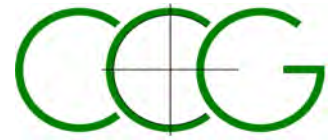


APPENDIX B: SITE PHOTOGRAPHS

APPENDIX C: SAMPLING METHODOLOGIES



SAMPLING, SAMPLE TRANSPORTATION, AND FIELD MONITORING PROTOCOLS

Soil, water and gas sampling and monitoring methodologies employed by **CC GEOTECHNICAL LTD** are presented hereunder.

SAMPLING OF SOIL FOR CHEMICAL ANALYSIS

Soil samples may be recovered from a variety of intrusive investigation methods including *inter alia* dynamic sampling boreholes, cable percussion boreholes, machine or manual excavation of trial pits.

All equipment which has the potential to introduce extraneous materials into soils – borehole casings, sampling drilling rods, borehole sampling tools, hand tools such as trowels and spades etc. – must be cleaned by jet washing before initial use and between sampling positions.

Cable Percussion Boreholes

In this method of investigation disturbed bulk and small disturbed samples are recovered at regular depth increments throughout the length of the borehole. Each bulk/small disturbed sample is uniquely labelled with the Project Name / Project No / Borehole No / Depth / Date. Where possible, samples are immediately scanned by PID.

Light Dynamic Sampling Boreholes

In this method of investigation samples are recovered in relatively undisturbed 1m long Perspex liners. Each liner is uniquely labelled with the Project Name / Project No / Borehole No / Depth / Date. The liner tubes are sealed by air tight caps fitted at each end, and are temporarily stored out of sunlight. Where possible, samples are immediately split, scanned by PID, logged and subsampled. In the event that splitting and logging on site is not practicable, then the liners are immediately transported to the laboratory where they are immediately split, scanned by PID, logged and subsampled.

Trial Pits

Samples are to be taken from the bucket of an excavator and placed in appropriate airtight containers. Each container is uniquely labelled with the Project No / Trial Pit No / Depth / Date. The samples are then immediately placed in a cool box chilled by ice packs, and the boxes are sealed for transportation to the chemical laboratory.

Sampling Containers

Containers used to store soil samples are selected dependant on the required analysis. The testing laboratory will be consulted should there be any doubt as to the correct sampling container. Typically, a minimum of 1nr 1kg plastic tub, 1nr 500g plastic tub, 1nr 250g amber glass jar and 2nr glass vials are taken at each sample depth. Samples held on site awaiting same day courier collection are stored at 4°C in a cool box. Only in circumstances where same day collection cannot be arranged are samples held overnight, and in this event all samples are refrigerated at 4 °C either on site (if a refrigerator is available) or at CC GEOTECHNICAL soil laboratory. Courier collection is then arranged for immediate pick up the following day.

Chain of Custody records

A Chain of Custody Record (CoC) is to be sent with each batch of samples submitted to the testing laboratory. A copy of the CoC will be made available for inspection by the client, their agents, or any requesting regulatory authority.

HEADSPACE ANALYSES

Duplicate subsamples of all soil samples selected for laboratory analysis may be taken for headspace analyses.

Headspace analysis is undertaken using a MiniRae 2000 Photo Ionisation Detector (PID). In the test method, an amber glass jar is half filled with soil, and the lid is sealed with aluminium foil secured by an elastic band. The jar and contents are agitated for 30 seconds and left for a minimum of 30 minutes out of direct sunlight for the headspace to achieve equilibrium. The PID then pierces the seal and the maximum reading is recorded. Prevailing weather conditions and ambient air temperature are also recorded.

The PID headspace results are recorded on the exploratory borehole or trial pit logs.

PID headspace data is then used to inform the chemical testing schedule for volatile organic compounds analyses.

SAMPLING OF GROUNDWATER FOR CHEMICAL ANALYSIS

Groundwater is sampled from standpipes or piezometers installed during borehole drilling. On completion of the construction of the standpipe, the installation is initially developed by removing up to 10 x the internal volume of the

installation. The volume of water purged is recorded. The installation is then typically left for a week for hydraulic equilibrium to be restored.

Prior to sampling the standpipe, the depth to the water table, and the depth to the base of the installation are monitored using an electronic dipmeter. In circumstances where free phase product is suspected to be present, then an 'Interface Meter' is used to determine the free phase film thickness.

