kg	-	0.05	0.02
Anthracene	CE087 ^U	mg/kg	-	<0.02	<0.02
Fluoranthene	CE087 ^M	mg/kg	-	0.05	0.03
Pyrene	CE087 ^M	mg/kg	-	0.06	0.03
Benzo(a)anthracene	CE087 ^U	mg/kg	-	0.09	<0.02
Chrysene	CE087 ^M	mg/kg	-	0.12	<0.03
Benzo(b)fluoranthene	CE087 ^M	mg/kg	-	0.26	0.03
Benzo(k)fluoranthene	CE087 ^M	mg/kg	-	0.11	<0.03
Benzo(a)pyrene	CE087 ^U	mg/kg	-	0.23	0.03
Indeno(123cd)pyrene	CE087 ^M	mg/kg	-	0.20	0.03
Dibenz(ah)anthracene	CE087 ^M	mg/kg	-	0.06	<0.02
Benzo(ghi)perylene	CE087 ^M	mg/kg	-	0.19	0.03
PAH (total of USEPA 16)	CE087	mg/kg	-	1.46	<0.34
TPH					
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	<0.01	-

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-31 WS5 0.80 28/04/2021	95656-32 WS5 1.60 28/04/2021	95656-33 WS5 3.50 28/04/2021
Test	Method	Units			
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	<0.01	-
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	<0.01	-
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	<1	-
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	<1	-
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	<1	-
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	2	-
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	<1	-
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	<0.1	-
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	<0.1	-
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	<0.1	-
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	<4	-
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	<4	-
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	4	-
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	<10	-
VPH (>C5-C7)	CE067	mg/kg	-	-	-
VPH (>C7-C8)	CE067	mg/kg	-	-	-
VPH (>C8-C10)	CE067	mg/kg	-	-	-
EPH (>C10-C40)	CE033 ^M	mg/kg	-	-	-
EPH (>C10-C12)	CE033 ^U	mg/kg	-	-	-
EPH (>C12-C16)	CE033 ^M	mg/kg	-	-	-
EPH (>C16-C21)	CE033 ^M	mg/kg	-	-	-
EPH (>C21-C35)	CE033 ^M	mg/kg	-	-	-
EPH (>C35-C44)	CE033 ^M	mg/kg	-	-	-
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	-	-	-

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-31 WS5 0.80 28/04/2021	95656-32 WS5 1.60 28/04/2021	95656-33 WS5 3.50 28/04/2021
Test	Method	Units			
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	-	-	-
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	-	-	-

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SOILS

Lab number			95656-31	95656-32	95656-33
Sample id			WS5	WS5	WS5
Depth (m)			0.80	1.60	3.50
Date sampled			28/04/2021	28/04/2021	28/04/2021
Test	Method	Units			
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	-	-	-
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	-	-	-

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SOILS

Lab number			95656-31	95656-32	95656-33
Sample id			WS5	WS5	WS5
Depth (m)			0.80	1.60	3.50
Date sampled			28/04/2021	28/04/2021	28/04/2021
Test	Method	Units			
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	-	-	-
PCB					
PCB Congener 28	CE137 ^M	mg/kg	-	-	-
PCB Congener 52	CE137 ^M	mg/kg	-	-	-
PCB Congener 101	CE137 ^M	mg/kg	-	-	-
PCB Congener 118	CE137 ^M	mg/kg	-	-	-
PCB Congener 138	CE137 ^M	mg/kg	-	-	-
PCB Congener 153	CE137 ^M	mg/kg	-	-	-
PCB Congener 180	CE137 ^M	mg/kg	-	-	-
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	-
Subcontracted analysis					
Asbestos (qualitative)	\$	-	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
CE063	Boron (water soluble)	Hot water extract, ICP-OES	Dry		0.5	mg/kg B
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	Magnesium (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry		1	mg/l Mg
CE049	Chloride (2:1 water soluble)	Aqueous extraction, IC-COND	Dry	U	1	mg/l Cl
CE049	Nitrate (2:1 water soluble)	Aqueous extraction, IC-COND	Dry	U	1	mg/l NO ₃
CE061	Sulphate (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry		10	mg/l SO ₄
CE062	Sulphate (total)	Acid extraction, ICP-OES	Dry		100	mg/kg SO ₄
CE119	Sulphur (total)	Acid extraction, ICP-OES	Dry		100	mg/kg S
CE077	Cyanide (total)	Extraction, Continuous Flow Colorimetry	As received		1	mg/kg CN
CE078	Phenols (total)	Extraction, Continuous Flow Colorimetry	As received		0.5	mg/kg PhOH
CE197	Total Organic Carbon (TOC)	Carbon Analyser	Dry		0.1	% w/w C
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

Chemtech Environmental Limited

METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
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
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
CE067	VPH (>C5-C7)	Headspace GC-FID	As received		0.1	mg/kg
CE067	VPH (>C7-C8)	Headspace GC-FID	As received		0.1	mg/kg
CE067	VPH (>C8-C10)	Headspace GC-FID	As received		0.1	mg/kg
CE033	EPH (>C10-C40)	Solvent extraction, GC-FID	As received	M	10	mg/kg
CE033	EPH (>C10-C12)	Solvent extraction, GC-FID	As received	U	4	mg/kg
CE033	EPH (>C12-C16)	Solvent extraction, GC-FID	As received	M	4	mg/kg
CE033	EPH (>C16-C21)	Solvent extraction, GC-FID	As received	M	4	mg/kg
CE033	EPH (>C21-C35)	Solvent extraction, GC-FID	As received	M	6	mg/kg
CE033	EPH (>C35-C44)	Solvent extraction, GC-FID	As received	M	10	mg/kg
CE192	MTBE	Headspace GC-FID	As received	U	0.02	mg/kg
CE192	Benzene	Headspace GC-FID	As received	U	0.01	mg/kg
CE192	Toluene	Headspace GC-FID	As received	U	0.01	mg/kg
CE192	Ethylbenzene	Headspace GC-FID	As received	U	0.01	mg/kg
CE192	m & p-Xylene	Headspace GC-FID	As received	U	0.02	mg/kg
CE192	o-Xylene	Headspace GC-FID	As received	U	0.01	mg/kg
CE174	Dichlorodifluoromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Chloromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Vinyl chloride	Headspace GC-MS	As received		0.01	mg/kg
CE174	Bromomethane	Headspace GC-MS	As received		0.03	mg/kg
CE174	Chloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Trichlorofluoromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1-Dichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Trans-1,2-Dichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1-Dichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	2,2-Dichloropropane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Cis-1,2-Dichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Bromochloromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Chloroform	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,1-Trichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Carbon tetrachloride	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1-Dichloro-1-propene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Trichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dichloropropane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Dibromomethane	Headspace GC-MS	As received		0.01	mg/kg

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE174	Bromodichloromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	cis-1,3-Dichloro-1-propene	Headspace GC-MS	As received		0.01	mg/kg
CE174	trans-1,3-Dichloro-1-propene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,2-Trichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Tetrachloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,3-Dichloropropane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Dibromochloromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dibromoethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Chlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,1,2-Tetrachloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Styrene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Tribromomethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Isopropylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Bromobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,2,2-Tetrachloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2,3-Trichloropropane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Propylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	2-Chlorotoluene	Headspace GC-MS	As received		0.01	mg/kg
CE174	4-Chlorotoluene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,3,5-Trimethylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	tert-Butylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2,4-Trimethylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	sec-Butylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,3-Dichlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	4-Isopropyltoluene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,4-Dichlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dichlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Butylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dibromo-3-chloropropane	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2,4-Trichlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Hexachloro-1,3-butadiene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2,3-Trichlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE189	N-Nitrosodimethylamine	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Phenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Bis(2-chloroethyl)ether	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Chlorophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	1,3-Dichlorobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	1,4-Dichlorobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Methylphenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	1,2-Dichlorobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Bis(2-chloroisopropyl)ether	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	3&4-Methylphenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	N-Nitrosodi-n-propylamine	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Hexachloroethane	Solvent extraction, GC-MS	As received		0.1	mg/kg

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE189	Nitrobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Isophorone	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4-Dimethylphenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Nitrophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Bis(2-chloroethoxy)methane	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4-Dichlorophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	1,2,4-Trichlorobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Chloroaniline	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Hexachlorobutadiene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Chloro-3-methylphenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Methylnaphthalene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	1-Methylnaphthalene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Hexachlorocyclopentadiene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4,6-Trichlorophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4,5-Trichlorophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Chloronaphthalene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Nitroaniline	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Dimethyl phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,6-Dinitrotoluene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	3-Nitroaniline	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4-Dinitrophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Nitrophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4-Dinitrotoluene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Dibenzofuran	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Diethyl phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Chlorophenylphenyl ether	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Nitroaniline	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Methyl-4,6-dinitrophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Azobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Bromophenylphenyl ether	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Hexachlorobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Pentachlorophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Carbazole	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Di-n-butyl phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Butylbenzyl phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Bis(2-ethylhexyl)phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Di-n-octyl phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE137	PCB Congener 28	Solvent extraction, GC-MS	As received	M	0.004	mg/kg
CE137	PCB Congener 52	Solvent extraction, GC-MS	As received	M	0.004	mg/kg
CE137	PCB Congener 101	Solvent extraction, GC-MS	As received	M	0.008	mg/kg
CE137	PCB Congener 118	Solvent extraction, GC-MS	As received	M	0.006	mg/kg
CE137	PCB Congener 138	Solvent extraction, GC-MS	As received	M	0.006	mg/kg
CE137	PCB Congener 153	Solvent extraction, GC-MS	As received	M	0.009	mg/kg
CE137	PCB Congener 180	Solvent extraction, GC-MS	As received	M	0.008	mg/kg

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE137	PCB (total of ICES 7)	Solvent extraction, GC-MS	As received	M	0.045	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)
95656-1	TP1	0.40	N	
95656-2	TP1	1.25	N	
95656-3	TP1	1.80	N	
95656-4	TP2	0.80	N	
95656-5	TP2	1.80	N	
95656-6	TP3	0.30	N	
95656-7	TP3	0.70	N	
95656-8	TP4	0.25	N	
95656-9	TP4	0.70	N	
95656-10	TP5	0.40	N	
95656-11	TP5	0.75	N	
95656-12	TP5	1.40	N	
95656-13	TP6	0.90	N	
95656-14	TP6	1.80	N	
95656-15	TP7	0.25	N	
95656-16	TP7	1.40	N	
95656-17	TP7	1.70	N	
95656-18	WS1	0.20	N	
95656-19	WS1	3.65-3.80	N	
95656-20	WS2	0.25	N	
95656-21	WS2	0.90	N	
95656-22	WS2	1.80	N	
95656-23	WS3	0.20	N	
95656-24	WS3	0.80	N	
95656-25	WS3	1.50	N	
95656-26	WS3	2.50-2.90	N	
95656-27	WS4	0.50	N	
95656-28	WS4	1.10-1.20	N	
95656-29	WS4	1.80-1.90	N	
95656-30	WS5	0.30	N	

Chemtech Environmental Limited

DEVIATING SAMPLE INFORMATION

Comments

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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)
95656-31	WS5	0.80	N	
95656-32	WS5	1.60	N	
95656-33	WS5	3.50	N	

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TEST REPORT REVISIONS

The table below identifies amendments that have been made to this test report for each revision.

Test Report Reference	Details of amendments to test report	Issue Date
95656	Original report issued	11 May 2021
95656(1)	Additional testing on samples 6,8,23,27 and 29.	19 May 2021



ANALYTICAL TEST REPORT

Contract no: 95656(2)

Contract name: Commercial Street, Manchester

Client reference: TLC1143

Clients name: The Land Consultancy

Clients address: 4 Parker Lane
Whitestake, Preston
Lancashire
PR4 4JX

Samples received: 04 May 2021

Analysis started: 15 June 2021

Analysis completed: 17 June 2021

Report issued: 17 June 2021

This is a supplementary report to report number 95656 issued 11 May 2021.

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:

John Campbell
Director

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
95656-1	TP1	0.40	Sand with Gravel	-	-	14.8
95656-2	TP1	1.25	Sandy Clay	-	-	22.4
95656-3	TP1	1.80	Sandy Clay	-	-	22.5
95656-4	TP2	0.80	Sandy Clay	-	-	28.0
95656-5	TP2	1.80	Clayey Sand with Gravel	-	-	18.5
95656-6	TP3	0.30	Sandy Clay with Gravel	-	-	17.5
95656-7	TP3	0.70	Sandy Clay with Gravel	-	-	17.9
95656-8	TP4	0.25	Sand with Gravel	-	-	15.8
95656-9	TP4	0.70	Sandy Clay with Gravel	-	-	20.6
95656-10	TP5	0.40	Sand with Gravel	-	-	11.2
95656-11	TP5	0.75	Sandy Clay with Gravel	-	-	15.0
95656-12	TP5	1.40	Sandy Loam	-	-	23.9
95656-13	TP6	0.90	Sand with Gravel	-	-	17.5
95656-14	TP6	1.80	Sand with Gravel	-	-	20.8
95656-15	TP7	0.25	Sand with Gravel	-	-	13.0
95656-16	TP7	1.40	Loamy Sand	-	-	22.0
95656-17	TP7	1.70	Sandy Clay	-	-	18.4
95656-18	WS1	0.20	Sand with Gravel	-	-	9.6
95656-19	WS1	3.65-3.80	Sand	-	-	10.1
95656-20	WS2	0.25	Sand with Gravel	-	-	9.0
95656-21	WS2	0.90	Sand with Gravel	-	-	13.1
95656-22	WS2	1.80	Sandy Clay	-	-	21.9
95656-23	WS3	0.20	Sandy Clay with Gravel	-	-	17.3
95656-24	WS3	0.80	Sandy Clay with Gravel	-	-	17.3
95656-25	WS3	1.50	Clayey Sand with Gravel	-	-	21.9
95656-26	WS3	2.50-2.90	Sand with Gravel	-	-	9.3
95656-27	WS4	0.50	Sand with Gravel	-	-	10.8
95656-28	WS4	1.10-1.20	Sandy Clay with Gravel	-	-	22.9
95656-29	WS4	1.80-1.90	Sand with Gravel	-	-	13.9
95656-30	WS5	0.30	Sandy Clay with Gravel	-	-	13.4
95656-31	WS5	0.80	Sandy Clay with Gravel	-	-	19.5
95656-32	WS5	1.60	Sandy Clay with Gravel	-	-	23.4
95656-33	WS5	3.50	Sand with Gravel	-	-	6.8

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-1 TP1 0.40 29/04/2021	95656-2 TP1 1.25 29/04/2021	95656-3 TP1 1.80 29/04/2021	95656-4 TP2 0.80 29/04/2021	95656-5 TP2 1.80 29/04/2021	95656-6 TP3 0.30 29/04/2021
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	-	-	-	-	-	12
Boron (water soluble)	CE063	mg/kg B	-	-	-	-	-	0.9
Cadmium (total)	CE127 ^M	mg/kg Cd	-	-	-	-	-	<0.2
Chromium (total)	CE127 ^M	mg/kg Cr	-	-	-	-	-	69
Chromium (VI)	CE146	mg/kg CrVI	-	-	-	-	-	<1
Copper (total)	CE127 ^M	mg/kg Cu	-	-	-	-	-	59
Lead (total)	CE127 ^M	mg/kg Pb	-	-	-	-	-	209
Mercury (total)	CE127 ^M	mg/kg Hg	-	-	-	-	-	<0.5
Nickel (total)	CE127 ^M	mg/kg Ni	-	-	-	-	-	21
Selenium (total)	CE127 ^M	mg/kg Se	-	-	-	-	-	1.1
Zinc (total)	CE127 ^M	mg/kg Zn	-	-	-	-	-	92
pH	CE004 ^M	units	-	-	-	-	-	7.8
Magnesium (2:1 water soluble)	CE061	mg/l Mg	-	-	-	-	-	-
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	-	-	-	-	-	-
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	-	-	-	-	-	-
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	-	-	-	-	-	-
Sulphate (total)	CE062	mg/kg SO ₄	-	-	-	-	-	1046
Sulphur (total)	CE119	mg/kg S	-	-	-	-	-	-
Cyanide (total)	CE077	mg/kg CN	-	-	-	-	-	<1
Phenols (total)	CE078	mg/kg PhOH	-	-	-	-	-	<0.5
Total Organic Carbon (TOC)	CE197	% w/w C	-	-	0.8	-	-	3.3
PAH								
Naphthalene	CE087 ^M	mg/kg	0.06	-	-	0.10	-	1.32
Acenaphthylene	CE087 ^M	mg/kg	0.19	-	-	0.18	-	0.76
Acenaphthene	CE087 ^M	mg/kg	0.28	-	-	0.22	-	4.55
Fluorene	CE087 ^U	mg/kg	0.19	-	-	0.13	-	2.88
Phenanthrene	CE087 ^M	mg/kg	2.83	-	-	1.97	-	40.25
Anthracene	CE087 ^U	mg/kg	0.87	-	-	0.63	-	18.96
Fluoranthene	CE087 ^M	mg/kg	6.15	-	-	6.20	-	126.92
Pyrene	CE087 ^M	mg/kg	5.34	-	-	5.83	-	109.63
Benzo(a)anthracene	CE087 ^U	mg/kg	3.09	-	-	3.35	-	48.27
Chrysene	CE087 ^M	mg/kg	2.76	-	-	2.79	-	49.52
Benzo(b)fluoranthene	CE087 ^M	mg/kg	4.51	-	-	4.83	-	59.35
Benzo(k)fluoranthene	CE087 ^M	mg/kg	1.88	-	-	1.89	-	23.89
Benzo(a)pyrene	CE087 ^U	mg/kg	4.18	-	-	4.61	-	58.33
Indeno(123cd)pyrene	CE087 ^M	mg/kg	3.49	-	-	3.64	-	43.31
Dibenz(ah)anthracene	CE087 ^M	mg/kg	0.66	-	-	0.75	-	6.22
Benzo(ghi)perylene	CE087 ^M	mg/kg	3.07	-	-	3.20	-	38.93
PAH (total of USEPA 16)	CE087	mg/kg	39.6	-	-	40.32	-	633
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	-	-	-	-

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Lab number Sample id Depth (m) Date sampled			95656-1 TP1 0.40 29/04/2021	95656-2 TP1 1.25 29/04/2021	95656-3 TP1 1.80 29/04/2021	95656-4 TP2 0.80 29/04/2021	95656-5 TP2 1.80 29/04/2021	95656-6 TP3 0.30 29/04/2021
Test	Method	Units						
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	-	-	-	-	-	-
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 (>C5-C7)	CE067	mg/kg	<0.1	-	-	-	-	<0.1
VPH (>C7-C8)	CE067	mg/kg	<0.1	-	-	-	-	<0.1
VPH (>C8-C10)	CE067	mg/kg	<0.1	-	-	-	-	<0.1
EPH (>C10-C40)	CE033 ^M	mg/kg	-	-	-	-	-	1453
EPH (>C10-C12)	CE033 ^U	mg/kg	<4	-	-	-	-	6
EPH (>C12-C16)	CE033 ^M	mg/kg	10	-	-	-	-	25
EPH (>C16-C21)	CE033 ^M	mg/kg	159	-	-	-	-	130
EPH (>C21-C35)	CE033 ^M	mg/kg	772	-	-	-	-	1416
EPH (>C35-C44)	CE033 ^M	mg/kg	288	-	-	-	-	1359
Volatiles								
MTBE	CE192 ^U	mg/kg	<0.02	<0.02	-	<0.02	<0.02	-
Benzene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Toluene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Ethylbenzene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
m & p-Xylene	CE192 ^U	mg/kg	<0.02	<0.02	-	<0.02	<0.02	-
o-Xylene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Dichlorodifluoromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Chloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Vinyl chloride	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Bromomethane	CE174	mg/kg	<0.03	<0.03	-	<0.03	<0.03	-
Chloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Trichlorofluoromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Trans-1,2-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1-Dichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
2,2-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Cis-1,2-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-

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Lab number Sample id Depth (m) Date sampled			95656-1 TP1 0.40 29/04/2021	95656-2 TP1 1.25 29/04/2021	95656-3 TP1 1.80 29/04/2021	95656-4 TP2 0.80 29/04/2021	95656-5 TP2 1.80 29/04/2021	95656-6 TP3 0.30 29/04/2021
Test	Method	Units						
Bromochloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Chloroform	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1,1-Trichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Carbon tetrachloride	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2-Dichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Trichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Dibromomethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Bromodichloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
cis-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
trans-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1,2-Trichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Tetrachloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,3-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Dibromochloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2-Dibromoethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Chlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1,1,2-Tetrachloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Styrene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Tribromomethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Isopropylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Bromobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,1,2,2-Tetrachloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2,3-Trichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Propylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
2-Chlorotoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
4-Chlorotoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,3,5-Trimethylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
tert-Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2,4-Trimethylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
sec-Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,3-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
4-Isopropyltoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,4-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2-Dibromo-3-chloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2,4-Trichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
Hexachloro-1,3-butadiene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-
1,2,3-Trichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	<0.01	-

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Lab number Sample id Depth (m) Date sampled			95656-1 TP1 0.40 29/04/2021	95656-2 TP1 1.25 29/04/2021	95656-3 TP1 1.80 29/04/2021	95656-4 TP2 0.80 29/04/2021	95656-5 TP2 1.80 29/04/2021	95656-6 TP3 0.30 29/04/2021
Test	Method	Units						
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Phenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Bis(2-chloroethyl)ether	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Chlorophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
1,3-Dichlorobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
1,4-Dichlorobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Methylphenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
1,2-Dichlorobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Bis(2-chloroisopropyl)ether	CE189	mg/kg	<0.1	-	-	<0.1	-	-
3&4-Methylphenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
N-Nitrosodi-n-propylamine	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Hexachloroethane	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Nitrobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Isophorone	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,4-Dimethylphenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Nitrophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Bis(2-chloroethoxy)methane	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,4-Dichlorophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
1,2,4-Trichlorobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Chloroaniline	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Hexachlorobutadiene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Chloro-3-methylphenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Methylnaphthalene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
1-Methylnaphthalene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Hexachlorocyclopentadiene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,4,6-Trichlorophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,4,5-Trichlorophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Chloronaphthalene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Nitroaniline	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Dimethyl phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,6-Dinitrotoluene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
3-Nitroaniline	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2,4-Dinitrophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Nitrophenol	CE189	mg/kg	0.1	-	-	<0.1	-	-
2,4-Dinitrotoluene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Dibenzofuran	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Diethyl phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Chlorophenylphenyl ether	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Nitroaniline	CE189	mg/kg	<0.1	-	-	<0.1	-	-
2-Methyl-4,6-dinitrophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-

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Lab number Sample id Depth (m) Date sampled			95656-1 TP1 0.40 29/04/2021	95656-2 TP1 1.25 29/04/2021	95656-3 TP1 1.80 29/04/2021	95656-4 TP2 0.80 29/04/2021	95656-5 TP2 1.80 29/04/2021	95656-6 TP3 0.30 29/04/2021
Test	Method	Units						
Azobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
4-Bromophenylphenyl ether	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Hexachlorobenzene	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Pentachlorophenol	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Carbazole	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Di-n-butyl phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Butylbenzyl phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Bis(2-ethylhexyl)phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
Di-n-octyl phthalate	CE189	mg/kg	<0.1	-	-	<0.1	-	-
PCB								
PCB Congener 28	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 52	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 101	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 118	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 138	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 153	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 180	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	-	-	-	-
Subcontracted analysis								
Asbestos (qualitative)	\$	-	-	-	-	-	-	NAD