A minimum of 3 x the installation volume is then removed. The pH of the water is then monitored and the sample is taken when the change in pH between any two consecutive extracts is less than 10%. The volume of water removed is recorded.

A sample comprises of a minimum of 3 litres. Two litres are taken in amber glass bottles, and one litre in a plastic bottle.

To avoid cross-contamination one bailer is used per position.

The samples are uniquely labelled with Project Name / Project No / Borehole No / Depth / Date Sampled. They are placed in a cool box chilled by ice packs, and the containers are sealed for transportation to the laboratory.

Once the samples are received in the **CC GEOTECHNICAL LTD** laboratory, the samples are stored in a refrigerator and returned to the cool boxes once collected.

Water taken from the installations are taken back to the **CC GEOTECHNICAL LTD** laboratory and disposed.

Other data recorded in the sampling comprises:

- Volume of water removed during development of well
- Volume of water removed during purging of the well
- Results of on-site pH analyses
- Sample appearance – colour, suspended solids

MONITORING OF GAS

Prior to embarking on a gas-monitoring round, all equipment is checked for functionality and the calibration status is confirmed.

At the commencement of the monitoring round, the prevailing weather conditions, air temperature, barometric pressure and direction of movement of barometric pressure are recorded.

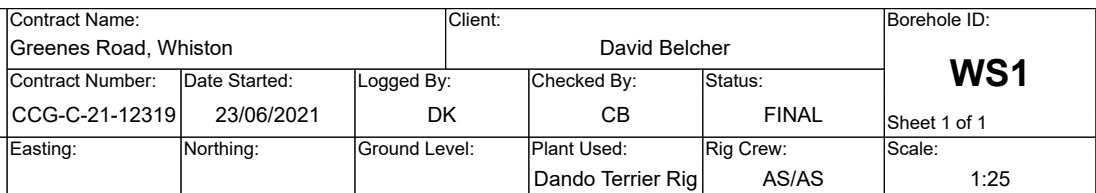
The flow meter is first attached to the standpipe valve, and the flow rate is measured (peak and steady flow) for 1 minute. The results are recorded in l.hr^{-1} . The flow meter tube is protected from the effects of wind by aligning the exhaust downwind.

Following measurement of borehole flow rate, the installation is left for a minimum of 10 minutes for the headspace to restore equilibrium.

Once the gas in the installation has regained equilibrium, the gas analyser is connected and monitoring commences. The peak and steady state readings for CH_4 , CO_2 , CO , H_2S and CO are recorded. The steady state is monitored for a minimum of one minute, and possibly up to a maximum of 10 minutes where fluctuations continue.

When the monitoring is complete, the depth to the water table, and the depth to the base of the well are monitored using an electronic dipmeter. In circumstances where free phase product is suspected to be present, then an 'Interface Meter' is used to determine the free phase film thickness.

APPENDIX D: BOREHOLE LOGS

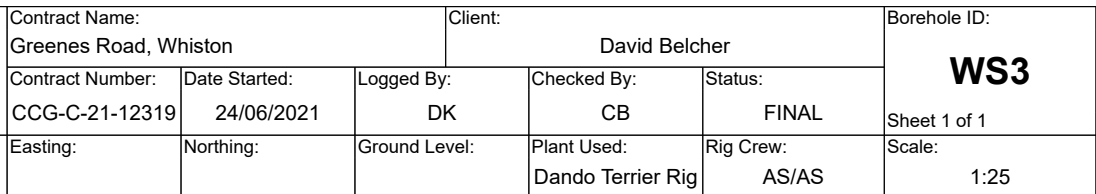


Samples & In Situ Testing	Strata Details	Groundwater
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Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description		Water Strike	Backfill/ Installation
0.00 - 1.00	U			0.15		TARMAC			
				0.30		SUB-BASE			
0.55	ES			(0.90)		Dark brown slightly gravelly clayey SAND. Gravel is fine to coarse angular to sub-angular brick glass ceramic cinders and mudstone (MADE GROUND)			
1.00 - 2.00	U	SPT(S)N=6 (1,1/1,2,2,1)		1.20		Soft becoming stiff brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium sub-angular mudstone and coal	1		
		HVP=80							
		HVP=80							
2.00 - 3.00	U	SPT(S)N=21 (4,4/4,5,6,6)		(2.80)			2		
3.00 - 4.00	U	SPT(S)N=31 (5,6/6,7,8,10)					3		
4.00 - 5.00	U	SPT(S)N=46 (9,9/9,10,12,15)		4.00		Grey weathered MUDSTONE recovered as dense sands and gravel	4		
				(1.00)					
				5.00		End of Borehole at 5.00m	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)	1.5 hours hand excavating 1.20mbgl service avoidance pit					
Chiselling					Installation				Water Strikes					
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
					0.00	0.50	PLAIN	50						
					0.50	4.00	SLOTTED	50						
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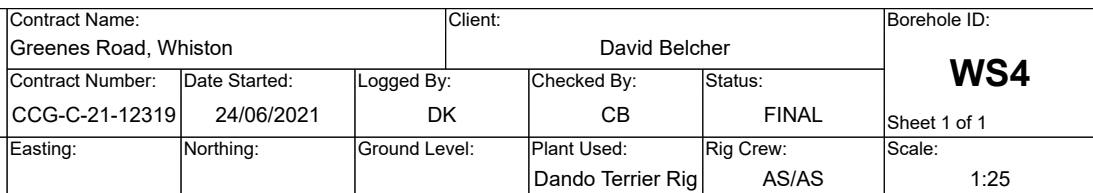
	Contract Name: Greenes Road, Whiston				Client: David Belcher			Borehole ID: WS2		
	Contract Number: CCG-C-21-12319		Date Started: 24/06/2021		Logged By: DK		Checked By: CB		Status: FINAL	
	Easting:		Northing:		Ground Level:		Plant Used: Dando Terrier Rig		Rig Crew: AS/AS	
Dynamic Sampling Borehole Log								Scale: 1:25		
Weather:				Termination:				SPT Hammer: N/R, Energy Ratio: N/R		
Samples & In Situ Testing				Strata Details					Groundwater	
Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description			Water Strike	Backfill/ Installation
0.00 - 1.00	U			0.15		TARMAC				
				0.40		Light grey slightly silty cobbly sands and gravel. Gravel is fine to coarse angular to subround of brick and concrete (MADE GROUND)				
0.50	ES	HVP=70								
						Soft greyish brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to coarse angular to subround of various lithologies				
										
1.00 - 2.00	U	HVP=80 HVP=80 SPT(S)N=8 (1,2/2,2,2)		(1.20)					1	
						Grey weathered MUDSTONE recovered as dense sands and gravel				
2.00 - 3.00	U	SPT(S)N=18 (2,4/5,4,4,5)		1.60						
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										
										



Samples & In Situ Testing	Strata Details	Groundwater
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[illegible]

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)	1.5 hours hand excavating 1.20mbgl service avoidance pit					
Chiselling					Installation				Water Strikes					
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
					0.00	0.50	PLAIN	50	2.50			0		Monitored SWL
					0.50	3.50	SLOTTED	50						05/07/21
CC GEOTECHNICAL LTD 0151 545 2750 www.ccgeotechnical.com														

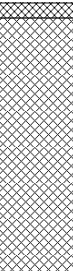


Samples & In Situ Testing	Strata Details	Groundwater
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[illegible]

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)	
									1 hour hand excavating 1.20mbgl service avoidance pit Water Strikes Strike (m) Casing (m) Sealed (m) Time (mins) Rose to (m) Remarks CC GEOTECHNICAL LTD 0151 545 2750 www.ccgeotechnical.com
Chiselling					Installation				
From (m)	To (m)	Duration	Remarks		Top (m)	Base (m)	Type	Dia (mm)	