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Lab number Sample id Depth (m) Date sampled			95656-7 TP3 0.70 29/04/2021	95656-8 TP4 0.25 29/04/2021	95656-9 TP4 0.70 29/04/2021	95656-10 TP5 0.40 29/04/2021	95656-11 TP5 0.75 29/04/2021	95656-12 TP5 1.40 29/04/2021
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	-	32	-	-	-	17
Boron (water soluble)	CE063	mg/kg B	-	1.4	-	-	-	1.5
Cadmium (total)	CE127 ^M	mg/kg Cd	-	0.4	-	-	-	0.2
Chromium (total)	CE127 ^M	mg/kg Cr	-	66	-	-	-	65
Chromium (VI)	CE146	mg/kg CrVI	-	<1	-	-	-	<1
Copper (total)	CE127 ^M	mg/kg Cu	-	230	-	-	-	48
Lead (total)	CE127 ^M	mg/kg Pb	-	910	-	-	-	144
Mercury (total)	CE127 ^M	mg/kg Hg	-	0.6	-	-	-	0.5
Nickel (total)	CE127 ^M	mg/kg Ni	-	40	-	-	-	25
Selenium (total)	CE127 ^M	mg/kg Se	-	1.3	-	-	-	1.0
Zinc (total)	CE127 ^M	mg/kg Zn	-	173	-	-	-	55
pH	CE004 ^M	units	-	8.4	-	-	-	7.3
Magnesium (2:1 water soluble)	CE061	mg/l Mg	-	-	-	-	-	-
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	-	-	-	-	-	-
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	-	-	-	-	-	-
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	-	-	-	-	-	-
Sulphate (total)	CE062	mg/kg SO ₄	-	2591	-	-	-	747
Sulphur (total)	CE119	mg/kg S	-	-	-	-	-	-
Cyanide (total)	CE077	mg/kg CN	-	<1	-	-	-	<1
Phenols (total)	CE078	mg/kg PhOH	-	<0.5	-	-	-	<0.5
Total Organic Carbon (TOC)	CE197	% w/w C	1.0	11.1	-	4.3	-	6.3
PAH								
Naphthalene	CE087 ^M	mg/kg	-	6.07	<0.02	114.10	0.05	<0.02
Acenaphthylene	CE087 ^M	mg/kg	-	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	CE087 ^M	mg/kg	-	6.95	<0.02	31.12	0.04	<0.02
Fluorene	CE087 ^U	mg/kg	-	3.97	<0.02	18.60	0.02	<0.02
Phenanthrene	CE087 ^M	mg/kg	-	30.71	0.02	117.90	0.18	0.03
Anthracene	CE087 ^U	mg/kg	-	5.92	<0.02	20.68	0.04	<0.02
Fluoranthene	CE087 ^M	mg/kg	-	33.15	<0.02	100.89	0.14	<0.02
Pyrene	CE087 ^M	mg/kg	-	31.87	<0.02	99.59	0.14	<0.02
Benzo(a)anthracene	CE087 ^U	mg/kg	-	15.06	<0.02	44.51	0.06	<0.02
Chrysene	CE087 ^M	mg/kg	-	14.76	<0.03	49.40	0.07	<0.03
Benzo(b)fluoranthene	CE087 ^M	mg/kg	-	17.74	<0.02	47.26	0.09	<0.02
Benzo(k)fluoranthene	CE087 ^M	mg/kg	-	6.60	<0.03	17.96	0.03	<0.03
Benzo(a)pyrene	CE087 ^U	mg/kg	-	17.03	<0.02	43.51	0.08	<0.02
Indeno(123cd)pyrene	CE087 ^M	mg/kg	-	11.74	<0.02	28.21	0.07	<0.02
Dibenz(ah)anthracene	CE087 ^M	mg/kg	-	2.57	<0.02	6.21	<0.02	<0.02
Benzo(ghi)perylene	CE087 ^M	mg/kg	-	11.18	<0.02	27.19	0.06	<0.02
PAH (total of USEPA 16)	CE087	mg/kg	-	215	<0.34	767	1.07	<0.34
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	-	<0.01	-	-

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Lab number Sample id Depth (m) Date sampled			95656-7 TP3 0.70 29/04/2021	95656-8 TP4 0.25 29/04/2021	95656-9 TP4 0.70 29/04/2021	95656-10 TP5 0.40 29/04/2021	95656-11 TP5 0.75 29/04/2021	95656-12 TP5 1.40 29/04/2021
Test	Method	Units						
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	-	<0.01	-	-
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	-	0.01	-	-
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	-	115	-	-
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	-	32	-	-
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	-	359	-	-
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	-	238	-	-
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	-	28	-	-
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	-	<0.1	-	-
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	-	<0.1	-	-
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	-	<0.1	-	-
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	-	28	-	-
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	-	108	-	-
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	-	1126	-	-
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	-	479	-	-
VPH (>C5-C7)	CE067	mg/kg	-	<0.1	-	-	<0.1	-
VPH (>C7-C8)	CE067	mg/kg	-	<0.1	-	-	<0.1	-
VPH (>C8-C10)	CE067	mg/kg	-	<0.1	-	-	<0.1	-
EPH (>C10-C40)	CE033 ^M	mg/kg	-	1691	-	-	-	39
EPH (>C10-C12)	CE033 ^U	mg/kg	-	15	-	-	<4	-
EPH (>C12-C16)	CE033 ^M	mg/kg	-	77	-	-	<4	-
EPH (>C16-C21)	CE033 ^M	mg/kg	-	259	-	-	<4	-
EPH (>C21-C35)	CE033 ^M	mg/kg	-	1264	-	-	<6	-
EPH (>C35-C44)	CE033 ^M	mg/kg	-	928	-	-	<10	-
Volatiles								
MTBE	CE192 ^U	mg/kg	-	-	<0.02	<0.02	-	-
Benzene	CE192 ^U	mg/kg	-	-	<0.01	<0.01	-	-
Toluene	CE192 ^U	mg/kg	-	-	<0.01	<0.01	-	-
Ethylbenzene	CE192 ^U	mg/kg	-	-	<0.01	<0.01	-	-
m & p-Xylene	CE192 ^U	mg/kg	-	-	<0.02	<0.02	-	-
o-Xylene	CE192 ^U	mg/kg	-	-	<0.01	<0.01	-	-
Dichlorodifluoromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Chloromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Vinyl chloride	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Bromomethane	CE174	mg/kg	-	-	<0.03	<0.03	-	-
Chloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Trichlorofluoromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1-Dichloroethene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Trans-1,2-Dichloroethene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1-Dichloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
2,2-Dichloropropane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Cis-1,2-Dichloroethene	CE174	mg/kg	-	-	<0.01	<0.01	-	-

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Test	Method	Units						
Bromochloromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Chloroform	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1,1-Trichloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Carbon tetrachloride	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1-Dichloro-1-propene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2-Dichloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Trichloroethene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2-Dichloropropane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Dibromomethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Bromodichloromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
cis-1,3-Dichloro-1-propene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
trans-1,3-Dichloro-1-propene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1,2-Trichloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Tetrachloroethene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,3-Dichloropropane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Dibromochloromethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2-Dibromoethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Chlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1,1,2-Tetrachloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Styrene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Tribromomethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Isopropylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Bromobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,1,2,2-Tetrachloroethane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2,3-Trichloropropane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Propylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
2-Chlorotoluene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
4-Chlorotoluene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,3,5-Trimethylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
tert-Butylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2,4-Trimethylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
sec-Butylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,3-Dichlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
4-Isopropyltoluene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,4-Dichlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2-Dichlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Butylbenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2-Dibromo-3-chloropropane	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2,4-Trichlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
Hexachloro-1,3-butadiene	CE174	mg/kg	-	-	<0.01	<0.01	-	-
1,2,3-Trichlorobenzene	CE174	mg/kg	-	-	<0.01	<0.01	-	-

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Lab number Sample id Depth (m) Date sampled			95656-7 TP3 0.70 29/04/2021	95656-8 TP4 0.25 29/04/2021	95656-9 TP4 0.70 29/04/2021	95656-10 TP5 0.40 29/04/2021	95656-11 TP5 0.75 29/04/2021	95656-12 TP5 1.40 29/04/2021
Test	Method	Units						
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	-	-	-	<0.1	-	-
Phenol	CE189	mg/kg	-	-	-	2.3	-	-
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	-	-	-	4.3	-	-
1,2-Dichlorobenzene	CE189	mg/kg	-	-	-	<0.1	-	-
Bis(2-chloroisopropyl)ether	CE189	mg/kg	-	-	-	<0.1	-	-
3&4-Methylphenol	CE189	mg/kg	-	-	-	12.0	-	-
N-Nitrosodi-n-propylamine	CE189	mg/kg	-	-	-	<0.1	-	-
Hexachloroethane	CE189	mg/kg	-	-	-	<0.1	-	-
Nitrobenzene	CE189	mg/kg	-	-	-	<0.1	-	-
Isophorone	CE189	mg/kg	-	-	-	<0.1	-	-
2,4-Dimethylphenol	CE189	mg/kg	-	-	-	4.6	-	-
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	-	-	-	28.9	-	-
1-Methylnaphthalene	CE189	mg/kg	-	-	-	19.5	-	-
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	-	-	-	15.0	-	-
2,4-Dinitrotoluene	CE189	mg/kg	-	-	-	<0.1	-	-
Dibenzofuran	CE189	mg/kg	-	-	-	16.9	-	-
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	-	-

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Test	Method	Units						
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	-	-	-	10.8	-	-
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	-	-
PCB								
PCB Congener 28	CE137 ^M	mg/kg	-	-	0.23	-	-	-
PCB Congener 52	CE137 ^M	mg/kg	-	-	<0.004	-	-	-
PCB Congener 101	CE137 ^M	mg/kg	-	-	<0.008	-	-	-
PCB Congener 118	CE137 ^M	mg/kg	-	-	<0.006	-	-	-
PCB Congener 138	CE137 ^M	mg/kg	-	-	<0.006	-	-	-
PCB Congener 153	CE137 ^M	mg/kg	-	-	<0.009	-	-	-
PCB Congener 180	CE137 ^M	mg/kg	-	-	<0.008	-	-	-
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	0.23	-	-	-
Subcontracted analysis								
Asbestos (qualitative)	\$	-	-	NAD	-	-	-	NAD

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Lab number Sample id Depth (m) Date sampled			95656-13 TP6 0.90 29/04/2021	95656-14 TP6 1.80 29/04/2021	95656-15 TP7 0.25 29/04/2021	95656-16 TP7 1.40 29/04/2021	95656-17 TP7 1.70 29/04/2021	95656-18 WS1 0.20 28/04/2021
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	-	-	-	-	-	-
Boron (water soluble)	CE063	mg/kg B	-	-	-	-	-	-
Cadmium (total)	CE127 ^M	mg/kg Cd	-	-	-	-	-	-
Chromium (total)	CE127 ^M	mg/kg Cr	-	-	-	-	-	-
Chromium (VI)	CE146	mg/kg CrVI	-	-	-	-	-	-
Copper (total)	CE127 ^M	mg/kg Cu	-	-	-	-	-	-
Lead (total)	CE127 ^M	mg/kg Pb	-	-	-	-	-	-
Mercury (total)	CE127 ^M	mg/kg Hg	-	-	-	-	-	-
Nickel (total)	CE127 ^M	mg/kg Ni	-	-	-	-	-	-
Selenium (total)	CE127 ^M	mg/kg Se	-	-	-	-	-	-
Zinc (total)	CE127 ^M	mg/kg Zn	-	-	-	-	-	-
pH	CE004 ^M	units	-	-	-	-	-	8.6
Magnesium (2:1 water soluble)	CE061	mg/l Mg	-	-	-	-	-	1.1
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	-	-	-	-	-	5.3
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	-	-	-	-	-	3.5
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	-	-	-	-	-	136
Sulphate (total)	CE062	mg/kg SO ₄	-	-	-	-	-	1409
Sulphur (total)	CE119	mg/kg S	-	-	-	-	-	1741
Cyanide (total)	CE077	mg/kg CN	-	-	-	-	-	-
Phenols (total)	CE078	mg/kg PhOH	-	-	-	-	-	-
Total Organic Carbon (TOC)	CE197	% w/w C	-	10.8	-	6.4	-	7.6
PAH								
Naphthalene	CE087 ^M	mg/kg	0.17	-	40.62	0.05	<0.02	0.35
Acenaphthylene	CE087 ^M	mg/kg	0.05	-	<0.02	<0.02	<0.02	0.46
Acenaphthene	CE087 ^M	mg/kg	0.20	-	108.37	0.05	<0.02	0.80
Fluorene	CE087 ^U	mg/kg	0.12	-	67.60	0.03	<0.02	0.47
Phenanthrene	CE087 ^M	mg/kg	1.43	-	495.98	0.22	<0.02	11.48
Anthracene	CE087 ^U	mg/kg	0.38	-	88.84	0.05	<0.02	2.73
Fluoranthene	CE087 ^M	mg/kg	2.57	-	440.39	0.13	<0.02	20.83
Pyrene	CE087 ^M	mg/kg	2.52	-	376.51	0.12	<0.02	18.17
Benzo(a)anthracene	CE087 ^U	mg/kg	1.28	-	154.70	0.05	<0.02	9.52
Chrysene	CE087 ^M	mg/kg	1.30	-	176.50	0.06	<0.03	8.41
Benzo(b)fluoranthene	CE087 ^M	mg/kg	2.14	-	171.22	0.06	<0.02	15.35
Benzo(k)fluoranthene	CE087 ^M	mg/kg	0.80	-	65.88	<0.03	<0.03	5.74
Benzo(a)pyrene	CE087 ^U	mg/kg	2.12	-	152.44	0.05	<0.02	13.96
Indeno(123cd)pyrene	CE087 ^M	mg/kg	1.59	-	24.05	0.05	<0.02	11.89
Dibenz(ah)anthracene	CE087 ^M	mg/kg	0.35	-	15.54	<0.02	<0.02	2.29
Benzo(ghi)perylene	CE087 ^M	mg/kg	1.48	-	97.75	0.04	<0.02	10.54
PAH (total of USEPA 16)	CE087	mg/kg	18.5	-	2476	0.95	<0.34	133
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	<0.01	<0.01	-	-

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Lab number Sample id Depth (m) Date sampled			95656-13 TP6 0.90 29/04/2021	95656-14 TP6 1.80 29/04/2021	95656-15 TP7 0.25 29/04/2021	95656-16 TP7 1.40 29/04/2021	95656-17 TP7 1.70 29/04/2021	95656-18 WS1 0.20 28/04/2021
Test	Method	Units						
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	<0.01	<0.01	-	-
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	0.17	<0.01	-	-
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	42	<1	-	-
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	109	<1	-	-
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	1470	<1	-	-
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	761	<1	-	-
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	99	<1	-	-
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	<0.1	<0.1	-	-
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	<0.1	<0.1	-	-
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	0.2	<0.1	-	-
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	26	<4	-	-
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	170	<4	-	-
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	2303	6	-	-
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	860	<10	-	-
VPH (>C5-C7)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH (>C7-C8)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH (>C8-C10)	CE067	mg/kg	-	-	-	-	<0.1	-
EPH (>C10-C40)	CE033 ^M	mg/kg	-	-	-	-	-	-
EPH (>C10-C12)	CE033 ^U	mg/kg	-	-	-	-	<4	-
EPH (>C12-C16)	CE033 ^M	mg/kg	-	-	-	-	<4	-
EPH (>C16-C21)	CE033 ^M	mg/kg	-	-	-	-	<4	-
EPH (>C21-C35)	CE033 ^M	mg/kg	-	-	-	-	<6	-
EPH (>C35-C44)	CE033 ^M	mg/kg	-	-	-	-	<10	-
Volatiles								
MTBE	CE192 ^U	mg/kg	<0.02	-	<0.02	<0.02	-	<0.02
Benzene	CE192 ^U	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Toluene	CE192 ^U	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Ethylbenzene	CE192 ^U	mg/kg	<0.01	-	0.02	<0.01	-	<0.01
m & p-Xylene	CE192 ^U	mg/kg	<0.02	-	0.08	<0.02	-	<0.02
o-Xylene	CE192 ^U	mg/kg	<0.01	-	0.07	<0.01	-	<0.01
Dichlorodifluoromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Chloromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Vinyl chloride	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Bromomethane	CE174	mg/kg	<0.03	-	<0.03	<0.03	-	<0.03
Chloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Trichlorofluoromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1-Dichloroethene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Trans-1,2-Dichloroethene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1-Dichloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
2,2-Dichloropropane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Cis-1,2-Dichloroethene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01

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Lab number Sample id Depth (m) Date sampled			95656-13 TP6 0.90 29/04/2021	95656-14 TP6 1.80 29/04/2021	95656-15 TP7 0.25 29/04/2021	95656-16 TP7 1.40 29/04/2021	95656-17 TP7 1.70 29/04/2021	95656-18 WS1 0.20 28/04/2021
Test	Method	Units						
Bromochloromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Chloroform	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1,1-Trichloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Carbon tetrachloride	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1-Dichloro-1-propene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2-Dichloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Trichloroethene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2-Dichloropropane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Dibromomethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Bromodichloromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
cis-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
trans-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1,2-Trichloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Tetrachloroethene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,3-Dichloropropane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Dibromochloromethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2-Dibromoethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Chlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1,1,2-Tetrachloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Styrene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Tribromomethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Isopropylbenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Bromobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,1,2,2-Tetrachloroethane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2,3-Trichloropropane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Propylbenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
2-Chlorotoluene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
4-Chlorotoluene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,3,5-Trimethylbenzene	CE174	mg/kg	<0.01	-	0.02	<0.01	-	<0.01
tert-Butylbenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2,4-Trimethylbenzene	CE174	mg/kg	<0.01	-	0.03	<0.01	-	<0.01
sec-Butylbenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,3-Dichlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
4-Isopropyltoluene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,4-Dichlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2-Dichlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Butylbenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2-Dibromo-3-chloropropane	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2,4-Trichlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
Hexachloro-1,3-butadiene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01
1,2,3-Trichlorobenzene	CE174	mg/kg	<0.01	-	<0.01	<0.01	-	<0.01

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Test	Method	Units						
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Phenol	CE189	mg/kg	<0.1	-	1.2	-	-	<0.1
Bis(2-chloroethyl)ether	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Chlorophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
1,3-Dichlorobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
1,4-Dichlorobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Methylphenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
1,2-Dichlorobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Bis(2-chloroisopropyl)ether	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
3&4-Methylphenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
N-Nitrosodi-n-propylamine	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Hexachloroethane	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Nitrobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Isophorone	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,4-Dimethylphenol	CE189	mg/kg	<0.1	-	2.8	-	-	<0.1
2-Nitrophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Bis(2-chloroethoxy)methane	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,4-Dichlorophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
1,2,4-Trichlorobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Chloroaniline	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Hexachlorobutadiene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Chloro-3-methylphenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Methylnaphthalene	CE189	mg/kg	<0.1	-	30.2	-	-	0.4
1-Methylnaphthalene	CE189	mg/kg	<0.1	-	30.9	-	-	<0.1
Hexachlorocyclopentadiene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,4,6-Trichlorophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,4,5-Trichlorophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Chloronaphthalene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Nitroaniline	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Dimethyl phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,6-Dinitrotoluene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
3-Nitroaniline	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2,4-Dinitrophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Nitrophenol	CE189	mg/kg	0.1	-	46.2	-	-	0.9
2,4-Dinitrotoluene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Dibenzofuran	CE189	mg/kg	<0.1	-	45.7	-	-	0.9
Diethyl phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Chlorophenylphenyl ether	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Nitroaniline	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
2-Methyl-4,6-dinitrophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1

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Lab number Sample id Depth (m) Date sampled			95656-13 TP6 0.90 29/04/2021	95656-14 TP6 1.80 29/04/2021	95656-15 TP7 0.25 29/04/2021	95656-16 TP7 1.40 29/04/2021	95656-17 TP7 1.70 29/04/2021	95656-18 WS1 0.20 28/04/2021
Test	Method	Units						
Azobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
4-Bromophenylphenyl ether	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Hexachlorobenzene	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Pentachlorophenol	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Carbazole	CE189	mg/kg	<0.1	-	41.9	-	-	1.0
Di-n-butyl phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Butylbenzyl phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Bis(2-ethylhexyl)phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
Di-n-octyl phthalate	CE189	mg/kg	<0.1	-	<0.1	-	-	<0.1
PCB								
PCB Congener 28	CE137 ^M	mg/kg	-	-	0.13	-	-	<0.004
PCB Congener 52	CE137 ^M	mg/kg	-	-	<0.004	-	-	<0.004
PCB Congener 101	CE137 ^M	mg/kg	-	-	<0.008	-	-	<0.008
PCB Congener 118	CE137 ^M	mg/kg	-	-	<0.006	-	-	<0.006
PCB Congener 138	CE137 ^M	mg/kg	-	-	<0.006	-	-	<0.006
PCB Congener 153	CE137 ^M	mg/kg	-	-	<0.009	-	-	<0.009
PCB Congener 180	CE137 ^M	mg/kg	-	-	<0.008	-	-	<0.008
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	0.13	-	-	<0.045
Subcontracted analysis								
Asbestos (qualitative)	\$	-	NAD	-	NAD	-	-	NAD

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Lab number Sample id Depth (m) Date sampled			95656-19 WS1 3.65-3.80 28/04/2021	95656-20 WS2 0.25 28/04/2021	95656-21 WS2 0.90 28/04/2021	95656-22 WS2 1.80 28/04/2021	95656-23 WS3 0.20 28/04/2021	95656-24 WS3 0.80 28/04/2021
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	-	-	-	-	-	8.4
Boron (water soluble)	CE063	mg/kg B	-	-	-	-	-	0.8
Cadmium (total)	CE127 ^M	mg/kg Cd	-	-	-	-	-	<0.2
Chromium (total)	CE127 ^M	mg/kg Cr	-	-	-	-	-	75
Chromium (VI)	CE146	mg/kg CrVI	-	-	-	-	-	<1
Copper (total)	CE127 ^M	mg/kg Cu	-	-	-	-	-	38
Lead (total)	CE127 ^M	mg/kg Pb	-	-	-	-	-	164
Mercury (total)	CE127 ^M	mg/kg Hg	-	-	-	-	-	<0.5
Nickel (total)	CE127 ^M	mg/kg Ni	-	-	-	-	-	16
Selenium (total)	CE127 ^M	mg/kg Se	-	-	-	-	-	1.0
Zinc (total)	CE127 ^M	mg/kg Zn	-	-	-	-	-	57
pH	CE004 ^M	units	-	-	-	7.6	7.8	7.8
Magnesium (2:1 water soluble)	CE061	mg/l Mg	-	-	-	-	2.7	-
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	-	-	-	-	3.8	-
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	-	-	-	-	<1	-
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	-	-	-	107	75	-
Sulphate (total)	CE062	mg/kg SO ₄	-	-	-	488	301	314
Sulphur (total)	CE119	mg/kg S	-	-	-	296	147	-
Cyanide (total)	CE077	mg/kg CN	-	-	-	-	-	<1
Phenols (total)	CE078	mg/kg PhOH	-	-	-	-	-	<0.5
Total Organic Carbon (TOC)	CE197	% w/w C	-	-	4.5	-	1.0	1.8
PAH								
Naphthalene	CE087 ^M	mg/kg	<0.02	6.39	-	<0.02	20.06	0.16
Acenaphthylene	CE087 ^M	mg/kg	<0.02	0.94	-	<0.02	1.12	<0.02
Acenaphthene	CE087 ^M	mg/kg	<0.02	6.64	-	0.03	21.28	0.05
Fluorene	CE087 ^U	mg/kg	<0.02	4.44	-	<0.02	13.90	0.03
Phenanthrene	CE087 ^M	mg/kg	<0.02	31.35	-	0.15	91.79	0.16
Anthracene	CE087 ^U	mg/kg	<0.02	7.70	-	0.03	19.03	0.04
Fluoranthene	CE087 ^M	mg/kg	<0.02	41.50	-	0.16	86.53	0.15
Pyrene	CE087 ^M	mg/kg	<0.02	38.62	-	0.15	82.63	0.14
Benzo(a)anthracene	CE087 ^U	mg/kg	<0.02	19.12	-	0.07	36.04	0.07
Chrysene	CE087 ^M	mg/kg	<0.03	16.83	-	0.07	40.76	0.06
Benzo(b)fluoranthene	CE087 ^M	mg/kg	<0.02	24.75	-	0.11	42.52	0.09
Benzo(k)fluoranthene	CE087 ^M	mg/kg	<0.03	10.18	-	0.04	18.27	0.03
Benzo(a)pyrene	CE087 ^U	mg/kg	<0.02	24.04	-	0.09	40.76	0.08
Indeno(123cd)pyrene	CE087 ^M	mg/kg	<0.02	17.84	-	0.08	29.35	0.06
Dibenz(ah)anthracene	CE087 ^M	mg/kg	<0.02	3.44	-	<0.02	6.05	<0.02
Benzo(ghi)perylene	CE087 ^M	mg/kg	<0.02	16.59	-	0.07	28.22	0.06
PAH (total of USEPA 16)	CE087	mg/kg	<0.34	270	-	1.04	578	1.19
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	-	-	<0.01	-

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Lab number Sample id Depth (m) Date sampled			95656-19 WS1 3.65-3.80 28/04/2021	95656-20 WS2 0.25 28/04/2021	95656-21 WS2 0.90 28/04/2021	95656-22 WS2 1.80 28/04/2021	95656-23 WS3 0.20 28/04/2021	95656-24 WS3 0.80 28/04/2021
Test	Method	Units						
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	-	-	<0.01	-
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	-	-	0.01	-
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	-	-	21	-
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	-	-	23	-
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	-	-	295	-
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	-	-	215	-
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	-	-	29	-
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	-	-	<0.1	-
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	-	-	15	-
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	-	-	80	-
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	-	-	1933	-
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	-	-	1494	-
VPH (>C5-C7)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH (>C7-C8)	CE067	mg/kg	-	-	-	-	<0.1	-
VPH (>C8-C10)	CE067	mg/kg	-	-	-	-	0.3	-
EPH (>C10-C40)	CE033 ^M	mg/kg	-	-	-	-	-	57
EPH (>C10-C12)	CE033 ^U	mg/kg	-	-	-	-	14	-
EPH (>C12-C16)	CE033 ^M	mg/kg	-	-	-	-	59	-
EPH (>C16-C21)	CE033 ^M	mg/kg	-	-	-	-	253	-
EPH (>C21-C35)	CE033 ^M	mg/kg	-	-	-	-	1767	-
EPH (>C35-C44)	CE033 ^M	mg/kg	-	-	-	-	1207	-
Volatiles								
MTBE	CE192 ^U	mg/kg	<0.02	<0.02	-	<0.02	-	-
Benzene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	-	-
Toluene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	-	-
Ethylbenzene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	-	-
m & p-Xylene	CE192 ^U	mg/kg	<0.02	<0.02	-	<0.02	-	-
o-Xylene	CE192 ^U	mg/kg	<0.01	<0.01	-	<0.01	-	-
Dichlorodifluoromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Chloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Vinyl chloride	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Bromomethane	CE174	mg/kg	<0.03	<0.03	-	<0.03	-	-
Chloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Trichlorofluoromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Trans-1,2-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1-Dichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
2,2-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Cis-1,2-Dichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-

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Lab number Sample id Depth (m) Date sampled			95656-19 WS1 3.65-3.80 28/04/2021	95656-20 WS2 0.25 28/04/2021	95656-21 WS2 0.90 28/04/2021	95656-22 WS2 1.80 28/04/2021	95656-23 WS3 0.20 28/04/2021	95656-24 WS3 0.80 28/04/2021
Test	Method	Units						
Bromochloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Chloroform	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1,1-Trichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Carbon tetrachloride	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2-Dichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Trichloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Dibromomethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Bromodichloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
cis-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
trans-1,3-Dichloro-1-propene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1,2-Trichloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Tetrachloroethene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,3-Dichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Dibromochloromethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2-Dibromoethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Chlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1,1,2-Tetrachloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Styrene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Tribromomethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Isopropylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Bromobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,1,2,2-Tetrachloroethane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2,3-Trichloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Propylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
2-Chlorotoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
4-Chlorotoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,3,5-Trimethylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
tert-Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2,4-Trimethylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
sec-Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,3-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
4-Isopropyltoluene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,4-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2-Dichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Butylbenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2-Dibromo-3-chloropropane	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2,4-Trichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
Hexachloro-1,3-butadiene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-
1,2,3-Trichlorobenzene	CE174	mg/kg	<0.01	<0.01	-	<0.01	-	-

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Lab number Sample id Depth (m) Date sampled			95656-19 WS1 3.65-3.80 28/04/2021	95656-20 WS2 0.25 28/04/2021	95656-21 WS2 0.90 28/04/2021	95656-22 WS2 1.80 28/04/2021	95656-23 WS3 0.20 28/04/2021	95656-24 WS3 0.80 28/04/2021
Test	Method	Units						
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	-	<0.1	-	-	-	-
Phenol	CE189	mg/kg	-	0.2	-	-	-	-
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	-	-	-	-
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	-	3.2	-	-	-	-
1-Methylnaphthalene	CE189	mg/kg	-	3.1	-	-	-	-
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	-	3.1	-	-	-	-
2,4-Dinitrotoluene	CE189	mg/kg	-	<0.1	-	-	-	-
Dibenzofuran	CE189	mg/kg	-	3.1	-	-	-	-
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	-	-	-	-

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Lab number Sample id Depth (m) Date sampled			95656-19 WS1 3.65-3.80 28/04/2021	95656-20 WS2 0.25 28/04/2021	95656-21 WS2 0.90 28/04/2021	95656-22 WS2 1.80 28/04/2021	95656-23 WS3 0.20 28/04/2021	95656-24 WS3 0.80 28/04/2021
Test	Method	Units						
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	-	2.5	-	-	-	-
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	-	-	-	-
PCB								
PCB Congener 28	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 52	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 101	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 118	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 138	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 153	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 180	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	-	-	-	-
Subcontracted analysis								
Asbestos (qualitative)	\$	-	-	NAD	-	-	-	NAD

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-25 WS3 1.50 28/04/2021	95656-26 WS3 2.50-2.90 28/04/2021	95656-27 WS4 0.50 28/04/2021	95656-28 WS4 1.10-1.20 28/04/2021	95656-29 WS4 1.80-1.90 28/04/2021	95656-30 WS5 0.30 28/04/2021
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	-	-	15	-	-	-
Boron (water soluble)	CE063	mg/kg B	-	-	1.1	-	-	-
Cadmium (total)	CE127 ^M	mg/kg Cd	-	-	0.6	-	-	-
Chromium (total)	CE127 ^M	mg/kg Cr	-	-	58	-	-	-
Chromium (VI)	CE146	mg/kg CrVI	-	-	<1	-	-	-
Copper (total)	CE127 ^M	mg/kg Cu	-	-	296	-	-	-
Lead (total)	CE127 ^M	mg/kg Pb	-	-	598	-	-	-
Mercury (total)	CE127 ^M	mg/kg Hg	-	-	0.9	-	-	-
Nickel (total)	CE127 ^M	mg/kg Ni	-	-	32	-	-	-
Selenium (total)	CE127 ^M	mg/kg Se	-	-	1.0	-	-	-
Zinc (total)	CE127 ^M	mg/kg Zn	-	-	243	-	-	-
pH	CE004 ^M	units	7.1	7.6	8.3	8.1	8.5	-
Magnesium (2:1 water soluble)	CE061	mg/l Mg	4.6	-	2.5	-	-	-
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	5.0	-	7.5	-	-	-
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	9.5	-	1.7	-	-	-
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	126	50	118	37	258	-
Sulphate (total)	CE062	mg/kg SO ₄	540	144	965	397	2281	-
Sulphur (total)	CE119	mg/kg S	359	106	791	364	1591	-
Cyanide (total)	CE077	mg/kg CN	-	-	<1	-	-	-
Phenols (total)	CE078	mg/kg PhOH	-	-	<0.5	-	-	-
Total Organic Carbon (TOC)	CE197	% w/w C	-	-	5.0	4.0	-	-
PAH								
Naphthalene	CE087 ^M	mg/kg	<0.02	-	42.54	-	<0.02	22.29
Acenaphthylene	CE087 ^M	mg/kg	<0.02	-	<0.02	-	<0.02	0.53
Acenaphthene	CE087 ^M	mg/kg	<0.02	-	50.18	-	<0.02	9.87
Fluorene	CE087 ^U	mg/kg	<0.02	-	29.19	-	<0.02	5.97
Phenanthrene	CE087 ^M	mg/kg	0.03	-	214.06	-	<0.02	39.83
Anthracene	CE087 ^U	mg/kg	<0.02	-	37.47	-	<0.02	7.30
Fluoranthene	CE087 ^M	mg/kg	<0.02	-	178.45	-	<0.02	35.66
Pyrene	CE087 ^M	mg/kg	<0.02	-	165.88	-	<0.02	34.59
Benzo(a)anthracene	CE087 ^U	mg/kg	<0.02	-	66.61	-	<0.02	16.88
Chrysene	CE087 ^M	mg/kg	<0.03	-	77.66	-	<0.03	18.70
Benzo(b)fluoranthene	CE087 ^M	mg/kg	<0.02	-	78.13	-	<0.02	18.37
Benzo(k)fluoranthene	CE087 ^M	mg/kg	<0.03	-	29.55	-	<0.03	6.83
Benzo(a)pyrene	CE087 ^U	mg/kg	<0.02	-	71.43	-	<0.02	16.46
Indeno(123cd)pyrene	CE087 ^M	mg/kg	<0.02	-	43.17	-	<0.02	10.56
Dibenz(ah)anthracene	CE087 ^M	mg/kg	<0.02	-	10.59	-	<0.02	2.50
Benzo(ghi)perylene	CE087 ^M	mg/kg	<0.02	-	49.12	-	<0.02	10.21
PAH (total of USEPA 16)	CE087	mg/kg	<0.34	-	1144	-	<0.34	257
TPH								
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	-	<0.01	-	-	<0.01

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-25 WS3 1.50 28/04/2021	95656-26 WS3 2.50-2.90 28/04/2021	95656-27 WS4 0.50 28/04/2021	95656-28 WS4 1.10-1.20 28/04/2021	95656-29 WS4 1.80-1.90 28/04/2021	95656-30 WS5 0.30 28/04/2021
Test	Method	Units						
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	-	<0.01	-	-	<0.01
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	-	0.05	-	-	0.05
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	-	44	-	-	23
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	-	51	-	-	11
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	-	626	-	-	124
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	-	378	-	-	91
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	-	50	-	-	11
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	-	<0.1	-	-	<0.1
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	-	<0.1	-	-	<0.1
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	-	<0.1	-	-	0.2
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	-	<4	-	-	36
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	-	47	-	-	95
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	-	1908	-	-	1109
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	-	1066	-	-	678
VPH (>C5-C7)	CE067	mg/kg	-	-	-	-	-	-
VPH (>C7-C8)	CE067	mg/kg	-	-	-	-	-	-
VPH (>C8-C10)	CE067	mg/kg	-	-	-	-	-	-
EPH (>C10-C40)	CE033 ^M	mg/kg	-	-	4665	-	<10	-
EPH (>C10-C12)	CE033 ^U	mg/kg	-	-	-	-	-	-
EPH (>C12-C16)	CE033 ^M	mg/kg	-	-	-	-	-	-
EPH (>C16-C21)	CE033 ^M	mg/kg	-	-	-	-	-	-
EPH (>C21-C35)	CE033 ^M	mg/kg	-	-	-	-	-	-
EPH (>C35-C44)	CE033 ^M	mg/kg	-	-	-	-	-	-
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	-	-	-	-	-	0.02
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

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Lab number Sample id Depth (m) Date sampled			95656-25 WS3 1.50 28/04/2021	95656-26 WS3 2.50-2.90 28/04/2021	95656-27 WS4 0.50 28/04/2021	95656-28 WS4 1.10-1.20 28/04/2021	95656-29 WS4 1.80-1.90 28/04/2021	95656-30 WS5 0.30 28/04/2021
Test	Method	Units						
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
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

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-25 WS3 1.50 28/04/2021	95656-26 WS3 2.50-2.90 28/04/2021	95656-27 WS4 0.50 28/04/2021	95656-28 WS4 1.10-1.20 28/04/2021	95656-29 WS4 1.80-1.90 28/04/2021	95656-30 WS5 0.30 28/04/2021
Test	Method	Units						
Semi-volatiles								
N-Nitrosodimethylamine	CE189	mg/kg	-	-	-	-	-	<0.1
Phenol	CE189	mg/kg	-	-	-	-	-	0.7
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	-	-	-	-	-	2.7
N-Nitrosodi-n-propylamine	CE189	mg/kg	-	-	-	-	-	<0.1
Hexachloroethane	CE189	mg/kg	-	-	-	-	-	<0.1
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	-	-	-	-	-	7.7
1-Methylnaphthalene	CE189	mg/kg	-	-	-	-	-	6.2
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	-	-	-	-	-	4.6
2,4-Dinitrotoluene	CE189	mg/kg	-	-	-	-	-	<0.1
Dibenzofuran	CE189	mg/kg	-	-	-	-	-	5.3
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

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-25 WS3 1.50 28/04/2021	95656-26 WS3 2.50-2.90 28/04/2021	95656-27 WS4 0.50 28/04/2021	95656-28 WS4 1.10-1.20 28/04/2021	95656-29 WS4 1.80-1.90 28/04/2021	95656-30 WS5 0.30 28/04/2021
Test	Method	Units						
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	-	-	-	-	-	2.9
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
PCB								
PCB Congener 28	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 52	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 101	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 118	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 138	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 153	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB Congener 180	CE137 ^M	mg/kg	-	-	-	-	-	-
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	-	-	-	-
Subcontracted analysis								
Asbestos (qualitative)	\$	-	-	-	NAD	-	-	-

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SOILS

Lab number			95656-31	95656-32	95656-33
Sample id			WS5	WS5	WS5
Depth (m)			0.80	1.60	3.50
Date sampled			28/04/2021	28/04/2021	28/04/2021
Test	Method	Units			
Arsenic (total)	CE127 ^M	mg/kg As	-	-	-
Boron (water soluble)	CE063	mg/kg B	-	-	-
Cadmium (total)	CE127 ^M	mg/kg Cd	-	-	-
Chromium (total)	CE127 ^M	mg/kg Cr	-	-	-
Chromium (VI)	CE146	mg/kg CrVI	-	-	-
Copper (total)	CE127 ^M	mg/kg Cu	-	-	-
Lead (total)	CE127 ^M	mg/kg Pb	-	-	-
Mercury (total)	CE127 ^M	mg/kg Hg	-	-	-
Nickel (total)	CE127 ^M	mg/kg Ni	-	-	-
Selenium (total)	CE127 ^M	mg/kg Se	-	-	-
Zinc (total)	CE127 ^M	mg/kg Zn	-	-	-
pH	CE004 ^M	units	8.2	-	8.2
Magnesium (2:1 water soluble)	CE061	mg/l Mg	2.0	-	-
Chloride (2:1 water soluble)	CE049 ^U	mg/l Cl	3.2	-	-
Nitrate (2:1 water soluble)	CE049 ^U	mg/l NO ₃	1.3	-	-
Sulphate (2:1 water soluble)	CE049 ^U	mg/l SO ₄	32	-	22
Sulphate (total)	CE062	mg/kg SO ₄	320	-	<100
Sulphur (total)	CE119	mg/kg S	198	-	<100
Cyanide (total)	CE077	mg/kg CN	-	-	-
Phenols (total)	CE078	mg/kg PhOH	-	-	-
Total Organic Carbon (TOC)	CE197	% w/w C	-	2.3	-
PAH					
Naphthalene	CE087 ^M	mg/kg	-	0.03	<0.02
Acenaphthylene	CE087 ^M	mg/kg	-	<0.02	<0.02
Acenaphthene	CE087 ^M	mg/kg	-	<0.02	<0.02
Fluorene	CE087 ^U	mg/kg	-	<0.02	<0.02
Phenanthrene	CE087 ^M	mg/kg	-	0.05	0.02
Anthracene	CE087 ^U	mg/kg	-	<0.02	<0.02
Fluoranthene	CE087 ^M	mg/kg	-	0.05	0.03
Pyrene	CE087 ^M	mg/kg	-	0.06	0.03
Benzo(a)anthracene	CE087 ^U	mg/kg	-	0.09	<0.02
Chrysene	CE087 ^M	mg/kg	-	0.12	<0.03
Benzo(b)fluoranthene	CE087 ^M	mg/kg	-	0.26	0.03
Benzo(k)fluoranthene	CE087 ^M	mg/kg	-	0.11	<0.03
Benzo(a)pyrene	CE087 ^U	mg/kg	-	0.23	0.03
Indeno(123cd)pyrene	CE087 ^M	mg/kg	-	0.20	0.03
Dibenz(ah)anthracene	CE087 ^M	mg/kg	-	0.06	<0.02
Benzo(ghi)perylene	CE087 ^M	mg/kg	-	0.19	0.03
PAH (total of USEPA 16)	CE087	mg/kg	-	1.46	<0.34
TPH					
VPH Aromatic (>EC5-EC7)	CE067	mg/kg	-	<0.01	-

Chemtech Environmental Limited

SOILS

Lab number Sample id Depth (m) Date sampled			95656-31 WS5 0.80 28/04/2021	95656-32 WS5 1.60 28/04/2021	95656-33 WS5 3.50 28/04/2021
Test	Method	Units			
VPH Aromatic (>EC7-EC8)	CE067	mg/kg	-	<0.01	-
VPH Aromatic (>EC8-EC10)	CE067	mg/kg	-	<0.01	-
EPH Aromatic (>EC10-EC12)	CE068	mg/kg	-	<1	-
EPH Aromatic (>EC12-EC16)	CE068	mg/kg	-	<1	-
EPH Aromatic (>EC16-EC21)	CE068	mg/kg	-	<1	-
EPH Aromatic (>EC21-EC35)	CE068	mg/kg	-	2	-
EPH Aromatic (>EC35-EC44)	CE068	mg/kg	-	<1	-
VPH Aliphatic (>C5-C6)	CE067	mg/kg	-	<0.1	-
VPH Aliphatic (>C6-C8)	CE067	mg/kg	-	<0.1	-
VPH Aliphatic (>C8-C10)	CE067	mg/kg	-	<0.1	-
EPH Aliphatic (>C10-C12)	CE068	mg/kg	-	<4	-
EPH Aliphatic (>C12-C16)	CE068	mg/kg	-	<4	-
EPH Aliphatic (>C16-C35)	CE068	mg/kg	-	4	-
EPH Aliphatic (>C35-C44)	CE068	mg/kg	-	<10	-
VPH (>C5-C7)	CE067	mg/kg	-	-	-
VPH (>C7-C8)	CE067	mg/kg	-	-	-
VPH (>C8-C10)	CE067	mg/kg	-	-	-
EPH (>C10-C40)	CE033 ^M	mg/kg	-	-	-
EPH (>C10-C12)	CE033 ^U	mg/kg	-	-	-
EPH (>C12-C16)	CE033 ^M	mg/kg	-	-	-
EPH (>C16-C21)	CE033 ^M	mg/kg	-	-	-
EPH (>C21-C35)	CE033 ^M	mg/kg	-	-	-
EPH (>C35-C44)	CE033 ^M	mg/kg	-	-	-
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	-	-	-

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SOILS

Lab number Sample id Depth (m) Date sampled			95656-31 WS5 0.80 28/04/2021	95656-32 WS5 1.60 28/04/2021	95656-33 WS5 3.50 28/04/2021
Test	Method	Units			
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	-	-	-
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	-	-	-

Chemtech Environmental Limited

SOILS

Lab number Sample id Depth (m) Date sampled			95656-31 WS5 0.80 28/04/2021	95656-32 WS5 1.60 28/04/2021	95656-33 WS5 3.50 28/04/2021
Test	Method	Units			
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	-	-	-
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	-	-	-

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SOILS

Lab number			95656-31	95656-32	95656-33
Sample id			WS5	WS5	WS5
Depth (m)			0.80	1.60	3.50
Date sampled			28/04/2021	28/04/2021	28/04/2021
Test	Method	Units			
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	-	-	-
PCB					
PCB Congener 28	CE137 ^M	mg/kg	-	-	-
PCB Congener 52	CE137 ^M	mg/kg	-	-	-
PCB Congener 101	CE137 ^M	mg/kg	-	-	-
PCB Congener 118	CE137 ^M	mg/kg	-	-	-
PCB Congener 138	CE137 ^M	mg/kg	-	-	-
PCB Congener 153	CE137 ^M	mg/kg	-	-	-
PCB Congener 180	CE137 ^M	mg/kg	-	-	-
PCB (total of ICES 7)	CE137 ^M	mg/kg	-	-	-
Subcontracted analysis					
Asbestos (qualitative)	\$	-	NAD	-	-

Chemtech Environmental Limited

PREPARED LEACHATES

Lab number Sample id Depth (m)			95656-6L TP3 0.30	95656-8L TP4 0.25	95656-9L TP4 0.70	95656-10L TP5 0.40	95656-15L TP7 0.25	95656-27L WS4 0.50
Test	Method	Units						
Cadmium (dissolved)	CE128 ^U	µg/l Cd	<0.07	<0.07	-	-	-	<0.07
Chromium (dissolved)	CE128 ^U	µg/l Cr	1.1	1.3	-	-	-	0.5
Copper (dissolved)	CE128 ^U	µg/l Cu	7.9	4.4	-	-	-	3.1
Lead (dissolved)	CE128 ^U	µg/l Pb	0.4	2.7	-	-	-	6.2
Mercury (dissolved)	CE128 ^U	µg/l Hg	0.036	0.022	-	-	-	0.032
Nickel (dissolved)	CE128 ^U	µg/l Ni	<0.5	<0.5	-	-	-	<0.5
Selenium (dissolved)	CE128 ^U	µg/l Se	0.62	0.63	-	-	-	0.53
Zinc (dissolved)	CE128 ^U	µg/l Zn	<1	5	-	-	-	<1
pH	CE213 ^U	units	7.8	8.2	-	-	-	8.3
Sulphate	CE049 ^U	mg/l SO ₄	51	13	-	-	-	8.6
Cyanide (total)	CE147	µg/l CN	<20	<20	-	-	-	<20
Phenols (total)	CE148	µg/l PhOH	<10	<10	-	-	-	<10
PAH								
Naphthalene	CE051	µg/l	0.2	-	-	<0.1	<0.1	<0.1
Acenaphthylene	CE051	µg/l	<0.1	-	-	<0.1	<0.1	<0.1
Acenaphthene	CE051	µg/l	<0.1	-	-	<0.1	0.4	<0.1
Fluorene	CE051	µg/l	<0.1	-	-	<0.1	0.2	<0.1
Phenanthrene	CE051	µg/l	0.3	-	-	0.2	2.0	0.1
Anthracene	CE051	µg/l	0.2	-	-	<0.1	0.4	<0.1
Fluoranthene	CE051	µg/l	0.5	-	-	<0.1	2.9	0.1
Pyrene	CE051	µg/l	0.5	-	-	<0.1	3.0	0.1
Benzo(a)anthracene	CE051	µg/l	0.5	-	-	<0.1	1.6	<0.1
Chrysene	CE051	µg/l	0.2	-	-	<0.1	1.5	<0.1
Benzo(b)fluoranthene	CE051	µg/l	0.5	-	-	<0.1	2.2	<0.1
Benzo(k)fluoranthene	CE051	µg/l	0.1	-	-	<0.1	1.0	<0.1
Benzo(a)pyrene	CE051	µg/l	0.3	-	-	<0.1	1.6	<0.1
Indeno(123cd)pyrene	CE051	µg/l	0.3	-	-	<0.1	1.4	<0.1
Dibenz(ah)anthracene	CE051	µg/l	<0.1	-	-	<0.1	0.2	<0.1
Benzo(ghi)perylene	CE051	µg/l	0.3	-	-	<0.1	1.3	<0.1
PAH (total of USEPA 16)	CE051	µg/l	3.9	-	-	<1.6	19.7	<1.6
TPH								
VPH Aromatic (>EC5-EC7)	CE175	µg/l	<1	-	-	<1	<1	<1
VPH Aromatic (>EC7-EC8)	CE175	µg/l	<1	-	-	<1	<1	<1
VPH Aromatic (>EC8-EC10)	CE175	µg/l	<1	-	-	<1	<1	<1
EPH Aromatic (>EC10-EC12)	CE161	µg/l	<1	-	-	<1	<1	<1
EPH Aromatic (>EC12-EC16)	CE161	µg/l	<1	-	-	<1	1	<1
EPH Aromatic (>EC16-EC21)	CE161	µg/l	2	-	-	<1	10	<1
EPH Aromatic (>EC21-EC35)	CE161	µg/l	4	-	-	<1	14	<1
EPH Aromatic (>EC35-EC44)	CE161	µg/l	2	-	-	<1	4	<1
VPH Aliphatic (>C5-C6)	CE175	µg/l	<1	-	-	<1	<1	<1
VPH Aliphatic (>C6-C8)	CE175	µg/l	<1	-	-	<1	<1	<1
VPH Aliphatic (>C8-C10)	CE175	µg/l	<1	-	-	<1	<1	<1

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PREPARED LEACHATES

Lab number Sample id Depth (m)			95656-6L TP3 0.30	95656-8L TP4 0.25	95656-9L TP4 0.70	95656-10L TP5 0.40	95656-15L TP7 0.25	95656-27L WS4 0.50
Test	Method	Units						
EPH Aliphatic (>C10-C12)	CE161	µg/l	<1	-	-	<1	<1	<1
EPH Aliphatic (>C12-C16)	CE161	µg/l	2	-	-	3	8	6
EPH Aliphatic (>C16-C35)	CE161	µg/l	141	-	-	128	211	234
EPH Aliphatic (>C35-C44)	CE161	µg/l	21	-	-	13	41	62
Semi-volatiles								
N-Nitrosodimethylamine	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Phenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2-Methylphenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl)ether	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
3&4-Methylphenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
N-Nitrosodi-n-propylamine	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Hexachloroethane	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Nitrobenzene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Isophorone	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2-Nitrophenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethoxy)methane	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2,4-Dichlorophenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
4-Chloroaniline	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Hexachlorobutadiene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2-Methylnaphthalene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
1-Methylnaphthalene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2,4,6-Trichlorophenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2,4,5-Trichlorophenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2-Chloronaphthalene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2-Nitroaniline	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2,6-Dinitrotoluene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
3-Nitroaniline	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrophenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
4-Nitrophenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Dibenzofuran	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1

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PREPARED LEACHATES

Lab number Sample id Depth (m)			95656-6L TP3 0.30	95656-8L TP4 0.25	95656-9L TP4 0.70	95656-10L TP5 0.40	95656-15L TP7 0.25	95656-27L WS4 0.50
Test	Method	Units						
4-Chlorophenylphenyl ether	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
4-Nitroaniline	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
2-Methyl-4,6-dinitrophenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Azobenzene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
4-Bromophenylphenyl ether	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Carbazole	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Di-n-butyl phthalate	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Butylbenzyl phthalate	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
Di-n-octyl phthalate	CE065	µg/l	<0.1	-	<0.1	<0.1	<0.1	<0.1
PCB								
PCB Congener 28	CE070	µg/l	-	-	<0.1	-	<0.1	-
PCB Congener 52	CE070	µg/l	-	-	<0.1	-	<0.1	-
PCB Congener 101	CE070	µg/l	-	-	<0.1	-	<0.1	-
PCB Congener 118	CE070	µg/l	-	-	<0.1	-	<0.1	-
PCB Congener 138	CE070	µg/l	-	-	<0.1	-	<0.1	-
PCB Congener 153	CE070	µg/l	-	-	<0.1	-	<0.1	-
PCB Congener 180	CE070	µg/l	-	-	<0.1	-	<0.1	-
PCB (total of ICES 7)	CE070	µg/l	-	-	<0.7	-	<0.7	-

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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
CE063	Boron (water soluble)	Hot water extract, ICP-OES	Dry		0.5	mg/kg B
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	Magnesium (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry		1	mg/l Mg
CE049	Chloride (2:1 water soluble)	Aqueous extraction, IC-COND	Dry	U	1	mg/l Cl
CE049	Nitrate (2:1 water soluble)	Aqueous extraction, IC-COND	Dry	U	1	mg/l NO ₃
CE061	Sulphate (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry		10	mg/l SO ₄
CE062	Sulphate (total)	Acid extraction, ICP-OES	Dry		100	mg/kg SO ₄
CE119	Sulphur (total)	Acid extraction, ICP-OES	Dry		100	mg/kg S
CE077	Cyanide (total)	Extraction, Continuous Flow Colorimetry	As received		1	mg/kg CN
CE078	Phenols (total)	Extraction, Continuous Flow Colorimetry	As received		0.5	mg/kg PhOH
CE197	Total Organic Carbon (TOC)	Carbon Analyser	Dry		0.1	% w/w C
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

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
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
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
CE067	VPH (>C5-C7)	Headspace GC-FID	As received		0.1	mg/kg
CE067	VPH (>C7-C8)	Headspace GC-FID	As received		0.1	mg/kg
CE067	VPH (>C8-C10)	Headspace GC-FID	As received		0.1	mg/kg
CE033	EPH (>C10-C40)	Solvent extraction, GC-FID	As received	M	10	mg/kg
CE033	EPH (>C10-C12)	Solvent extraction, GC-FID	As received	U	4	mg/kg
CE033	EPH (>C12-C16)	Solvent extraction, GC-FID	As received	M	4	mg/kg
CE033	EPH (>C16-C21)	Solvent extraction, GC-FID	As received	M	4	mg/kg
CE033	EPH (>C21-C35)	Solvent extraction, GC-FID	As received	M	6	mg/kg
CE033	EPH (>C35-C44)	Solvent extraction, GC-FID	As received	M	10	mg/kg
CE192	MTBE	Headspace GC-FID	As received	U	0.02	mg/kg
CE192	Benzene	Headspace GC-FID	As received	U	0.01	mg/kg
CE192	Toluene	Headspace GC-FID	As received	U	0.01	mg/kg
CE192	Ethylbenzene	Headspace GC-FID	As received	U	0.01	mg/kg
CE192	m & p-Xylene	Headspace GC-FID	As received	U	0.02	mg/kg
CE192	o-Xylene	Headspace GC-FID	As received	U	0.01	mg/kg
CE174	Dichlorodifluoromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Chloromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Vinyl chloride	Headspace GC-MS	As received		0.01	mg/kg
CE174	Bromomethane	Headspace GC-MS	As received		0.03	mg/kg
CE174	Chloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Trichlorofluoromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1-Dichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Trans-1,2-Dichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1-Dichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	2,2-Dichloropropane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Cis-1,2-Dichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Bromochloromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Chloroform	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,1-Trichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Carbon tetrachloride	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1-Dichloro-1-propene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Trichloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dichloropropane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Dibromomethane	Headspace GC-MS	As received		0.01	mg/kg

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE174	Bromodichloromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	cis-1,3-Dichloro-1-propene	Headspace GC-MS	As received		0.01	mg/kg
CE174	trans-1,3-Dichloro-1-propene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,2-Trichloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Tetrachloroethene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,3-Dichloropropane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Dibromochloromethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dibromoethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Chlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,1,2-Tetrachloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Styrene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Tribromomethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Isopropylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Bromobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,1,2,2-Tetrachloroethane	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2,3-Trichloropropane	Headspace GC-MS	As received		0.01	mg/kg
CE174	Propylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	2-Chlorotoluene	Headspace GC-MS	As received		0.01	mg/kg
CE174	4-Chlorotoluene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,3,5-Trimethylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	tert-Butylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2,4-Trimethylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	sec-Butylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,3-Dichlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	4-Isopropyltoluene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,4-Dichlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dichlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Butylbenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2-Dibromo-3-chloropropane	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2,4-Trichlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE174	Hexachloro-1,3-butadiene	Headspace GC-MS	As received		0.01	mg/kg
CE174	1,2,3-Trichlorobenzene	Headspace GC-MS	As received		0.01	mg/kg
CE189	N-Nitrosodimethylamine	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Phenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Bis(2-chloroethyl)ether	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Chlorophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	1,3-Dichlorobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	1,4-Dichlorobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Methylphenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	1,2-Dichlorobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Bis(2-chloroisopropyl)ether	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	3&4-Methylphenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	N-Nitrosodi-n-propylamine	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Hexachloroethane	Solvent extraction, GC-MS	As received		0.1	mg/kg

Chemtech Environmental Limited

METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE189	Nitrobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Isophorone	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4-Dimethylphenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Nitrophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Bis(2-chloroethoxy)methane	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4-Dichlorophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	1,2,4-Trichlorobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Chloroaniline	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Hexachlorobutadiene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Chloro-3-methylphenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Methylnaphthalene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	1-Methylnaphthalene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Hexachlorocyclopentadiene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4,6-Trichlorophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4,5-Trichlorophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Chloronaphthalene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Nitroaniline	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Dimethyl phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,6-Dinitrotoluene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	3-Nitroaniline	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4-Dinitrophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Nitrophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2,4-Dinitrotoluene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Dibenzofuran	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Diethyl phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Chlorophenylphenyl ether	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Nitroaniline	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	2-Methyl-4,6-dinitrophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Azobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	4-Bromophenylphenyl ether	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Hexachlorobenzene	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Pentachlorophenol	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Carbazole	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Di-n-butyl phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Butylbenzyl phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Bis(2-ethylhexyl)phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE189	Di-n-octyl phthalate	Solvent extraction, GC-MS	As received		0.1	mg/kg
CE137	PCB Congener 28	Solvent extraction, GC-MS	As received	M	0.004	mg/kg
CE137	PCB Congener 52	Solvent extraction, GC-MS	As received	M	0.004	mg/kg
CE137	PCB Congener 101	Solvent extraction, GC-MS	As received	M	0.008	mg/kg
CE137	PCB Congener 118	Solvent extraction, GC-MS	As received	M	0.006	mg/kg
CE137	PCB Congener 138	Solvent extraction, GC-MS	As received	M	0.006	mg/kg
CE137	PCB Congener 153	Solvent extraction, GC-MS	As received	M	0.009	mg/kg
CE137	PCB Congener 180	Solvent extraction, GC-MS	As received	M	0.008	mg/kg

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE137	PCB (total of ICES 7)	Solvent extraction, GC-MS	As received	M	0.045	mg/kg
\$	Asbestos (qualitative)	HSG 248, Microscopy	Dry	U	-	-

Chemtech Environmental Limited

METHOD DETAILS

METHOD	PREPARED LEACHATES	METHOD SUMMARY	STATUS	LOD	UNITS
CE002	Leachate preparation (EA)	L:S 10:1		-	-
CE128	Cadmium (dissolved)	ICP-MS	U	0.07	µg/l Cd
CE128	Chromium (dissolved)	ICP-MS	U	0.2	µg/l Cr
CE128	Copper (dissolved)	ICP-MS	U	0.4	µg/l Cu
CE128	Lead (dissolved)	ICP-MS	U	0.2	µg/l Pb
CE128	Mercury (dissolved)	ICP-MS	U	0.008	µg/l Hg
CE128	Nickel (dissolved)	ICP-MS	U	0.5	µg/l Ni
CE128	Selenium (dissolved)	ICP-MS	U	0.07	µg/l Se
CE128	Zinc (dissolved)	ICP-MS	U	1	µg/l Zn
CE213	pH	Based on BS 1377, pH Meter	U	-	units
CE049	Sulphate	Ion Chromatography	U	1.7	mg/l SO ₄
CE147	Cyanide (total)	Continuous Flow Colorimetry		20	µg/l CN
CE148	Phenols (total)	Continuous Flow Colorimetry		10	µg/l PhOH
CE051	Naphthalene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Acenaphthylene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Acenaphthene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Fluorene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Phenanthrene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Anthracene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Fluoranthene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Pyrene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Benzo(a)anthracene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Chrysene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Benzo(b)fluoranthene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Benzo(k)fluoranthene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Benzo(a)pyrene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Indeno(123cd)pyrene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Dibenz(ah)anthracene	Solvent extraction, GC-MS		0.1	µg/l
CE051	Benzo(ghi)perylene	Solvent extraction, GC-MS		0.1	µg/l
CE051	PAH (total of USEPA 16)	Solvent extraction, GC-MS		1.6	µg/l
CE175	VPH Aromatic (>EC5-EC7)	Headspace GC-FID		1	µg/l
CE175	VPH Aromatic (>EC7-EC8)	Headspace GC-FID		1	µg/l
CE175	VPH Aromatic (>EC8-EC10)	Headspace GC-FID		1	µg/l
CE161	EPH Aromatic (>EC10-EC12)	Solvent extraction, GC-FID		1	µg/l
CE161	EPH Aromatic (>EC12-EC16)	Solvent extraction, GC-FID		1	µg/l
CE161	EPH Aromatic (>EC16-EC21)	Solvent extraction, GC-FID		1	µg/l
CE161	EPH Aromatic (>EC21-EC35)	Solvent extraction, GC-FID		1	µg/l
CE161	EPH Aromatic (>EC35-EC44)	Solvent extraction, GC-FID		1	µg/l
CE175	VPH Aliphatic (>C5-C6)	Headspace GC-FID		1	µg/l
CE175	VPH Aliphatic (>C6-C8)	Headspace GC-FID		1	µg/l
CE175	VPH Aliphatic (>C8-C10)	Headspace GC-FID		1	µg/l
CE161	EPH Aliphatic (>C10-C12)	Solvent extraction, GC-FID		1	µg/l
CE161	EPH Aliphatic (>C12-C16)	Solvent extraction, GC-FID		1	µg/l
CE161	EPH Aliphatic (>C16-C35)	Solvent extraction, GC-FID		1	µg/l

Chemtech Environmental Limited

METHOD DETAILS

METHOD	PREPARED LEACHATES	METHOD SUMMARY	STATUS	LOD	UNITS
CE161	EPH Aliphatic (>C35-C44)	Solvent extraction, GC-FID		1	µg/l
CE057	MTBE	Headspace GC-FID	U	2	µg/l
CE057	Benzene	Headspace GC-FID	U	1	µg/l
CE057	Toluene	Headspace GC-FID	U	1	µg/l
CE057	Ethylbenzene	Headspace GC-FID	U	1	µg/l
CE057	m & p-Xylene	Headspace GC-FID	U	2	µg/l
CE057	o-Xylene	Headspace GC-FID	U	1	µg/l
CE066	Dichlorodifluoromethane	Headspace GC-MS		1	µg/l
CE066	Chloromethane	Headspace GC-MS		1	µg/l
CE066	Vinyl chloride	Headspace GC-MS		1	µg/l
CE066	Bromomethane	Headspace GC-MS		3	µg/l
CE066	Chloroethane	Headspace GC-MS		1	µg/l
CE066	Trichlorofluoromethane	Headspace GC-MS		1	µg/l
CE066	1,1-Dichloroethene	Headspace GC-MS		1	µg/l
CE066	Trans-1,2-Dichloroethene	Headspace GC-MS		1	µg/l
CE066	1,1-Dichloroethane	Headspace GC-MS		1	µg/l
CE066	2,2-Dichloropropane	Headspace GC-MS		1	µg/l
CE066	Cis-1,2-Dichloroethene	Headspace GC-MS		1	µg/l
CE066	Bromochloromethane	Headspace GC-MS		1	µg/l
CE066	Chloroform	Headspace GC-MS		1	µg/l
CE066	1,1,1-Trichloroethane	Headspace GC-MS		1	µg/l
CE066	Carbon tetrachloride	Headspace GC-MS		1	µg/l
CE066	1,1-Dichloro-1-propene	Headspace GC-MS		1	µg/l
CE066	1,2-Dichloroethane	Headspace GC-MS		1	µg/l
CE066	Trichloroethene	Headspace GC-MS		1	µg/l
CE066	1,2-Dichloropropane	Headspace GC-MS		1	µg/l
CE066	Dibromomethane	Headspace GC-MS		1	µg/l
CE066	Bromodichloromethane	Headspace GC-MS		1	µg/l
CE066	cis-1,3-Dichloro-1-propene	Headspace GC-MS		1	µg/l
CE066	trans-1,3-Dichloro-1-propene	Headspace GC-MS		1	µg/l
CE066	1,1,2-Trichloroethane	Headspace GC-MS		1	µg/l
CE066	Tetrachloroethene	Headspace GC-MS		1	µg/l
CE066	1,3-Dichloropropane	Headspace GC-MS		1	µg/l
CE066	Dibromochloromethane	Headspace GC-MS		1	µg/l
CE066	1,2-Dibromoethane	Headspace GC-MS		1	µg/l
CE066	Chlorobenzene	Headspace GC-MS		1	µg/l
CE066	1,1,1,2-Tetrachloroethane	Headspace GC-MS		1	µg/l
CE066	Styrene	Headspace GC-MS		1	µg/l
CE066	Tribromomethane	Headspace GC-MS		1	µg/l
CE066	Isopropylbenzene	Headspace GC-MS		1	µg/l
CE066	Bromobenzene	Headspace GC-MS		1	µg/l
CE066	1,1,2,2-Tetrachloroethane	Headspace GC-MS		1	µg/l
CE066	1,2,3-Trichloropropane	Headspace GC-MS		1	µg/l
CE066	Propylbenzene	Headspace GC-MS		1	µg/l

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METHOD DETAILS

METHOD	PREPARED LEACHATES	METHOD SUMMARY	STATUS	LOD	UNITS
CE066	2-Chlorotoluene	Headspace GC-MS		1	µg/l
CE066	4-Chlorotoluene	Headspace GC-MS		1	µg/l
CE066	1,3,5-Trimethylbenzene	Headspace GC-MS		1	µg/l
CE066	tert-Butylbenzene	Headspace GC-MS		1	µg/l
CE066	1,2,4-Trimethylbenzene	Headspace GC-MS		1	µg/l
CE066	sec-Butylbenzene	Headspace GC-MS		1	µg/l
CE066	1,3-Dichlorobenzene	Headspace GC-MS		1	µg/l
CE066	4-Isopropyltoluene	Headspace GC-MS		1	µg/l
CE066	1,4-Dichlorobenzene	Headspace GC-MS		1	µg/l
CE066	1,2-Dichlorobenzene	Headspace GC-MS		1	µg/l
CE066	Butylbenzene	Headspace GC-MS		1	µg/l
CE066	1,2-Dibromo-3-chloropropane	Headspace GC-MS		1	µg/l
CE066	1,2,4-Trichlorobenzene	Headspace GC-MS		1	µg/l
CE066	Hexachloro-1,3-butadiene	Headspace GC-MS		1	µg/l
CE066	1,2,3-Trichlorobenzene	Headspace GC-MS		1	µg/l
CE065	N-Nitrosodimethylamine	Solvent extraction, GC-MS		0.1	µg/l
CE065	Phenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	Bis(2-chloroethyl)ether	Solvent extraction, GC-MS		0.1	µg/l
CE065	2-Chlorophenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	1,3-Dichlorobenzene	Solvent extraction, GC-MS		0.1	µg/l
CE065	1,4-Dichlorobenzene	Solvent extraction, GC-MS		0.1	µg/l
CE065	2-Methylphenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	1,2-Dichlorobenzene	Solvent extraction, GC-MS		0.1	µg/l
CE065	Bis(2-chloroisopropyl)ether	Solvent extraction, GC-MS		0.1	µg/l
CE065	3&4-Methylphenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	N-Nitrosodi-n-propylamine	Solvent extraction, GC-MS		0.1	µg/l
CE065	Hexachloroethane	Solvent extraction, GC-MS		0.1	µg/l
CE065	Nitrobenzene	Solvent extraction, GC-MS		0.1	µg/l
CE065	Isophorone	Solvent extraction, GC-MS		0.1	µg/l
CE065	2,4-Dimethylphenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	2-Nitrophenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	Bis(2-chloroethoxy)methane	Solvent extraction, GC-MS		0.1	µg/l
CE065	2,4-Dichlorophenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	1,2,4-Trichlorobenzene	Solvent extraction, GC-MS		0.1	µg/l
CE065	4-Chloroaniline	Solvent extraction, GC-MS		0.1	µg/l
CE065	Hexachlorobutadiene	Solvent extraction, GC-MS		0.1	µg/l
CE065	4-Chloro-3-methylphenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	2-Methylnaphthalene	Solvent extraction, GC-MS		0.1	µg/l
CE065	1-Methylnaphthalene	Solvent extraction, GC-MS		0.1	µg/l
CE065	Hexachlorocyclopentadiene	Solvent extraction, GC-MS		0.1	µg/l
CE065	2,4,6-Trichlorophenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	2,4,5-Trichlorophenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	2-Chloronaphthalene	Solvent extraction, GC-MS		0.1	µg/l
CE065	2-Nitroaniline	Solvent extraction, GC-MS		0.1	µg/l
CE065	Dimethyl phthalate	Solvent extraction, GC-MS		0.1	µg/l

Chemtech Environmental Limited

METHOD DETAILS

METHOD	PREPARED LEACHATES	METHOD SUMMARY	STATUS	LOD	UNITS
CE065	2,6-Dinitrotoluene	Solvent extraction, GC-MS		0.1	µg/l
CE065	3-Nitroaniline	Solvent extraction, GC-MS		0.1	µg/l
CE065	2,4-Dinitrophenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	4-Nitrophenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	2,4-Dinitrotoluene	Solvent extraction, GC-MS		0.1	µg/l
CE065	Dibenzofuran	Solvent extraction, GC-MS		0.1	µg/l
CE065	Diethyl phthalate	Solvent extraction, GC-MS		0.1	µg/l
CE065	4-Chlorophenylphenyl ether	Solvent extraction, GC-MS		0.1	µg/l
CE065	4-Nitroaniline	Solvent extraction, GC-MS		0.1	µg/l
CE065	2-Methyl-4,6-dinitrophenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	Azobenzene	Solvent extraction, GC-MS		0.1	µg/l
CE065	4-Bromophenylphenyl ether	Solvent extraction, GC-MS		0.1	µg/l
CE065	Hexachlorobenzene	Solvent extraction, GC-MS		0.1	µg/l
CE065	Pentachlorophenol	Solvent extraction, GC-MS		0.1	µg/l
CE065	Carbazole	Solvent extraction, GC-MS		0.1	µg/l
CE065	Di-n-butyl phthalate	Solvent extraction, GC-MS		0.1	µg/l
CE065	Butylbenzyl phthalate	Solvent extraction, GC-MS		0.1	µg/l
CE065	Bis(2-ethylhexyl)phthalate	Solvent extraction, GC-MS		0.1	µg/l
CE065	Di-n-octyl phthalate	Solvent extraction, GC-MS		0.1	µg/l
CE070	PCB Congener 28	Solvent extraction, GC-MS		0.1	µg/l
CE070	PCB Congener 52	Solvent extraction, GC-MS		0.1	µg/l
CE070	PCB Congener 101	Solvent extraction, GC-MS		0.1	µg/l
CE070	PCB Congener 118	Solvent extraction, GC-MS		0.1	µg/l
CE070	PCB Congener 138	Solvent extraction, GC-MS		0.1	µg/l
CE070	PCB Congener 153	Solvent extraction, GC-MS		0.1	µg/l
CE070	PCB Congener 180	Solvent extraction, GC-MS		0.1	µg/l
CE070	PCB (total of ICES 7)	Solvent extraction, GC-MS		0.7	µg/l

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)
95656-1	TP1	0.40	N	
95656-2	TP1	1.25	N	
95656-3	TP1	1.80	N	
95656-4	TP2	0.80	N	
95656-5	TP2	1.80	N	
95656-6	TP3	0.30	N	
95656-7	TP3	0.70	N	
95656-8	TP4	0.25	N	
95656-9	TP4	0.70	N	
95656-10	TP5	0.40	N	
95656-11	TP5	0.75	N	
95656-12	TP5	1.40	N	
95656-13	TP6	0.90	N	
95656-14	TP6	1.80	N	
95656-15	TP7	0.25	N	
95656-16	TP7	1.40	N	
95656-17	TP7	1.70	N	
95656-18	WS1	0.20	N	
95656-19	WS1	3.65-3.80	N	
95656-20	WS2	0.25	N	
95656-21	WS2	0.90	N	
95656-22	WS2	1.80	N	
95656-23	WS3	0.20	N	
95656-24	WS3	0.80	N	
95656-25	WS3	1.50	N	
95656-26	WS3	2.50-2.90	N	
95656-27	WS4	0.50	N	
95656-28	WS4	1.10-1.20	N	
95656-29	WS4	1.80-1.90	N	
95656-30	WS5	0.30	N	

Chemtech Environmental Limited

DEVIATING SAMPLE INFORMATION

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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)
95656-31	WS5	0.80	N	
95656-32	WS5	1.60	N	
95656-33	WS5	3.50	N	

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TEST REPORT REVISIONS

The table below identifies amendments that have been made to this test report for each revision.

Test Report Reference	Details of amendments to test report	Issue Date
95656	Original report issued	11 May 2021
95656(1)	Additional testing added for samples 95656-6,-8,-23,-27 and -29.	19 May 2021
95656(2)	Leachate testing added for samples 65656-6,-8,-9,-10,-15 and -27.	17 June 2021

General Assessment Criteria (GAC) Screening Values for the Protection of Human Health

Screening Values shown are for a Sandy Loam soil with a pH of 7.0
With respect to elemental mercury, hydrocarbons and other organic contamination, it is assumed that free phase contamination is not present.

		All Concentrations are in mg/kg DW																		Source
		Residential with Plant Uptake			Residential without Plant Uptake			Allotments			Commercial			Public Open Space (in a Residential Area)			Public Open Space (Park)			
		SOM (%)			SOM (%)			SOM (%)			SOM (%)			SOM (%)			SOM (%)			
		1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	
METALS and SEMI-METALS																				
Arsimony	ND				550			ND			7500			ND			ND			c
Arsenic	40				40			43			640			79			170			a (SAUL)
Arsenic	37				40			49			640			79			170			b (CASL)
Barium	ND				1300			ND			22000			ND			ND			c
Beryllium	1.7				1.7			35			12			2.2			63			a (SAUL)
Boron	290				11000			45			240000			21000			46000			a (SAUL)
Cadmium	11				85			1.9			190			120			532			a (SAUL)
Cadmium	26				149			4.9			410			220			880			b (CASL)
Chromium (III)	910				1400			18000			8600			1500			33000			a (SAUL)
Chromium (VI)	6				6			33			33			7.7			220			a (SAUL)
Chromium (VI)	21				21			170			49			23			250			b (CASL)
Copper	2400				7100			520			68000			12000			44000			b (CASL)
Lead	200				310			80			2330			630			1300			b (CASL)
Mercury (elemental)	1.2				1.2			21			58 (25.8)			16			30 (25.8)			a (SAUL)
Mercury (inorganic)	40				56			19			1100			120			240			a (SAUL)
Mercury (Methyl)	11				15			6			320			ND			68			a (SAUL)
Molybdenum	ND				670			ND			17000			ND			ND			c
Nickel	130				180			53			980			230			800			a (SAUL)
Selenium	250				430			88			12000			1100			1800			a (SAUL)
Vanadium	410				1200			91			9000			2000			5000			a (SAUL)
Zinc	3700				40000			620			730000			81000			170000			a (SAUL)
PETROLEUM HYDROCARBONS																				
Aliphatic EC 5-8	42	78	160		42	78	160	730	1700	3900	3200 (304)	5900 (558)	12000 (1150)	570000 (304)	590000	600000	95000 (304)	130000 (558)	180000 (1150)	a (SAUL)
Aliphatic EC >8-10	100	230	530		100	230	530	2300	5600	13000	7800 (144)	17000 (322)	40000 (736)	600000	610000	620000	150000 (144)	220000 (322)	320000 (736)	a (SAUL)
Aliphatic EC >10-12	27	65	150		27	65	150	320	770	1700	2000 (78)	4800 (190)	11000 (451)	13000	13000	13000	14000 (78)	18000 (190)	21000 (451)	a (SAUL)
Aliphatic EC >12-16	130 (48)	330 (418)	760 (283)		130 (48)	330 (418)	760 (283)	2200	4400	7300	9700 (48)	23000 (118)	47000 (283)	13000	13000	13000	21000 (48)	23000 (118)	24000 (283)	a (SAUL)
Aliphatic EC >16-35	1100 (24)	2400 (59)	4300 (142)		1100 (24)	2400 (59)	4400 (142)	11000	13000	13000	59000 (24)	82000 (59)	90000 (142)	13000	13000	13000	23000 (24)	25000 (59)	26000 (142)	a (SAUL)
Aliphatic EC >35-44	65000 (8.48)	92000 (21)	110000		65000 (8.48)	92000 (21)	110000	260000	270000	270000	1600000	1700000	1800000	250000	250000	250000	450000	480000	490000	a (SAUL)
Aromatic EC 5-7 (benzene)	70	140	300		370	690	1400	13	27	57	26000 (1220)	46000 (2280)	86000 (4710)	56000	56000	56000	78000 (120)	84000 (2280)	92000 (4710)	a (SAUL)
Aromatic EC >7-8 (toluene)	130	220	300		860	1800	3800	22	51	120	56000 (899)	110000 (1920)	180000 (4360)	56000	56000	56000	87000 (899)	96000 (1920)	100000 (4360)	a (SAUL)
Aromatic EC >8-10	34	83	190		47	10	270	8.6	21	51	3500 (613)	8100 (1500)	17000 (3580)	5000	5000	5000	7200 (613)	8500 (1500)	9300 (3580)	a (SAUL)
Aromatic EC >10-12	74	180	380		250	590	1200	13	31	74	16000 (364)	28000 (899)	34000 (2150)	5000	5000	5000	9200 (364)	9700 (899)	10000	a (SAUL)
Aromatic EC >12-16	140	330	660		1800	2300 (419)	2500	23	57	130	36000 (169)	37000	38000	5100	5100	5000	10000	10000	10000	a (SAUL)
Aromatic EC >16-21	260	640	930		1900	1900	1900	46	110	260	28000	28000	28000	3800	3800	3800	7600	7700	7800	a (SAUL)
Aromatic EC >21-35	1100	1500	1700		1900	1900	1900	370	820	1600	28000	28000	28000	3800	3800	3800	7800	7800	7900	a (SAUL)
Aromatic EC >35-44	1100	1500	1700		1900	1900	1900	370	820	1600	28000	28000	28000	3800	3800	3800	7800	7800	7900	a (SAUL)
Aliphatic + Aromatic EC >44-70	1600	1800	1900		1900	1900	1900	1200	2100	3000	28000	28000	28000	3800	3800	3800	7800	7800	7900	a (SAUL)
POLYNUCLEAR AROMATIC HYDROCARBONS																				
Acenaphthene	210	510	1100		3000 (57.0)	4700 (141)	6000 (336)	34	85	200	84000 (57)	97000 (141)	100000	15000	15000	15000	29000	30000	30000	a (SAUL)
Acenaphthylene	170	420	920		2900 (86.1)	4600 (212)	6000 (506)	28	69	160	83000 (86.1)	97000 (212)	100000	15000	15000	15000	29000	30000	30000	a (SAUL)
Anthracene	2400	5400	11000		31000 (1.17)	35000	37000	380	950	2200	520000	540000	540000	74000	74000	74000	150000	150000	150000	a (SAUL)
Benzo(a)anthracene	7.2	11	13		14	15	15	2.9	6.5	13	170	170	180	29	29	29	49	56	62	a (SAUL)
Benzo(b)fluoranthene	2.2	3.0	3.2		3.2	3.2	3.2	0.97	2.0	3.5	35	35	36	5.7	5.7	5.7	11	12	13	a (SAUL)
Benzo(k)fluoranthene	2.6	3.3	3.7		3.9	4.0	4.0	0.99	2.1	3.8	44	44	45	7.1	7.2	7.2	13	15	16	a (SAUL)
Benzo(g,h,i)perylene	320	340	350		360	360	360	290	470	400	3900	4000	4000	640	640	640	1400	1500	1600	a (SAUL)
Benzo(k)fluoranthene	77	93	100		110	110	110	37	75	130	1200	1200	1200	190	190	190	370	410	440	a (SAUL)
Chrysene	15	22	27		31	32	32	4.1	9.4	19	350	350	350	57	57	57	93	110	120	a (SAUL)
Dibenz(a,h)anthracene	0.24	0.28	0.30		0.31	0.32	0.32	0.14	0.27	0.43	3.5	3.6	3.6	0.57	0.57	0.58	1.1	1.3	1.4	a (SAUL)
Fluoranthene	280	560	890		1500	1600	1600	52	130	290	23000	23000	23000	3100	3100	3100	6300	6300	6400	a (SAUL)
Fluorene	170	400	860		2800 (30.9)	3800 (76.5)	4500 (183)	27	67	160	68000 (30.9)	68000	71000	9900	9900	9900	20000	20000	20000	a (SAUL)
Indeno(1,2,3-cd)pyrene	27	36	41		45	46 (212)	46	9.5	21	39	500	510	510	82	82	82	150	160	180	a (SAUL)
Naphthalene	2.3	5.6	13		2.3	5.6	13	4.1	10	24	190 (76.4)	460 (183)	1100 (432)	4900	4900	4900	1200 (76.4)	1900 (183)	3000	a (SAUL)
Phenanthrene	95	220	440		1300 (36.0)	1500	1500	15	38	90	22000	22000	23000	3100	3100	3100	6200	6200	6300	a (SAUL)
Pyrene	620	1200	2000		3700	3800 (76.5)	3800	110	270	620	54000	54000	54000	7400	7400	7400	15000	15000	15000	a (SAUL)
Coal Tar (BaP used as a surrogate marker)	-	-	5.0		-	-	5.3	-	-	5.7	-	-	77	-	-	10	-	-	21	b (CASL)
Coal Tar (BaP used as a surrogate marker)	0.79	0.98	1.1		1.2	1.2	1.2	0.32	0.67	1.2	15	15	15	2.2	2.2	2.2	4.4	4.7	4.8	a (SAUL)
BTX COMPOUNDS																				
Benzene	0.087	0.17	0.37		0.38	0.7	1.4	0.017	0.034	0.075	27	47	90	72	72	73	90	100	110	a (SAUL)
Benzene	-	-	0.87		-	-	3.3	-	-	0.18	-	-	98	-	-	140	-	-	230	b (CASL)
Toluene	130	290	660		880 (869)	1900	3900	22	51	120	56000 (869)	110000 (1920)	180000 (4360)	56000	56000	56000	87000 (869)	95000 (1920)	100000 (4360)	a (SAUL)
Ethylbenzene	47	110	260		83	190	440	16	39	91	5700 (518)	13000 (1220)	27000 (2940)	24000	24000	24000	17000 (518)	22000 (1220)	27000 (2940)	a (SAUL)
Xylene, o-	60	140	330		88	210	480	28	67	160	6600 (478)	15000 (1120)	33000 (2620)	41000	41000	41000	17000 (478)	24000 (1120)	33000 (2620)	a (SAUL)
Xylene, m-	59	140	320		82	190	450	31	74	170	6200 (625)	14000 (1470)	31000 (3460)	42000	42000	42000	17000 (625)	24000 (1470)	32000 (3460)	a (SAUL)
Xylene, p-	56	140	310		79	180	430	29	69	160	5900 (576)	14000 (1350)	30000 (3170)	43000	43000	43000	17000 (576)	23000 (1350)	31000 (3170)	a (SAUL)
Xylenes (mixed isomers)	56	140	310		79	180	430	28	67	160	5900 (576)	14000 (1350)	30000 (3170)	41000	41000	41000	17000	23000 (1350)	31000 (3170)	a (SAUL)
= Based off lowest of the 3 xylene congener results returned																				
PHENOL, CHLOROPHENOLS & OTHER PHENOL COMPOUNDS																				
Phenol	120	200	380		440	690	1200	23	42	63	440	690	1300	440	690	1300	440	690	1300	a (SAUL)
Chlorophenols (except Pentachlorophenol)	0.87	2.0	210		0.87	2.0	210	0.150												

General Assessment Criteria (GAC) Screening Values for the Protection of Human Health

Screening Values shown are for a Sandy Loam soil with a pH of 7.0

With respect to elemental mercury, hydrocarbons and other organic contamination, it is assumed that free phase contamination is not present.

	All Concentrations are in mg/kg DW																		Source
	Residential with Plant Uptake			Residential without Plant Uptake			Allotments			Commercial			Public Open Space (in a Residential Area)			Public Open Space (Park)			
	SOM (%)			SOM (%)			SOM (%)			SOM (%)			SOM (%)			SOM (%)			
	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	
Tetrachloroethene (PCE)	0.18	0.39	0.90	0.18	0.40	0.92	0.65	1.5	3.6	19	42	95	1400	1400	1400	810 (424)	1100 (951)	1500	a (S4UL)
Tetrachloromethane (Carbon Tetrachloride)	0.026	0.056	0.13	0.026	0.056	0.130	0.45	1.0	2.4	2.9	6.3	14	890	920	950	190	270	400	a (S4UL)
Trans 1,2 Dichloroethene	0.19	0.34	0.70	0.19	0.35	0.71	0.93	1.9	4.0	22.0	40	81	ND	ND	ND	ND	ND	ND	c
Trichloroethene (TCE)	0.016	0.034	0.075	0.017	0.036	0.080	0.041	0.091	0.21	1.2	2.6	5.7	120	120	120	70	91	120	a (S4UL)
Trichloromethane (Chloroform)	0.91	1.7	3.4	1.2	2.1	4.2	0.42	0.83	1.7	99	170	350	2500	2500	2500	2600	2800	3100	a (S4UL)
Tribromomethane (Bromoform)	2.8	5.9	13	5.2	11	23	0.95	2.1	4.6	760	1500	3100	ND	ND	ND	ND	ND	ND	c
Vinyl Chloride (Chloroethene)	0.00064	0.00087	0.0014	0.00077	0.0010	0.0015	0.00055	0.0010	0.0018	0.059	0.077	0.12	3.5	3.5	3.5	4.8	5.0	5.4	a (S4UL)
CHLOROBENZENES (+ other BENZENE RELATED COMPOUNDS)																			
Bromobenzene	0.87	2.0	4.7	0.91	2.1	4.9	3.2	7.6	18	97	220	520	ND	ND	ND	ND	ND	ND	c
Chlorobenzene	0.46	1.0	2.4	0.46	1.0	2.4	5.9	14	32	56	30	290	11000	13000	14000	1300 (675)	2000 (1520)	2900	a (S4UL)
1,2-Dichlorobenzene	23	55	130	24	57	130	94	230	540	2000 (571)	4800 (1370)	11000 (3240)	90000	95000	98000	24000 (571)	36000 (1370)	51000 (3240)	a (S4UL)
1,3-Dichlorobenzene	0.40	1.0	2.3	0.44	1.1	2.5	0.25	0.6	1.5	30	73	170	300	300	300	390	440	470	a (S4UL)
1,4-Dichlorobenzene	61	150	350	61	150	350	15	37	88	4400 (224)	10000 (540)	25000 (1280)	17000	17000	17000	36000 (224)	36000 (540)	36000 (1280)	a (S4UL)
Hexachlorobenzene	1.8 (0.20)	3.3 (0.50)	4.9	4.1 (0.20)	5.7 (0.50)	6.7 (1.2)	0.47	1.1	2.5	110 (0.20)	120	120	16	16	16	30	30	30	a (S4UL)
Isopropylbenzene	11	27	64	12	28	67	32	79	190	1400 (390)	3300 (950)	7700 (2250)	ND	ND	ND	ND	ND	ND	c
Pentachlorobenzene	5.8	12	22	19	30	38	1.2	3.1	7.0	640 (43.0)	770 (107)	830	100	100	100	190	190	190	a (S4UL)
Propylbenzene	34	82	190	40	97	230	34	83	200.0	4100 (402)	9700 (981)	21000 (2330)	ND	ND	ND	ND	ND	ND	c
1,2,3-Trichlorobenzene	1.5	3.6	8.6	1.5	3.7	8.8	4.7	12	26	102	250	590	1800	1800	1800	770 (134)	1100 (330)	1600 (789)	a (S4UL)
1,2,4-Trichlorobenzene	2.6	6.4	15	2.6	6.4	15	55	140	320	220	530	1300	15000	17000	19000	1700 (318)	2600 (786)	4000 (1880)	a (S4UL)
1,3,5-Trichlorobenzene	0.33	0.81	1.9	0.33	0.81	1.9	4.7	12	28	23	55	130	1700	1700	1800	380 (36.7)	580 (90.8)	860 (217)	a (S4UL)
1,2,3,4-Tetrachlorobenzene	15	36	78	24	56	120	4.4	11	26	1700 (122)	3080 (304)	4400 (728)	830	830	830	1500 (122)	1600	1600	a (S4UL)
1,2,3,5-Tetrachlorobenzene	0.66	1.6	3.7	0.75	1.9	4.3	0.38	0.90	2.2	49 (39.4)	120 (98.1)	240 (235)	78	78	79	110 (39)	120	130	a (S4UL)
1,2,4,5-Tetrachlorobenzene	0.33	0.77	1.6	0.73	1.7	3.5	0.06	0.16	0.37	42 (19.7)	72 (49.1)	96	13	13	13	25	26	26	a (S4UL)
1,2,4-Trimethylbenzene	0.35	0.85	2.0	0.41	0.99	2.3	0.38	0.93	2.2	42	99	220	ND	ND	ND	ND	ND	ND	c
PESTICIDES																			
Aldrin	5.7	6.6	7.1	7.3	7.4	7.5	3.2	6.1	9.6	170	170	170	18	18	18	30	31	31	a (S4UL)
Dieldrin	0.97	2.0	3.5	7.0	7.3	7.4	0.17	0.41	0.96	170	170	170	18	18	18	30	31	31	a (S4UL)
Atrazine	3.3	7.60	17.4	610	620	620	0.50	1.2	2.7	9300	9400	9400	1200	1200	1200	2300	2400	2400	a (S4UL)
Dichlorvos	0.032	0.066	0.14	6.4	6.5	6.5	0.0049	0.010	0.022	140	140	140	16	16	16	26	26	27	a (S4UL)
Alpha-Endosulfan	7.4	18	41	160 (0.003)	280 (0.007)	410 (0.016)	1.2	2.9	6.9	5600 (0.003)	7400 (0.007)	8400 (0.016)	1200	1200	1200	2400	2400	2500	a (S4UL)
Beta-Endosulfan	7.0	17	39	190 (0.00007)	320 (0.0002)	440 (0.0004)	1.1	2.7	6.4	6300 (0.00007)	7800 (0.0002)	8700	1200	1200	1200	2400	2400	2500	a (S4UL)
Alpha-Hexachlorocyclohexane (inc. Lindane)	0.23	0.55	1.2	6.9	9.2	11	0.035	0.087	0.21	170	180	180	24	24	24	47	48	48	a (S4UL)
Beta-Hexachlorocyclohexane (inc. Lindane)	0.085	0.2	0.46	3.7	3.8	3.8	0.013	0.032	0.077	65	65	65	8.1	8.1	8.1	15	15	16	a (S4UL)
Gamma-Hexachlorocyclohexane (inc. Lindane)	0.06	0.14	0.33	2.9	3.3	3.5	0.0092	0.023	0.054	67	69	70	8.2	8.2	8.2	14	15	15	a (S4UL)
PHTHALATES																			
Bis (2-Ethylhexyl) Phthalate	280 (6.68)	610 (21.6)	1100 (51.7)	2700 (6.68)	2800 (21.6)	2800 (51.7)	47 (6.68)	120 (21.6)	280 (51.7)	85000 (6.68)	86000 (21.6)	86000 (51.7)	ND	ND	ND	ND	ND	ND	c
Butyl Benzy Phthalate	1400 (26.3)	3300 (64.7)	7200 (154)	42000 (26.3)	44000 (64.7)	7200 (154)	220 (26.3)	550 (64.7)	1300 (154)	940000 (26.3)	940000 (64.7)	950000 (154)	ND	ND	ND	ND	ND	ND	c
Diethyl Phthalate	120 (13.7)	260 (29.1)	570 (65)	1900 (13.7)	3500 (29.1)	6300 (65)	19 (13.7)	41 (29.1)	94 (65)	150000 (13.7)	220000 (29.1)	290000 (65)	ND	ND	ND	ND	ND	ND	c
Di-n-Butyl Phthalate	13 (4.65)	31 (11.4)	67 (27.3)	450 (4.65)	450 (11.4)	450 (27.3)	2.0	5.0	12	15000 (4.65)	15000 (11.4)	15000 (27.3)	ND	ND	ND	ND	ND	ND	c
Di-n-Octyl Phthalate	2300 (32.6)	2800 (81.5)	3100 (196)	3400 (32.6)	3400 (81.5)	3400 (196)	940 (32.6)	2100 (81.5)	3900 (196)	89000 (32.6)	89000 (81.5)	89000 (196)	ND	ND	ND	ND	ND	ND	c
TOLUENE COMPOUNDS & EXPLOSIVES																			
2,4,6-Trinitrotoluene (TNT)	1.6	3.7	8.1	65	66	66	0.24	0.58	1.40	1000	1000	1000	130	130	130	260	270	270	a (S4UL)
2,4-Dinitrotoluene	1.5	3.2	7.2	170 (141)	170	170	0.22	0.49	1.10	3700 (141)	3700 (299)	3800 (669)	ND	ND	ND	ND	ND	ND	c
2,6-Dinitrotoluene	0.78	1.7	3.9	78	84	87	0.12	0.27	0.61	1900 (287)	1900 (622)	1900 (1400)	ND	ND	ND	ND	ND	ND	c
RDX	120	250	540	13000	13000	13000	17	38	85	210000	210000	210000	26000	26000	27000	49000 (18.7)	51000	53000	a (S4UL)
HMX	5.7	13	28	6700	6700	6700	0.86	1.9	3.9	110000	110000	110000	13000	13000	13000	23000 (0.35)	23000 (0.39)	24000 (0.48)	a (S4UL)
OTHER COMPOUNDS																			
Carbon Disulphide	0.14	0.29	0.62	0.14	0.29	0.62	4.8	10	23	11	22	47	11000	11000	12000	1300	1900	2700	a (S4UL)
2-Chloronaphthalene	3.7	9.2	22	3.80	9.3	22	40	98	230	390	960	2200 (669)	ND	ND	ND	ND	ND	ND	c
Bisphenyl	66 (34.4)	160	360	220 (34.4)	500 (84.3)	980 (201)	14	35	83	33000 (84.3)	83	48000 (201)	ND	ND	ND	ND	ND	ND	c
Styrene	8.1	19	43	35	78	170	1.6	3.7	8.7	3300 (626)	6500 (1440)	11000 (3350)	ND	ND	ND	ND	ND	ND	c
Methyl Tert-Butyl Ether (MTBE)	49	84	160	73	120	220	23	44	90	7900	13000	24000	ND	ND	ND	ND	ND	ND	c
Tributyl Tin Oxide	0.25	0.59	1.3	1.4	3.1	5.7	0.042	0.10	4.0	130 (41.3)	180 (101)	200 (241)	ND	ND	ND	ND	ND	ND	c
Hexachloro-1,3-Butadiene	0.29	0.70	1.6	0.32	0.78	1.8	0.25	0.61	1.4	31	66	120	25	25	25	48	50	51	a (S4UL)

The GAC presented exceeds the solubility saturation limit, which is presented in brackets. Soil concentrations above soil saturation may indicate that NAPL is present. Risks from NAPL need to be considered separately.

The GAC presented exceeds the vapour saturation limit, which is presented in brackets.

Source References

Nathanail, C.P., McCaffrey, C., Gillett, A.G., Ogden, R.C. and Nathanail, J.F., 'The LQM/CI/EH S4ULs for Human Health Risk Assessment', Dated 2015 and published by Land Quality Press, Nottingham.

Defra, 'Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination (SP1010): Final Project Report', March 2014; & Defra, 'Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination (SP1010): Policy Companion Document', March 2014. Values are advised to be used by the NHBC - see Issue 15 of their 'Technical Extra' document dated October 2014.

CLAIRE / AGS / EIC (December 2009), 'The Soil Generic Assessment Criteria for Human Health Risk Assessment'.

ICRCL 59/83 Guideline Levels for Assessing Phytotoxicity

	Trigger Value (mg/kg)
Boron	3
Copper	130
Nickel	70
Zinc	300

Note: The phytotoxic effects of copper, nickel and zinc may be additive. The trigger values given here are for pH=6.5 (which is the approximate acidity of pure rainwater). In neutral or alkaline soils, phytotoxic effects are unlikely at the above concentrations.

Note: Grass is more resistant to phytotoxic effects than are most other plants and its growth may not be adversely affected at these concentrations.

ICRCL 59/83 'The Assessment and Redevelopment of Contaminated Land', published by DEFRA, 1987

Surface Water and Groundwater Quality Standards

Determinand	Units	Freshwater Annual Average Concentration	Freshwater Maximum Admissible Concentration	Protection of Surface Water Quality Annual Average Concentration	UK EQS Protection of Surface Water Quality Maximum Admissible Concentration	Saltwater Annual Average Concentration	Saltwater Maximum Admissible Concentration	Protection of Surface Water Quality Transitional & Coastal Waters Annual Average Concentration (unless indicated)	WHO Health	EU DWS	UK DWS	Notes
Acrylamide	µg/l	-	-	-	-	-	-	-	0.5	0.1	0.1	
Alachlor	µg/l	-	-	0.3	0.7	-	-	-	20	-	-	
Aldicarb	µg/l	-	-	-	-	-	-	-	10	-	-	Applies to Aldicarb Sulphoxide & Aldicarb Sulfone.
Aldrin	µg/l	0.03	-	0.01 (inland) 0.005 (other)	-	0.03	-	-	0.03	0.03	0.03	EQS values refer to sum of aldrin, dieldrin, endrin & isodrin combined.
Aluminium	µg/l	-	-	-	-	-	-	-	-	200	200	
Ammonia (NH3 as N)	mg/l	0.015	-	-	-	0.021	-	-	-	-	-	
Ammonical N (as NH4 ⁺)	mg/l	-	-	-	-	-	-	-	-	0.05, 1.0, 2.0	-	EU DWS values depend on whether classed as A1, A2 or A3 waters.
Antimony	µg/l	-	-	-	-	-	-	-	20	5	5	
Arsenic	µg/l	50	-	50	-	25	-	25	10	10 to 50	10	EU DWS values depend on whether classed as A1, A2 or A3 waters.
Atrazine	µg/l	2	-	0.6	2	-	-	-	-	-	-	EQS values apply to Simizine and Altrazine combined.
Azinphos-methyl	µg/l	0.01	-	-	-	0.01	-	-	-	-	-	
Barium	mg/l	-	-	-	-	-	-	-	0.7	0.1 to 1.0	0.1 to 1.0	DWS values depend on whether classed as A1, A2 or A3 waters.
Bentazone	µg/l	0.5	-	0.5	-	0.5	-	0.5	-	-	-	
Benzene	µg/l	30	-	10	50	30	-	-	10	1	1	
Biphenyl	µg/l	25	-	25	-	25	-	25	-	-	-	
Boron	mg/l	2	-	-	-	7	-	-	0.5	1	1	
Bromate	µg/l	-	-	-	-	-	-	-	10	10	10	
Bromoxynil	µg/l	100	1000	-	-	100	1000	-	-	-	-	Values are for total bromoxynil
Cadmium	µg/l	5	-	0.08 to 0.25 (inland) 0.2 (other)	0.45 to 1.5	2.5	-	-	3	5	5	For Protection of Surface Water Quality values see CaCO3 tables.
Calcium	-	-	-	-	-	-	-	-	-	-	-	No values given
Carbon Tetrachloride (= Carbon Tetrachloromethane)	µg/l	12	-	12	-	12	-	-	4	-	3	
Carbofuran	mg/l	-	-	-	-	-	-	-	7	-	-	
Chlorodene (all isomers)	µg/l	-	-	-	-	-	-	-	0.2	-	-	
Chlorofenviphos	µg/l	0.03	0.1	0.1	0.3	0.03	0.1	-	-	-	-	The total concentration of diazinon, chloroenviphos, propetamphos, coumaphos & fenchchlorphos should not exceed AA = 0.03µg/l or a MAC = 0.1µg/l
Chloride	mg/l	250	-	-	-	-	-	-	-	250	250	
Chlorine	µg/l	2 (total available Cl)	5 (total available Cl)	2 (total residual oxidant)	5 (total residual oxidant)	10	-	10	5000	-	-	
Chloroform (=trichloromethane)	µg/l	12	-	2.5	-	12	-	-	300	-	-	
Chloroform (=trichloromethane) Extractable Substances	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Chlorophenylid	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Chloronitrotoluenes	µg/l	10	-	10	-	10	-	10	-	-	-	
Chloropropham	µg/l	10	40	-	-	10	40	-	-	-	-	
Chlorothalonil	µg/l	0.1	1.0	-	-	0.1	1.0	-	-	-	-	
Chlorotoluron	µg/l	2	20	-	-	2	-	-	30	-	-	
Chromium (total)	µg/l	Carbonate Dependent - See CaCO ₃ table		-	-	15	-	-	50	50	50	
Chromium (iii)	µg/l	-	-	4.7	32 (95th percentile)	-	-	-	-	-	-	
Chromium (vi)	µg/l	-	-	3.4	-	-	-	0.6; 95th percentile = 32	-	-	-	
COD	mg/l	-	-	-	-	-	-	-	-	30mg O ₂ /l	-	Limit is set for A3 waters only
Copper	µg/l	Carbonate Dependent - See CaCO ₃ table		-	-	5	-	-	2000	2000	2000	
Coumaphos	µg/l	0.03	0.1	0.1	0.3	0.03	0.1	-	-	-	-	The total concentration of diazinon, chloroenviphos, propetamphos, coumaphos & fenchchlorphos should not exceed AA = 0.03µg/l or a MAC = 0.1µg/l
Cyanide (total)	µg/l	1	5	1	5	1	5	1.0; MAC = 5	70	50	50	
Cyanide (free)	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Cyfluthrin (total)	µg/l	0.001 (value is for 95% of samples)	-	-	-	0.001 (value is for 95% of samples)	-	-	-	-	0.001	
2,4-D (ester form)	µg/l	1	-	0.3	1.3 (95th percentile)	1	-	0.3; 95th percentile = 1.3	30	-	-	
2,4-D (non ester form)	µg/l	40	-	1.3	1.3 (95th percentile)	40	-	0.3; 95th percentile = 1.4	30	-	-	
Dementons	µg/l	0.5	-	-	-	0.5	-	-	-	-	-	
Diazinon	µg/l	0.03	0.1	0.01	0.02 (95th percentile)	0.03	0.1	0.01; 95th percentile = 0.02	-	-	-	
Dichlorodiphenyltrichloroethane (all isomers) (=DDT)	µg/l	0.025	-	0.025	-	0.025	-	-	1	-	-	See EA's website for all of the isomers
para, para - DDT	µg/l	0.01	-	0.01	-	-	-	-	-	-	-	
1,2-Dichloroethane (1,2-DCA)	µg/l	10	-	10	-	10	-	-	30	3	3	
1,1-Dichloroethene (1,1-DCE)	µg/l	-	-	-	-	-	-	-	30	-	-	
1,2-Dichloroethene	µg/l	-	-	-	-	-	-	-	50	-	-	
1,2-dibromo-3-chloropropane	µg/l	-	-	-	-	-	-	-	1	-	-	
1,2-Dichlorobenzene	µg/l	-	-	-	-	-	-	-	1000	-	-	
1,2-Dichloropropane	µg/l	-	-	-	-	-	-	-	40	-	-	
1,3-Dichloropropene	µg/l	-	-	-	-	-	-	-	20	-	-	
1,4-Dichlorobenzene	µg/l	-	-	-	-	-	-	-	300	-	-	
Di (2-ethylhexyl) adipate	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Di (2-ethylhexyl) pthalate	µg/l	-	-	1.3 (EU EQS)	-	-	-	-	-	-	-	
Dichloromethane	µg/l	2000	20000	20	-	2000	20000	-	-	-	-	
Dichloroprop	µg/l	-	-	-	-	-	-	100	-	-	-	
Dichlorovos	µg/l	0.001	-	0.001	-	0.04	0.6	0.04; MAC = 0.6	-	-	-	
Dieldrin	µg/l	0.03	-	0.01 (inland) 0.005 (other)	-	0.03	-	-	0.03	0.03	0.03	EQS values refer to sum of aldrin, dieldrin, endrin & isodrin combined.

Surface Water and Groundwater Quality Standards

					UK EQS							
		Freshwater	Freshwater	Protection of	Protection of	Saltwater	Saltwater	Protection of				
Determinand	Units	Annual Average Concentration	Maximum Admissible Concentration	Surface Water Quality Annual Average Concentration	Surface Water Quality Maximum Admissible Concentration	Annual Average Concentration	Maximum Admissible Concentration	Surface Water Quality Transitional & Coastal Waters Annual Average Concentration (unless indicated)	WHO Health	EU DWS	UK DWS	Notes
Dimethoate	µg/l	1	-	0.48	4.0 (95th percentile)	1	-	0.48; 95th percentile = 4.0	6	-	-	
Edetic Acid (EDTA)	µg/l	400	4000	-	-	400	4000	-	600	-	-	
Endosulfan	µg/l	0.003	-	0.0005 to 0.005	0.004 to 0.01	0.003	-	-	-	-	-	
Endrin	µg/l	0.005	-	-	-	0.005	-	-	6	-	-	
Epichlorohydrin	µg/l	-	-	-	-	-	-	-	0.4	0.1	0.1	
Ethylbenzene	µg/l	20	200	-	-	20	200	-	300	-	-	
Fenchlorphos	µg/l	0.03	0.1	0.1	0.3	0.03	0.1	-	-	-	-	The total concentration of diazinon, chloroenviphos, propetamphos, coumaphos & fenchchlorphos should not exceed AA = 0.03µg/l or a MAC = 0.1µg/l
Fenoprop	µg/l	-	-	-	-	-	-	-	9	-	-	
Fenitrothion	µg/l	0.01	-	0.01	-	0.01	-	-	-	-	-	
Flucofuron	µg/l	-	1.0 (95th percentile)	-	-	-	1.0 (95th percentile)	-	-	-	-	
Fluoride	µg/l	Carbonate Dependent - See CaCO3 table	3000 to 15000	-	-	5000	15000	-	1500	1500	1500	
Formaldehyde	µg/l	5	50	-	-	-	-	-	900	-	-	
Heptachlor	µg/l	-	-	-	-	-	-	-	-	0.03	0.03	
Hexachlorobenzene	µg/l	0.03	-	0.01	0.05	0.03	-	-	-	-	-	
Hexachlorobutadiene	µg/l	0.1	-	0.1	0.6	0.1	-	-	0.6	-	-	
Hexachlorocyclohexane (=lindane)	µg/l	0.1	-	0.02 (inland) 0.002 (other)	0.04 (inland) 0.02 (other)	0.02	-	-	-	-	1.0, 2.5, 5.0 (95th percentiles)	The classifications DW1, DW2 and DW3 reflect the mandatory values assigned by Directive 75/440/EEC (quality required of surface waters intended for abstraction of drinking water) regarding the suitability for abstraction for supply as drinking water.
Hydrocarbons (Dissolved/Emulsified)	µg/l	Petroleum products must not be present in the water in such quantities that they: a) form a visible film on the surface of the water or form coatings on the beds of watercourses or lakes; b) impart a detectable hydrocarbon taste to fish; c) produce harmful effects in fish.						-	-	-	50, 200, 1000 (95th percentiles)	The classifications DW1, DW2 and DW3 reflect the mandatory values assigned by Directive 75/440/EEC (quality required of surface waters intended for abstraction of drinking water) regarding the suitability for abstraction for supply as drinking water.
Hydrogen Ion (pH value)	pH units	6 to 9		-	-	7 ≤ pH ≤ 9	-	-	-	-	6.5 ≤ pH ≤ 9.5	
Hydrogen Sulphide	µg/l	0.25	1.0	-	-	10	-	-	-	-	-	Values are for undissociated H2S.
Ioxynil	µg/l	10	100	-	-	10	100	-	-	-	-	
Isodrin	µg/l	0.03	-	0.01 (inland) 0.005 (other)	-	0.03	-	-	0.03	0.03	0.03	EQS values refer to sum of aldrin, dieldrin, endrin & isodrin combined.
Isoproturon	µg/l	2	20	0.3	1	2	-	-	9	-	-	
Lead (inorganic dissolved)	µg/l	Carbonate Dependent - See CaCO3 table		7.2	-	25	-	-	10	50	25 (but reducing to 10 on 25/12/2013)	
Linuron	µg/l	2	-	0.5	0.9 (95th percentile)	2	-	0.5; 95th percentile = 0.9	-	-	-	
Magnesium		-	-	-	-	-	-	-	-	-	-	No values given
Malachite Green	µg/l	0.5	100	-	-	0.5	100	-	-	-	-	
Malathion	µg/l	0.01	-	0.01	-	0.02	-	0.02	-	-	-	
Manganese	µg/l	30	300	-	-	-	-	-	400	50	50	
MCPA (pH<7)	µg/l	12	120	-	-	-	-	-	-	-	-	
MCPA (ph>7)	µg/l	80	800	-	-	80	800	-	-	-	-	
Mecoprop	µg/l	20	-	18	187 (95th percentile)	20	-	18; 95th percentile = 187	-	-	-	
Methylbenzene	µg/l	50	-	50	380 (95th percentile)	40	-	40; 95th percentile = 370	-	-	-	
Methoxychlor	µg/l	-	-	-	-	-	-	-	20	-	-	
Metolachlor	µg/l	-	-	-	-	-	-	-	10	-	-	
Mercury	µg/l	1 (total Hg both soluble & insoluble)	-	0.05 (for dissolved Hg & its compounds)	0.07 (for dissolved Hg & its compounds)	0.3 (dissolved Hg)	-	-	6 (inorganic mercury)	1	1	
Molinate	µg/l	-	-	-	-	-	-	-	6	-	-	
Molybdenum	µg/l	-	-	-	-	-	-	-	70	-	-	
Monochlorobenzene	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Nickel	µg/l	Carbonate Dependent - See CaCO3 table		-	-	30	-	-	70	20	20	
Nitrate (as NO3)	mg/l	-	-	-	-	-	-	-	50	50	50	
Nitritotracetic Acid	µg/l	1000	10000	-	-	3000	30000	-	2000	-	-	
Nitrite (as NO2)	µg/l	-	-	-	-	-	-	-	3000 (short term exposure) 200 (long term exposure)	500	100	
Omethoate	µg/l	0.01	-	-	-	-	-	-	-	-	-	
Pentimethalin	µg/l	1.5	6	-	-	1.5	6	-	20	-	-	
Pentachlorophenol	µg/l	2	-	0.4	1	2	-	-	9	-	-	
Perchloroethylene (= Tetrachloroethene = PCE = Perchloroethene = Tertrachloroethylene)	µg/l	10	-	10	-	10	-	-	40	10 (value applies to PCE & TCE combined)	10 (value applies to PCE & TCE combined)	
Permethrin	µg/l	-	0.01 (95th percentile)	-	0.01 (95th percentile)	-	0.01 (95th percentile)	-	300	-	-	
Pesticides (individual pesticides other than those stated)	µg/l	-	-	-	-	-	-	-	-	0.1	0.1	Applies to individual pesticides other than aaldrin, dieldrin, heptachlor & heptachlor epoxide)
Pesticides (total)	µg/l	-	-	-	-	-	-	-	-	0.5	0.5	Total applies to the sum of all individual pesticides detected
Phenol	µg/l	30	300	7.7	46 (95th percentile)	30	300	7.7; 95th percentile = 46	-	-	-	
Pirimcarb	µg/l	1	5	-	-	1	5	-	-	-	-	
Phosphate	mg/l	-	-	-	-	-	-	-	-	0.40, 0.40 & 0.7 (90th percentile)	-	EU DWS values depend on whether classed as A1, A2 or A3 waters.
Phosphorous	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Potassium	mg/l	-	-	-	-	-	-	-	-	-	-	No values given

Surface Water and Groundwater Quality Standards

Determinand	Units	Freshwater Annual Average Concentration	Freshwater Maximum Admissible Concentration	Protection of Surface Water Quality Annual Average Concentration	UK EQS Protection of Surface Water Quality Maximum Admissible Concentration	Saltwater Annual Average Concentration	Saltwater Maximum Admissible Concentration	Protection of Surface Water Quality Transitional & Coastal Waters Annual Average Concentration (unless indicated)	WHO Health	EU DWS	UK DWS	Notes
Propanil	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Propetamphos	µg/l	0.03	0.1	-	-	0.03	0.1	-	-	-	-	The total concentration of diazinon, chloroenviphos, propetamphos, coumaphos & fenchchlorphos should not exceed AA = 0.03µg/l or a MAC = 0.1µg/l
Pryridate	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Selenium	µg/l	-	-	-	-	-	-	-	10	10 (95th percentile)	10 (95th percentile)	
Silver	µg/l	0.05	0.1	-	-	0.5	1	-	-	-	-	
Simazine	µg/l	2	-	1	4	2	-	-	2	-	-	EQS values apply to Simazine and Altrazine combined.
Sodium	mg/l	-	-	-	-	-	-	-	-	200	200	
Styrene	µg/l	50	500	-	-	50	500	-	20	-	-	
Sulcofuron	µg/l	-	25 (95th percentile)	-	-	-	25 (95th percentile)	-	-	-	-	
Sulphate	mg/l	400	-	-	-	-	-	-	-	250	250 (95th percentile)	
Sulphide	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Surfactants	µg/l	-	-	-	-	-	-	-	-	-	200	DWS is an old value
2,4,5-T	µg/l	-	-	-	-	-	-	-	9	-	-	
Tecnazene	µg/l	1	10	-	-	1	10	-	-	-	-	Values are for total tecnazene (which equals the sum of tecnazene, 2,3,5,6-tetrachloroanilene (TCA) & 2,3,5,6-tetrachlorothioanisole (TCTA)
Tetrachloromethane (= PCM = Carbon Tetrachloride)	µg/l	12	-	12	-	12	-	-	4	-	-	
Tetrachloroethene (=PCE)	µg/l	10	-	10	-	10	-	-	40	10 (value applies to PCE & TCE combined)	10 (value applies to PCE & TCE combined)	
Thiabendazole	µg/l	5	50	-	-	5	50	-	-	-	-	
Tin (inorganic)	µg/l	25 (total tin)	-	-	-	10 (dissolved tin)	-	-	-	-	-	
1,1,1-Trichloroethane (= 1,1,1-TCA & 1,1,1-TCE)	µg/l	100	-	100	-	100	-	-	-	-	-	
1,1,2-Trichloroethane (= 1,1,2 -TCA	µg/l	400	-	400	-	300	-	-	-	-	-	
Trichloroethene (=Trichloroethylene, TCE & Trike)	µg/l	10	-	10	-	10	-	-	-	10 (value applies to PCE & TCE combined)	10 (value applies to PCE & TCE combined)	
Trichlorobenzene	µg/l	0.4	-	0.4	-	0.4	-	-	-	-	-	
2,4,6-Trichlorophenol	µg/l	-	-	-	-	-	-	-	200	-	-	
Trihalomethanes	µg/l	-	-	-	-	-	-	-	-	100	100	The specified compounds are chloroform, bromoform, chloromethane & bromodichloromethane.
Toluene	µg/l	40	-	-	380 (95th percentile)	40	-	40; 95th percentile = 370	700	-	-	
Triazophos	µg/l	0.005	-	-	-	0.005	-	-	-	-	-	
Tributyltin (oxide)	µg/l	0.02	-	-	-	0.002	-	-	-	-	-	
Trifluralin	µg/l	0.1	-	0.03	-	0.1	-	-	20	-	-	
Triphenyltin	µg/l	0.02	-	-	0.02	0.008	-	Not given; MAC = 0.008	-	-	-	
Vandium	µg/l	Carbonate Dependent - See CaCO ₃ table		-	-	100	-	-	-	-	-	
Vinyl Chloride	µg/l	-	-	-	-	-	-	-	0.3	0.5	0.5	
Xylenes	µg/l	30	-	-	-	30	-	-	-	-	-	These values refer to xylenes as a group: 1,2 dimethylbenzene (the o isomer); 1,3 dimethylbenzene (the m isomer); and, 1,4 dimethylbenzene (the p isomer)
Zinc	µg/l	Carbonate Dependent - See CaCO ₃ table		-	-	40	-	-	-	-	-	
Naphthalene	µg/l	10	-	1.2 (inland) 2.4 (other)	-	5	-	-	-	-	-	
Acenaphthylene	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Acenaphthene	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Fluorene	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Phenanthrene	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Anthracene	µg/l	-	-	0.1	0.4	-	-	-	-	-	-	
Fluoranthene	µg/l	0.02	0.1	0.1	1	0.002	0.01	-	-	-	-	
Pyrene	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Benzo(a)anthracene	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Chrysene	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Benzo(b)fluoranthene	µg/l	-	-	0.03	0.03	-	-	-	-	-	-	
Benzo(k)fluoranthene	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Benzo(a)pyrene	µg/l	-	-	0.05	0.1	-	-	-	0.7	0.01	0.01	
Indeno(123-cd)pyrene	µg/l	-	-	0.002	0.002	-	-	-	-	-	-	
Dibenz(ah)anthracene	µg/l	-	-	-	-	-	-	-	-	-	-	No values given
Benzo(ghi)perylene	µg/l	-	-	0.002	0.002	-	-	-	-	-	-	
Total PAH	µg/l			Values for B(ghi)p, I(123-cd)p, B(b)f & b(k)f must be met		-	-	-	-	0.1	0.1	EU & UK DWS values apply to the sum of B(b)f, B(k)f, B(ghi)p & I(123-cd)p.

MAC = Maximum Admisible Concentration; All guideline values taken from the Environment Agencies Website in December 2011.

EQS for the Protection of Sensitive Freshwater Life (e.g. Salmonid Fish)

Determinand	CaCo3 Content (mg/l)					
	0-50	50-100	100-150	150-200	200-250	250+
Chromium (µg/l)	5	10	20	20	50	50
Copper (µg/l)	1 95th percentile = 5	6 95th percentile = 22	10 95th percentile = 40	10 95th percentile = 40	10 95th percentile = 40	28 95th percentile = 112
Lead (µg/l)	4	10	10	20	20	20
Nickel (µg/l)	50	100	150	150	200	200
Vanadium (µg/l)	20	20	20	20	60	60
Total Zinc (µg/l)	8 95th percentile = 30	50 95th percentile = 200	75 95th percentile = 300	75 95th percentile = 300	75 95th percentile = 300	125 95th percentile = 500

Values are Annual Averages unless stated

EQS for the Protection of Other Freshwater Aquatic Life (e.g. Cyprinid Fish)

Determinand	CaCo3 Content (mg/l)					
	0-50	50-100	100-150	150-200	200-250	250+
Chromium (µg/l)	150	175	200	200	250	250
Copper (µg/l)	1 95th percentile = 5	6 95th percentile = 22	10 95th percentile = 40	10 95th percentile = 40	10 95th percentile = 40	28 95th percentile = 112
Lead (µg/l)	50	125	125	250	250	250
Nickel (µg/l)	50	100	150	150	200	200
Vanadium (µg/l)	20	20	20	20	60	60
Total Zinc (µg/l)	75 95th percentile = 300	175 95th percentile = 700	250 95th percentile = 1000	250 95th percentile = 1000	250 95th percentile = 1000	500 95th percentile = 2000

Values are Annual Averages unless stated

EQS for the Protection of Aquatic Life

Determinand	CaCo3 Content (mg/l)	
	<50	>50
Fluoride AA (µg/l)	1000	5000
Fluoride MAC (µg/l)	3000	15000

AA = Annual Average; MAC = Maximum Admissible Value

EQS for the Protection of Surface Water Quality

Determinand	CaCo3 Content (mg/l)				
	<40	40 to <50	50 to <100	100 to <200	≥200
Cadmium (µg/l)	0.08	0.08	0.09	0.15	0.25
Inland Surface Waters	MAC = 0.45	MAC = 0.45	MAC = 0.6	MAC = 0.9	MAC = 1.5
Cadmium (µg/l)	0.2				
Inland Surface Waters					

Values are Annual Averages unless stated

Note:- All guideline values taken from the Environment Agency's website in December 2011

World Health Organisation (WHO) Guideline Values¹ for TPH Fractions in Drinking Water

TPH fraction	Aliphatic fraction (µg/l)	Aromatic fraction (µg/l)
EC5-EC6	1.5×10^4	1.0×10^1 (benzene)
EC>6-EC8	1.5×10^4	7.0×10^2 (toluene)
EC>8-EC10	3.0×10^2	3.0×10^2 (ethylbenzene) 5.0×10^2 (xylenes)
EC>10-EC12	3.0×10^2	9.0×10^1
EC>12-EC16	3.0×10^2	9.0×10^1
EC>16-EC21	-	9.0×10^1
EC>21-EC35	-	9.0×10^1

Source: WHO, 2008

¹ World Health Organisation (WHO), 2008. 'Petroleum products in drinking-water. Background document for development of WHO guidelines for drinking water quality. WHO/SDE/WSH/05/08/123. World Health Organisation, Geneva.

APPENDIX E

GAS AND GROUNDWATER LEVEL MONITORING RESULTS & GA2000 CALIBRATION CERTIFICATES

Comments (including samples)	
17/05/2021	Could only monitor with the Photo Ionisation Detector as the CA2000 was away having a service.
27/05/2021	Unable to monitor W52 as a car was parked over the installation.

CERTIFICATION OF CALIBRATION



Date Of Calibration: 13-Nov-2020

Certificate Number: GA12194_1/26868

Issued by: QED Environmental Systems Ltd.

Customer: The Land Consultancy Ltd
4 Parker Lane Whitestake PRESTON
PR4 4JX UNITED KINGDOM

Description: Gas Analyser

Model: GA2000

Serial Number: GA12194

UKAS Accredited results:

Results after adjustment :

Methane (CH ₄)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	5.0	0.072
15.0	15.0	0.13
60.0	59.8	0.42

Carbon Dioxide (CO ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	4.8	0.074
15.0	14.6	0.13
39.9	39.7	0.29

Oxygen (O ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
21.4	21.4	0.25

The inwards assessment was carried out 03-Nov-2020.

The maximum adjustment is larger than the inwards assessment uncertainty.

Inwards assessment data is available if requested.

All concentrations are molar.

CH₄, CO₂ readings recorded at : 32.0 °C ± 2.5 °C

O₂ readings recorded at : 22.5 °C ± 2.5 °C

Barometric Pressure : 0998 mbar ± 4 mbar

Method of Test : The analyser is calibrated in a temperature controlled chamber using a series of reference gases, in compliance with procedure LP004.

Instrument has passed calibration as the measurement result is within the specification limit. The specification limit takes into account the measurement uncertainty.

The results relate only to the item calibrated

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance:111 IGC Instance:111

Page 1 of 2 | LP015GIUKAS-2.4

www.qedenv.com +44 (0) 333 800 0088 sales@qedenv.co.uk

QED Environmental Systems Ltd. Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QP, UNITED KINGDOM

Registered in England and Wales 1898734

CERTIFICATION OF CALIBRATION



Date Of Calibration: 13-Nov-2020

Certificate Number: GA12194_1/26868

Issued by: QED Environmental Systems Ltd.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Calibrations marked 'Non-UKAS Accredited results' on this certificate have been included for completeness.

Non-UKAS accredited results after adjustment:

Barometer (mbar)	
Reference	Instrument Reading
998	998

Additional Gas Cells		
Gas	Certified Gas (ppm)	Instrument Reading (ppm)
CO	508	508
H ₂ S	261	261

Internal Flow	
Applied (l/hr)	Instrument Reading (l/hr)
5.00	4.97
10.00	9.97

Date of Issue : 16-Nov-2020

Approved by Signatory

Laura McBride

Laboratory Inspection

End of Certificate

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance:111 IGC Instance:111

Page 2 of 2 | LP015GIUKAS-2.4

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QED Environmental Systems Ltd. Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QP, UNITED KINGDOM

Registered in England and Wales 1898734

CERTIFICATION OF CALIBRATION



Date Of Calibration: 21-May-2021

Certificate Number: GA12194_1/28126

Issued by: QED Environmental Systems Ltd.

Customer: The Land Consultancy Ltd
4 Parker Lane Whitestake PRESTON
PR4 4JX UNITED KINGDOM

Description: Gas Analyser

Model: GA2000

Serial Number: GA12194

UKAS Accredited results:

Results after adjustment :

Methane (CH ₄)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	5.0	0.072
15.0	15.0	0.13
60.0	59.8	0.42

Carbon Dioxide (CO ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.0	4.9	0.074
15.0	14.8	0.13
40.0	39.8	0.29

Oxygen (O ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
21.4	21.4	0.25

The inwards assessment was carried out 24-May-2021.

The maximum adjustment is larger than the specification limit.

Inwards assessment data is available if requested.

All concentrations are molar.

CH₄, CO₂ readings recorded at : 32.0 °C ± 2.5 °C

O₂ readings recorded at : 22.4 °C ± 2.5 °C

Barometric Pressure : 0979 mbar ± 4 mbar

Method of Test : The analyser is calibrated in a temperature controlled chamber using a series of reference gases, in compliance with procedure LP004.

Instrument has passed calibration as the measurement result is within the specification limit. The specification limit takes into account the measurement uncertainty.

The results relate only to the item calibrated

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance:112 IGC Instance:112

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QED Environmental Systems Ltd. Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QP, UNITED KINGDOM

Registered in England and Wales 1898734

CERTIFICATION OF CALIBRATION



Date Of Calibration: 21-May-2021

Certificate Number: GA12194_1/28126

Issued by: QED Environmental Systems Ltd.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Calibrations marked 'Non-UKAS Accredited results' on this certificate have been included for completeness.

Non-UKAS accredited results after adjustment:

Barometer (mbar)	
Reference	Instrument Reading
979	980

Additional Gas Cells		
Gas	Certified Gas (ppm)	Instrument Reading (ppm)
CO	486	486
H ₂ S	250	251

Internal Flow	
Applied (l/hr)	Instrument Reading (l/hr)
5	5.1
10	9.9

Date of Issue : 24-May-2021

Approved by Signatory

Dawn Hemings

Laboratory Inspection

End of Certificate

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Calibration Instance:112 IGC Instance:112

Page 2 of 2 | LP015GIUKAS-2.5

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QED Environmental Systems Ltd. Cyan Park - Unit 3, Jimmy Hill Way, Coventry, CV2 4QP, UNITED KINGDOM

Registered in England and Wales 1898734

APPENDIX F

PHOTO IONISATION DETECTOR CALIBRATION CERTIFICATE



...everything gas detection

Certificate of Calibration

Customer: Ribble Enviro Hire Fleet

Instrument: MiniRAE Lite

Job: Pre-Hire Service, Test & Calibration

Serial number: 590-902537

Fleet Number: R33340

Certificate no: 902537 / 230421

Next calibration due date: 23 Apr 2022

Tested on: 23 Apr 2021

Calibrated for: Isobutylene

<u>Applied Gas Concentration:</u>	<u>Cylinder Reference:</u>	<u>Initial Sensor Reading</u>	<u>Final Sensor Reading</u>	<u>Accuracy Limits</u>
Isobutylene: 100 ppm	AGG 4701-4-3	93.4 ppm	100.5 ppm	± 10%

The instrument has been calibrated after re-zeroing & introducing span calibration gas, using gas that is traceable to national standards and has been prepared in accordance with BSENISO1645-6:2017

Calibration Engineer: LESLEY BAINBRIDGE

Sign: _____

Quality Assessed by (Print):	C.S.	Sign:	
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APPENDIX G

EMS BOREHOLE LOGS AND CHEMICAL TESTING RESULTS

BOREHOLE No. 1

Equipment & Methods

Shell and Auger

Location No. BH1

Location See location plan

Carried out for

Bingham Davis

Date

3rd March 2008

Description	Reduced	Legend	Depth	Sample/Tests			Field Records	
				Depth	Sample			Test
					Type	No.		
Ground Surface	0.00		0.00					
Made Ground MADE GROUND- brick and ashfill	-0.60			D	BH1/200		G-SP-EPH	
Sand Clayey SAND with a small amount of intermixed fill				D	BH1/600		G-SP-EPH	
				S		N = 3		
	-2.00		2.00					
Sand Coarse brown SAND	-2.35			D S	BH1/2000	N = 34	G-SP-EPH	
Sand and Gravel SAND with fine, small and medium GRAVEL				C		N = 39		
	-4.20		4.00					
Sandstone SANDSTONE	-4.50			C		Refusal		
			6.00					
			8.00					

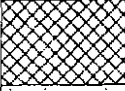
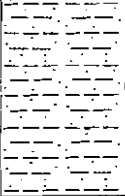
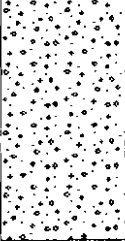
Remarks

Weather: Rain with sunny intervals
Groundwater not encountered during drilling
Water added to aid drilling

Logged by JCP

Scale 1:50

Notes

						BOREHOLE No. 2	
Equipment & Methods		Location No. BH2					
Shell and Auger		Location See location plan					
Carried out for Bingham Davis		Date 3rd March 2008					
Description	Reduced	Legend	Depth	Sample/Tests			Field Records
				Depth	Sample Type No.	Test	
Ground Surface	0.00		0.00				
Made Ground MADE GROUND- brick and ashfill	-0.60				D BH2/200		G-SP-EPH
Sand Clayey SAND with a small amount of intermixed fill					D BH2/600		G-SP-EPH
	-2.00				S	N = 2	
Sand Coarse brown SAND with a small amount of clay	-2.50		2.00		D S BH2/2000	N = 6	G-SP-EPH
Sand and Gravel Coarse brown SAND with small amounts of GRAVEL					C	N = 4	
	-4.20		4.00		C	Refusal	
Sandstone SANDSTONE	-4.70						
			6.00				
			8.00				
Remarks Weather: Rain with sunny intervals Groundwater not encountered during drilling Water added to aid drilling						Logged by JCP	
						Scale 1:50	

BOREHOLE No. 3
Equipment & Methods

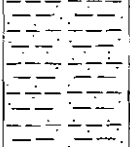
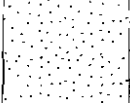
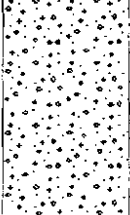
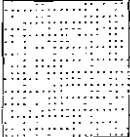
Shell and Auger

Location No. BH3

Location See location plan

 Carried out for
Bingham Davis

Date 3rd March 2008

Description	Reduced	Legend	Depth	Sample/Tests			Field Records	
				Depth	Sample			Test
					Type	No.		
Ground Surface	0.00		0.00					
Made Ground MADE GROUND- brick and ashfill	-0.50			D	BH3/200		G-SP-EPH	
Sand Clayey SAND with a small amount of intermixed fill	-1.60			D	BH3/600		G-SP-EPH	
Sand Coarse brown SANDwith a small amount of clay	-2.40		2.00	S		N = 1		
Sand and Gravel Coarse brown SAND with small amounts of GRAVEL	-4.00			D S	BH3/2000	N = 16	G-SP-EPH	
				C		N = 32		
Sandstone SANDSTONE	-4.00		4.00					
	-4.95			C		Refusal		
			6.00					
			8.00					

Remarks

 Weather: Rain with sunny intervals
Groundwater not encountered during drilling
Water added to aid drilling

Logged by JCP

Scale 1:50

Notes

SUMMARY REPORT

CLIENT Environmental Management Solutions Ltd
Lloyd George House
Fordshill Road
Roithwas
Hereford
HR2 6NS

LAB REF. 08/226
ISSUE NO. 1
DATE SCHEDULED 05/03/08
DATE TESTED 5-19/3/8
DATE REPORTED 18/03/08

CONTACT Jamie Perkins
JOB NAME Commercial Street Manchester
JOB REF. EMS/1240
ORDER NO.

Lab sample ID	08/226/1	08/226/2	08/226/3	08/226/4	08/226/5
Client sample ID	BH1/200	BH1/600	BH1/2000	BH2/200	BH2/600
Date sampled	03/03/08	03/03/08	03/03/08	03/03/08	03/03/08
Sample type	Soil	Soil	Soil	Soil	Soil
Matrix code	2a	5	5	2a	5

Analyte	LOD	Units	ISO 17025	NCERTS	Method ref.					
pH	D		Y	Y	4	7.5	7.7	7.0	6.1	7.7
Sulphate (2:1 water soluble)	D	0.02	g/l	Y	Y	12	<0.02	<0.02	<0.02	<0.02
Cyanide (total)	A	1	mg/kg	Y	Y	8	1	<1	<1	<1
Phenols screen	A	1	mg/kg	Y	Y	7	1	2	1	<1
Sulphide	A	1	mg/kg			9	20	4	2	14
Arsenic	D	5	mg/kg	Y	Y	2	35	21	7	16
Boron (water soluble)	D	1	mg/kg			3	<1	<1	<1	<1
Cadmium	D	0.5	mg/kg	Y	Y	2	<0.5	<0.5	<0.5	<0.5
Copper	D	5	mg/kg	Y	Y	2	382	54	24	97
Chromium	D	5	mg/kg	Y	Y	2	18	35	22	20
Lead	D	5	mg/kg	Y	Y	2	<1	80	26	1184
Mercury	D	0.5	mg/kg			2	<0.5	<0.5	<0.5	<0.5
Nickel	D	5	mg/kg	Y	Y	2	43	30	15	29
Selenium	D	5	mg/kg			2	<5	<5	<5	<5
Sulphur (total)	D	300	mg/kg			2	621	<300	<300	625
Zinc	D	5	mg/kg			2	164	57	50	134
VOC (GC/MS)	A	10	µg/kg			29	#	#	-	#
PAH (speciated) (GC/MS)	A	0.1	mg/kg			24	#	#	#	#
EPH (C10 - C40) (GC/MS)	A	10	mg/kg			26	64	<10	<10	1654

NOTES:

- All results, except BTEX, EPC and VOC, are reported as dry weight (35°C).
- Stones > 5mm and extraneous material (grass, metal etc.) are removed during grinding. Results have been corrected for any stones or extraneous material removed from the sample.
- Analyses suffixed 'A' were performed on the sample as submitted.
- Analyses suffixed 'D' were performed on the sample dried at 35°C.
- # indicates separate report appeared. * no data subcontracted analyses.
- Samples with matrix code 7 are not covered by our NCERTS accreditation.
- Screening was performed on these samples within the scope of our accreditation.
- NAD indicates No Asbestos Detected.

AUTHORISED BY



John Gustafson
Laboratory Manager

PAGE 1 OF 2

Hillhouse Business Park, PO Box 4, Thornton Cleveleys, Lancashire FY5 4QD
Tel 01253 961825 Fax 01253 961824
Email info@regeniq.com www.regeniq.com

Registered Office: 100 Barbirolli Square, Manchester M2 3AB Registered in England No. 06006650

SUMMARY REPORT

CLIENT Environmental Management Solutions Ltd
Lloyd George House
Fordshill Road
Rotherwas
Hereford
HR2 6NS

LAB REF. 08/226
ISSUE NO. 1
DATE SCHEDULED 05/03/08
DATE TESTED 5-18/3/8
DATE REPORTED 18/03/08

CONTACT Jamie Perkins
JOB NAME Commercial Street Manchester
JOB REF. EMS/1240
ORDER NO.

Lab sample ID	08/226/6	08/226/7	08/226/8	08/226/9
Client sample ID	BH2/2000	BH3/200	BH3/600	BH3/2000
Date sampled	03/03/08	04/03/08	04/03/08	04/03/08
Sample type	Soil	Soil	Soil	Soil
Matrix code	5	2a	3	1

Analyte	LOD	Units	ISO 17025	MCERTS	Method ref.				
pH	D		Y	Y	4	6.8	8.1	7.5	7.1
Sulphate (2:1 water soluble)	D	0.02	g/l	Y	Y	12	<0.02	<0.02	<0.02
Cyanide (total)	A	1	mg/kg	Y	Y	8	<1	<1	3
Phenols screen	A	1	mg/kg	Y	Y	7	<1	<1	<1
Sulphide	A	1	mg/kg			9	2	15	5
Arsenic	D	5	mg/kg	Y	Y	2	8	15	12
Boron (water soluble)	D	1	mg/kg			3	1	<1	<1
Cadmium	D	0.5	mg/kg	Y	Y	2	<0.5	<0.5	<0.5
Copper	D	5	mg/kg	Y	Y	2	20	89	84
Chromium	D	5	mg/kg	Y	Y	2	26	13	30
Lead	D	5	mg/kg	Y	Y	2	22	415	64
Mercury	D	0.5	mg/kg			2	<0.5	2.2	<0.5
Nickel	D	5	mg/kg	Y	Y	2	17	18	26
Selenium	D	5	mg/kg			2	<5	<5	<5
Sulphur (total)	D	300	mg/kg			2	<300	966	<300
Zinc	D	5	mg/kg			2	63	174	75
VOC (GCMS)	A	10	ug/kg			29	-	#	#
PAH (speciated) (GCMS)	A	0.1	mg/kg			24	#	#	#
EPH (>C10 - C40) (GC/FID)	A	10	mg/kg			26	16	229	42

NOTES:

- All results, except PTEX, GPC and VOC, are reported as dry weight (35°C)
- Stones >2mm and extraneous material (glass, metal etc.) are removed during grinding. Results have been corrected for any stones or extraneous material removed from the sample.
- Analyses suffixed "A" were performed on the sample as submitted.
- Analyses suffixed "D" were performed on the sample dried at 35°C.
- # indicates separate report appended. * indicates subcontracted analyses.
- Samples with matrix code 7 are not covered by our MCERTS accreditation.
- Sampling was performed by others and is outwith the scope of our accreditation.
- NAD indicates No Asbestos Detected.

AUTHORISED BY

John Gustafson
Laboratory Manager

PAGE 2 OF 2

Analysis :

VOLATILE ORGANIC COMPOUNDS

File No. 08/226

Sample Matrix Soil

Sample ID	BH 1 / 200	08/226/1
-----------	------------	----------

3/3/08

all values in µg/kg

Compound	CAS No.	
dichlorodifluoromethane	075-71-8	<10
chloromethane	074-87-3	<10
chloroethene	075-01-4	<10
bromomethane	074-83-9	<10
chloroethane	075-00-3	<10
trichlorofluoromethane	075-69-4	<10
diethyl ether	060-29-7	<10
1,1-dichloroethene	075-35-4	<10
1,1,2-trichlorotrifluoroethane	076-13-1	<10
carbon disulphide	075-15-0	<10
iodomethane	074-88-4	<10
allyl chloride	107-08-1	<10
trans-1,2-dichloroethene	156-60-5	<10
chloropropene	107-06-1	<10
1,1-dichloroethane	075-34-3	<10
acrylonitrile	107-13-1	<10
cis-1,2-dichloroethene	156-59-2	<10
2,2-dichloropropane	594-20-7	<10
bromochloromethane	074-97-5	<10
trichloromethane	067-68-3	<10
tetrachloromethane	056-23-5	<10
1,1,1-trichloroethane	071-65-3	<10
1,1-dichloropropene	563-68-6	<10
benzene	071-43-2	<10
1,2-dichloroethane	107-06-2	<10
trichloroethene	079-01-6	<10
dibromomethane	074-95-3	<10
1,2-dichloropropane	078-87-5	<10
bromodichloromethane	075-27-4	<10
methyl methacrylate	080-62-6	<10
cis-1,3-dichloro-1-propene	10061-01-6	<10
toluene	108-88-3	<10
tetrachloroethene	127-18-4	<10

trans-1,3-dichloro-1-propene	10061-02-6	<10
ethyl methacrylate	097-63-2	<10
1,1,2-trichloroethane	079-00-5	<10
dibromochloromethane	124-48-1	<10
1,3-dichloropropane	142-28-9	<10
1,2-dibromoethane	106-93-4	<10
chlorobenzene	108-90-7	<10
ethylbenzene	100-41-4	<10
1,1,1,2-tetrachloroethane	630-20-6	<10
m&p-xylene	106-56-0/106-42-3	<10
o-xylene	095-47-6	<10
styrene	100-42-5	<10
tribromomethane	075-25-2	<10
iso-propylbenzene	525-73-8	<10
n-propylbenzene	103-65-1	<10
bromobenzene	108-88-1	<10
1,3,5-trimethylbenzene	108-67-8	<10
2-chlorotoluene	095-49-8	<10
1,1,2,2-tetrachloroethane	075-34-5	<10
1,2,3-trichloropropane	096-18-4	<10
4-chlorotoluene	108-43-4	<10
tert-butylbenzene	108-67-8	<10
1,2,4-trimethylbenzene	095-63-6	<10
sec-butylbenzene	135-98-8	<10
p-isopropyltoluene	099-57-6	<10
pentachloroethane	075-31-7	<10
1,3-dichlorobenzene	541-73-1	<10
1,4-dichlorobenzene	106-49-7	<10
n-butylbenzene	104-51-8	<10
1,2-dichlorobenzene	095-50-1	<10
hexachloroethane	067-72-1	<10
1,2-dibromo-3-chloropropane	096-12-8	<10
hexachlorobutadiene	087-38-3	<10

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Analysis :

VOLATILE ORGANIC COMPOUNDS

File No. **08/226**

Sample Matrix **Soil**

Sample ID	BH 1 / 600	08/226/2
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3/3/08

all values in µg/kg

Compound	CAS No.	
dichlorodifluoromethane	075-71-8	<10
chloromethane	074-87-3	<10
chloroethene	075-01-4	<10
bromomethane	074-83-9	<10
chloromethane	075-00-3	<10
trichlorofluoromethane	075-69-4	<10
diethyl ether	080-29-7	<10
1,1-dichloroethene	075-35-4	<10
1,1,2-trichlorotrifluoroethane	075-13-1	<10
carbon disulphide	075-15-0	<10
iodomethane	074-88-4	<10
ethyl chloride	107-05-1	<10
trans-1,2-dichloroethene	156-60-5	<10
chloropropene	107-05-1	<10
1,1-dichloroethane	075-34-3	<10
acrylonitrile	107-13-1	<10
cis-1,2-dichloroethene	156-59-2	<10
2,2-dichloropropane	594-20-7	<10
bromochloromethane	074-97-5	<10
trichloromethane	067-86-3	<10
tetrachloromethane	068-23-5	<10
1,1,1-trichloroethane	071-55-6	<10
1,1-dichloropropene	563-58-3	<10
benzene	071-43-2	<10
1,2-dichloroethane	107-06-2	<10
trichloroethene	075-01-6	<10
dibromomethane	074-95-3	<10
1,2-dichloropropane	078-87-5	<10
bromodichloromethane	075-27-4	<10
methyl methacrylate	080-62-6	<10
cis-1,3-dichloro-1-propene	10061-01-6	<10
toluene	108-88-3	<10
tetrachloroethene	127-18-4	<10

trans-1,3-dichloro-1-propene	10061-02-6	<10
ethyl methacrylate	097-63-2	<10
1,1,2-trichloroethane	079-00-5	<10
dibromochloromethane	124-46-1	<10
1,3-dichloropropane	142-28-9	<10
1,2-dibromoethane	106-93-4	<10
chlorobenzene	108-90-7	<10
ethylbenzene	100-41-4	<10
1,1,1,2-tetrachloroethane	630-20-6	<10
m&p-xylene	106-38-5/106-42-3	<10
o-xylene	095-47-6	<10
styrene	100-42-5	<10
tribromomethane	075-25-2	<10
iso-propylbenzene	626-73-8	<10
n-propylbenzene	103-65-1	<10
bromobenzene	108-86-1	<10
1,3,5-trimethylbenzene	108-87-8	<10
2-chlorotoluene	095-49-8	<10
1,1,2,2-tetrachloroethane	079-34-5	<10
1,2,3-trichloropropane	096-16-4	<10
4-chlorotoluene	106-43-4	<10
tert-butylbenzene	108-57-8	<10
1,2,4-trimethylbenzene	086-63-6	<10
sec-butylbenzene	135-98-8	<10
p-isopropyltoluene	099-87-6	<10
pentachloroethane	076-01-7	<10
1,3-dichlorobenzene	541-73-1	<10
1,4-dichlorobenzene	106-46-7	<10
n-butylbenzene	104-51-6	<10
1,2-dichlorobenzene	095-60-1	<10
hexachloroethane	067-72-1	<10
1,2-dibromo-3-chloropropane	386-12-8	<10
hexachlorobutadiene	067-66-3	<10

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Analysis :

VOLATILE ORGANIC COMPOUNDS

File No. 08/226
Sample Matrix Soil

Sample ID	BH 2 / 200	08/226/4
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3/3/08

all values in µg/kg

Compound	CAS No.	
dichlorodifluoromethane	075-71-8	<10
chloromethane	074-87-3	<10
chloroethene	075-01-4	<10
bromomethane	074-83-9	<10
chloroethane	075-00-5	<10
trichlorofluoromethane	075-69-4	<10
diethyl ether	060-29-7	<10
1,1-dichloroethene	075-35-4	<10
1,1,2-trichlorotrifluoroethane	076-13-1	<10
carbon disulphide	075-15-0	<10
iodomethane	074-88-4	<10
silvl chloride	107-06-1	<10
trans-1,2-dichloroethene	156-60-5	<10
chloropropene	107-05-1	<10
1,1-dichloroethane	075-34-3	<10
acrylonitrile	107-13-1	<10
cis-1,2-dichloroethene	156-59-2	<10
2,2-dichloropropane	594-20-7	<10
bromochloromethane	074-97-5	<10
trichloromethane	067-66-3	<10
tetrachloromethane	056-23-5	<10
1,1,1-trichloroethane	071-55-6	<10
1,1-dichloropropene	553-58-6	<10
benzene	071-43-2	<10
1,2-dichloroethane	107-06-2	<10
trichloroethene	079-01-6	<10
dibromomethane	074-95-3	<10
1,2-dichloropropane	076-87-5	<10
bromodichloromethane	075-27-4	<10
methyl methacrylate	080-52-6	<10
cis-1,3-dichloro-1-propene	10061-01-5	<10
toluene	108-88-3	<10
tetrachloroethane	127-18-4	<10

trans-1,3-dichloro-1-propene	10061-02-6	<10
ethyl methacrylate	097-63-2	<10
1,1,2-trichloroethane	079-00-5	<10
dibromochloromethane	124-48-1	<10
1,3-dichloropropane	142-28-9	<10
1,2-dibromoethane	106-93-4	<10
chlorobenzene	108-90-7	<10
ethylbenzene	100-41-4	<10
1,1,1,2-tetrachloroethane	633-20-6	<10
m,p-xylene	108-38-3/105-42-2	<10
o-xylene	095-47-6	<10
styrene	100-42-5	<10
tribromomethane	075-25-2	<10
iso-propylbenzene	526-73-6	<10
n-propylbenzene	105-65-1	<10
bromobenzene	108-96-1	<10
1,3,5-trimethylbenzene	108-67-5	<10
2-chlorotoluene	095-49-3	<10
1,1,2,2-tetrachloroethane	079-34-5	<10
1,2,3-trichloropropane	086-16-4	<10
4-chlorotoluene	105-43-4	<10
tert-butylbenzene	108-67-8	<10
1,2,4-trimethylbenzene	095-63-6	<10
sec-butylbenzene	135-99-8	<10
p-isopropyltoluene	099-87-5	<10
pentachloroethane	076-01-7	<10
1,3-dichlorobenzene	541-73-1	<10
1,4-dichlorobenzene	106-46-7	<10
n-butylbenzene	104-51-8	<10
1,2-dichlorobenzene	095-50-1	<10
hexachloroethane	067-72-1	<10
1,2-dibromo-3-chloropropane	096-12-8	<10
hexachlorocyclopentadiene	027-58-3	<10

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Analysis :

VOLATILE ORGANIC COMPOUNDS

File No.

08/226

Sample Matrix

Soil

Sample ID	BH 2 / 600	08/226/5
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3/3/08

all values in µg/kg

Compound	CAS No.	
dichlorodifluoromethane	075-71-8	<10
chloromethane	074-87-3	<10
chloroethene	075-01-4	<10
bromomethane	074-83-9	<10
chloroethane	075-00-3	<10
trichlorofluoromethane	075-69-4	<10
diethyl ether	080-29-7	<10
1,1-dichloroethane	075-35-4	<10
1,1,2-trichlorotrifluoroethane	076-13-1	<10
carbon disulphide	075-15-0	<10
iodomethane	074-88-4	<10
allyl chloride	107-05-1	<10
trans-1,2-dichloroethene	156-60-5	<10
chloropropene	107-06-1	<10
1,1-dichloroethane	075-34-3	<10
acrylonitrile	107-13-1	<10
cis-1,2-dichloroethene	156-59-2	<10
2,2-dichloropropane	594-20-7	<10
bromochloromethane	074-97-5	<10
trichloromethane	067-66-3	<10
tetrachloromethane	056-23-5	<10
1,1,1-trichloroethane	071-55-5	<10
1,1-dichloropropene	563-53-6	<10
benzene	071-43-2	<10
1,2-dichloroethane	107-06-2	<10
trichloroethene	079-01-5	<10
dibromomethane	074-95-3	<10
1,2-dichloropropane	076-87-5	<10
bromodichloromethane	075-27-4	<10
methyl methacrylate	080-62-6	<10
cis-1,3-dichloro-1-propene	10061-01-5	<10
toluene	108-88-3	<10
tetrachloroethene	127-18-4	<10

trans-1,3-dichloro-1-propene	10061-02-6	<10
ethyl methacrylate	097-63-2	<10
1,1,2-trichloroethane	079-00-5	<10
dibromochloromethane	124-48-1	<10
1,3-dichloropropane	142-28-9	<10
1,2-dibromoethane	106-93-4	<10
chlorobenzene	108-90-7	<10
ethylbenzene	100-41-4	<10
1,1,1,2-tetrachloroethane	630-20-5	<10
m&p-xylene	106-38-3/106-42-3	<10
o-xylene	095-47-6	<10
styrene	100-42-5	<10
tribromomethane	075-25-2	<10
iso-propylbenzene	526-73-6	<10
n-propylbenzene	103-65-1	<10
bromobenzene	108-86-1	<10
1,3,5-trimethylbenzene	108-67-8	<10
2-chlorotoluene	095-49-8	<10
1,1,2,2-tetrachloroethane	079-34-5	<10
1,2,3-trichloropropane	096-18-4	<10
4-chlorotoluene	106-43-4	<10
tert-butylbenzene	108-67-8	<10
1,2,4-trimethylbenzene	095-83-8	<10
sec-butylbenzene	136-93-8	<10
p-isopropyltoluene	099-87-6	<10
pentachloroethane	078-01-7	<10
1,3-dichlorobenzene	541-73-1	<10
1,4-dichlorobenzene	106-46-7	<10
n-butylbenzene	104-51-8	<10
1,2-dichlorobenzene	095-50-1	<10
hexachloroethane	087-72-1	<10
1,2-dibromo-3-chloropropane	295-12-8	<10
hexachlorobutadiene	087-68-3	<10

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Analysis :

VOLATILE ORGANIC COMPOUNDS

File No. **08/226**

Sample Matrix **Soil**

	BH 3 / 200	08/226/7
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3/3/08

all values in µg/kg

Compound	CAS No.	
dichlorodifluoromethane	075-71-8	<10
chloromethane	074-87-3	<10
chloroethene	075-01-4	<10
bromomethane	074-83-9	<10
chloroethane	075-00-3	<10
trichlorofluoromethane	075-69-4	<10
diethyl ether	060-29-7	<10
1,1-dichloroethane	075-35-4	<10
1,1,2-trichlorotrifluoroethane	076-13-1	<10
carbon disulphide	075-15-0	<10
iodomethane	074-88-4	<10
allyl chloride	107-05-1	<10
trans-1,2-dichloroethene	156-60-5	<10
chloropropene	107-05-1	<10
1,1-dichloroethane	075-34-3	<10
acrylonitrile	107-13-1	<10
cis-1,2-dichloroethene	156-59-2	<10
2,2-dichloropropane	594-20-7	<10
bromochloromethane	074-97-5	<10
trichloromethane	067-66-3	<10
tetrachloromethane	066-23-5	<10
1,1,1-trichloroethane	071-55-6	41
1,1-dichloropropene	563-58-6	<10
benzene	071-43-2	<10
1,2-dichloroethane	107-06-2	<10
trichloroethene	079-01-6	<10
dibromomethane	074-95-3	<10
1,2-dichloropropane	078-67-5	<10
bromodichloromethane	075-27-4	<10
methyl methacrylate	080-62-6	<10
cis-1,3-dichloro-1-propene	10061-01-5	<10
toluene	108-86-3	<10
tetrachloroethene	127-18-4	<10

trans-1,3-dichloro-1-propene	10061-02-6	<10
ethyl methacrylate	097-63-2	<10
1,1,2-trichloroethane	079-00-5	<10
dibromochloromethane	124-48-1	<10
1,3-dichloropropane	142-28-9	<10
1,2-dibromoethane	106-93-4	<10
chlorobenzene	108-90-7	<10
ethylbenzene	100-41-4	<10
1,1,1,2-tetrachloroethane	630-20-6	<10
m&p-xylene	106-38-3/106-42-3	<10
o-xylene	095-47-5	<10
styrene	100-42-5	<10
tribromomethane	075-25-2	<10
iso-propylbenzene	526-73-8	<10
n-propylbenzene	103-65-1	<10
bromobenzene	108-86-1	<10
1,3,5-trimethylbenzene	108-67-5	<10
2-chlorotoluene	095-43-8	<10
1,1,2,2-tetrachloroethane	079-34-5	<10
1,2,3-trichloropropane	096-18-4	<10
4-chlorotoluene	105-43-4	<10
tert-butylbenzene	108-67-8	<10
1,2,4-trimethylbenzene	095-63-6	<10
sec-butylbenzene	135-98-6	<10
p-isopropyltoluene	099-87-8	<10
pentachloroethane	076-01-7	<10
1,3-dichlorobenzene	541-73-1	<10
1,4-dichlorobenzene	106-46-7	<10
n-butylbenzene	104-51-8	<10
1,2-dichlorobenzene	095-50-1	<10
hexachloroethane	067-72-1	<10
1,2-dibromo-3-chloropropane	096-12-8	<10
hexachlorobutadiene	087-68-3	<10

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Analysis :

VOLATILE ORGANIC COMPOUNDS

File No. **08/226**

Sample Matrix **Soil**

Sample ID	BH 3 / 600	08/226/8
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3/3/08

all values in µg/kg

Compound	CAS No.	
dichlorodifluoromethane	075-71-8	<10
chloromethane	074-87-3	<10
chloroethene	075-01-4	<10
bromomethane	074-83-9	<10
chloroethane	075-00-3	<10
trichlorofluoromethane	075-69-4	<10
diethyl ether	060-29-7	<10
1,1-dichloroethene	075-35-4	<10
1,1,2-trichlorotrifluoroethane	076-13-1	<10
carbon disulphide	075-15-0	<10
iodomethane	074-88-4	<10
allyl chloride	107-05-1	<10
trans-1,2-dichloroethene	156-60-5	<10
chloropropene	107-05-1	<10
1,1-dichloroethane	075-34-3	<10
acrylonitrile	107-13-1	<10
cis-1,2-dichloroethene	156-59-2	<10
2,2-dichloropropane	594-20-7	<10
bromochloromethane	074-97-5	<10
trichloromethane	067-66-3	<10
tetrachloromethane	056-23-5	<10
1,1,1-trichloroethane	071-55-5	<10
1,1-dichloropropene	563-56-5	<10
benzene	071-43-2	<10
1,2-dichloroethane	107-06-2	<10
trichloroethene	079-01-6	<10
dibromomethane	074-96-3	<10
1,2-dichloropropane	078-87-5	<10
bromodichloromethane	075-27-4	<10
methyl methacrylate	080-62-6	<10
cis-1,3-dichloro-1-propene	10061-01-6	<10
toluene	108-88-3	<10
tetrachloroethene	127-18-4	<10

trans-1,3-dichloro-1-propene	10061-02-6	<10
ethyl methacrylate	097-63-2	<10
1,1,2-trichloroethane	079-00-5	<10
dibromochloromethane	124-48-1	<10
1,3-dichloropropane	142-28-9	<10
1,2-dibromoethane	106-93-4	<10
chlorobenzene	108-90-7	<10
ethylbenzene	100-41-4	<10
1,1,1,2-tetrachloroethane	630-20-6	<10
m&p-xylene	108-38-3/106-42-3	<10
o-xylene	095-47-3	<10
styrene	100-42-5	<10
tribromomethane	075-25-2	<10
iso-propylbenzene	526-73-8	<10
n-propylbenzene	103-65-1	<10
bromobenzene	108-86-1	<10
1,3,5-trimethylbenzene	108-67-8	<10
2-chlorotoluene	095-49-8	<10
1,1,2,2-tetrachloroethane	079-34-5	<10
1,2,3-trichloropropane	096-18-4	<10
4-chlorotoluene	106-43-4	<10
tert-butylbenzene	108-67-8	<10
1,2,4-trimethylbenzene	095-63-6	<10
sec-butylbenzene	135-98-8	<10
p-isopropyltoluene	099-87-6	<10
pentachloroethane	076-01-7	<10
1,3-dichlorobenzene	541-73-1	<10
1,4-dichlorobenzene	106-46-7	<10
n-butylbenzene	104-51-8	<10
1,2-dichlorobenzene	095-50-1	<10
hexachloroethane	067-72-1	<10
1,2-dibromo-3-chloropropane	095-12-8	<10
hexachlorobutadiene	087-68-3	<10

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Analysis : **POLYNUCLEAR AROMATIC HYDROCARBONS**

Job No. **08/226**
Sample Matrix **Soil**

all values in mg/kg	Sample ID	08/226/1 BH 1 / 200	08/226/2 BH 1 / 600	08/226/3 BH 1 / 2000	08/226/4 BH 2 / 200	08/226/5 BH 2 / 600
Compound	CAS No.					
naphthalene	091-20-3	<0.1	<0.1	<0.1	6.9	<0.1
2-methylnaphthalene	091-57-6	<0.1	<0.1	<0.1	1.7	<0.1
1-methylnaphthalene	090-12-0	<0.1	<0.1	<0.1	2.9	<0.1
acenaphthylene	208-96-8	<0.1	<0.1	<0.1	1.1	<0.1
acenaphthene	083-32-9	0.1	<0.1	<0.1	16.7	<0.1
fluorene	086-73-7	0.1	<0.1	<0.1	10.5	<0.1
phenanthrene	085-01-8	1.2	<0.1	<0.1	76.8	<0.1
anthracene	120-12-7	0.2	<0.1	<0.1	17.2	<0.1
fluoranthene	206-44-0	2.1	<0.1	<0.1	66.6	<0.1
pyrene	129-00-0	2.0	<0.1	<0.1	54.3	<0.1
benzo[a]anthracene	056-55-3	0.1	<0.1	<0.1	23.4	<0.1
chysene	218-01-9	1.0	<0.1	<0.1	23.8	<0.1
benzo[b]fluoranthene	205-99-2	1.5	0.2	<0.1	19.9	<0.1
benzo[k]fluoranthene	207-08-9	0.5	<0.1	<0.1	5.7	<0.1
benzo[a]pyrene	050-32-8	1.4	0.1	<0.1	14.4	<0.1
indeno[1,2,3-cd]pyrene	050-32-8	0.6	<0.1	<0.1	2.3	<0.1
dibenzo[a,h]anthracene	193-39-5	0.2	<0.1	<0.1	0.6	<0.1
benzo[ghi]perylene	053-70-3	0.6	0.1	<0.1	3.0	<0.1
coronene	191-24-2	0.8	0.1	<0.1	4.1	<0.1

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Analysis : **POLYNUCLEAR AROMATIC HYDROCARBONS**

Job No. **08/226**
Sample Matrix **Soil**

all values in mg/kg

	Sample ID	08/226/6 BH 2 / 2000	08/226/7 BH 3 / 200	08/226/8 BH 3 / 600	08/226/9 BH 3 / 2000
Compound	CAS No.				
naphthalene	091-20-3	<0.1	0.5	<0.1	<0.1
2-methylnaphthalene	091-57-6	<0.1	0.1	<0.1	<0.1
1-methylnaphthalene	090-12-0	<0.1	0.1	<0.1	<0.1
acenaphthylene	208-96-8	<0.1	0.3	<0.1	<0.1
acenaphthene	083-32-9	<0.1	1.0	<0.1	<0.1
fluorene	086-73-7	<0.1	1.1	<0.1	<0.1
phenanthrene	085-01-8	<0.1	11.4	<0.1	<0.1
anthracene	120-12-7	0.1	4.0	0.1	<0.1
fluoranthene	206-44-0	<0.1	16.2	0.1	<0.1
pyrene	129-00-0	<0.1	13.5	0.1	<0.1
benzo[a]anthracene	056-55-3	<0.1	6.8	<0.1	<0.1
chrysene	218-01-9	<0.1	6.8	<0.1	<0.1
benzo[b]fluoranthene	205-99-2	<0.1	6.2	<0.1	<0.1
benzo[k]fluoranthene	207-08-9	<0.1	2.4	<0.1	<0.1
benzo[a]pyrene	050-32-8	<0.1	4.9	<0.1	<0.1
indeno[1,2,3-cd]pyrene	050-32-8	<0.1	1.1	<0.1	<0.1
dibenzo[a,h]anthracene	193-39-5	<0.1	0.5	<0.1	<0.1
benzo[ghi]perylene	053-70-3	<0.1	1.1	<0.1	<0.1
coronene	191-24-2	<0.1	1.5	<0.1	<0.1

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