	Contract Name: Greenes Road, Whiston				Client: David Belcher			Borehole ID: WS5		
	Contract Number: CCG-C-21-12319		Date Started: 25/06/2021		Logged By: DK		Checked By: CB		Status: FINAL	
	Easting:		Northing:		Ground Level:		Plant Used: Dando Terrier Rig		Rig Crew: AS/AS/	
Dynamic Sampling Borehole Log								Scale: 1:25		
Weather:				Termination:				SPT Hammer: N/R, Energy Ratio: N/R		
Samples & In Situ Testing				Strata Details					Groundwater	
Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description			Water Strike	Backfill/Installation
0.00 - 1.00	U			0.05		TARMAC				
0.40	ES			(0.45)		Dark brown very clayey gravelly SAND. Gravel is fine to medium sub-angular brick, coal and limestone (MADE GROUND)				
		HVP=100		0.50		Stiff light brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium angular to subround of various lithologies				
		HVP=100		(0.50)						
1.00 - 1.30	U			1.00		very dense light brown very sandy silty GRAVEL. Gravel is fine to medium angular to sub-angular sandstone			1	
		SPT(S)50 (1,3/50 for 220mm)		(0.30)						
				1.30		Grey weathered MUDSTONE recovered as very dense sands and gravel				
				1.45		End of Borehole at 1.45m				
									2	
									3	
									4	
									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)	1 hour hand excavating 1.20mbgl service avoidance pit	
Chiselling					Installation				Water Strikes	
From (m)	To (m)	Duration	Remarks	Top (m)	Base (m)	Type	Dia (mm)	Strike (m)	Casing (m)	Sealed (m)
				0.00	0.40	PLAIN	50	0.90		
				0.40	1.30	SLOTTED	50			
								Time (mins)	Rose to (m)	Remarks
								0		Monitored SWL 05/07/21
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	Contract Name: Greenes Road, Whiston				Client: David Belcher			Borehole ID: WS6		
	Contract Number: CCG-C-21-12319		Date Started: 25/06/2021		Logged By: DK		Checked By: CB		Status: FINAL	
	Easting:		Northing:		Ground Level:		Plant Used: Dando Terrier Rig		Rig Crew: AS/AS/	
Dynamic Sampling Borehole Log								Scale: 1:25		
Weather:				Termination:				SPT Hammer: N/R, Energy Ratio: N/R		
Samples & In Situ Testing				Strata Details					Groundwater	
Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description			Water Strike	Backfill/Installation
0.00 - 1.00	U	HVP=50 SPT(S)N=23 (1,0/0,3,9,11) SPT(S)50 (25 for 65mm/50 for 50mm)		0.05		TARMAC			1	
0.50	ES		(0.85)	Dark brown very gravelly silty SAND. Gravel is fine to coarse angular to sub-angular coal, cinders, brick, concrete and sandstone (MADE GROUND)						
1.00 - 2.00	U		0.90	Stiff brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium angular to sub-angular of various lithologies						
			(0.50)							
			1.40	Medium dense light brown very clayey gravelly fine to medium grained SAND. Gravel is fine to medium sub-angular sandstone						
				(0.60)						
				2.00		Grey weathered MUDSTONE recovered as very dense gravelly sand			2	
				2.20		End of Borehole at 2.20m				
									3	
									4	
									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)	1 hour hand excavating 1.20mbgl service avoidance pit	
Chiselling					Installation				Water Strikes	
From (m)	To (m)	Duration	Remarks	Top (m)	Base (m)	Type	Dia (mm)	Strike (m)	Casing (m)	Sealed (m)
CC GEOTECHNICAL LTD 0151 545 2750 www.ccgeotechnical.com										

	Contract Name: Greenes Road, Whiston			Client: David Belcher			Borehole ID: WS7		
	Contract Number: CCG-C-21-12319	Date Started: 25/06/2021	Logged By: DK	Checked By: CB	Status: FINAL	Sheet 1 of 1			
	Dynamic Sampling Borehole Log		Easting:	Northing:	Ground Level:	Plant Used: Dando Terrier Rig	Rig Crew: AS/AS	Scale: 1:25	
Weather:			Termination:			SPT Hammer: N/R, Energy Ratio: N/R			
Samples & In Situ Testing				Strata Details				Groundwater	
Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description	Water Strike	Backfill/Installation	
0.00 - 1.00	U			0.10		TOPSOIL			
0.45	ES			(0.40)		Dark brown very gravelly silty SAND. Gravel is fine to medium sub-angular brick, concrete, cinders and sandstone (MADE GROUND)			
		HVP=90		0.50		Stiff light brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium sub-angular sandstone			
		HVP=100		(0.70)					
1.00 - 1.30	U			1.20		Dense light brown very gravelly slightly silty fine to medium grained SAND. Gravel is fine to medium sub-angular sandstone	1		
		HVP=60		1.30					
		SPT(S)50 (2,13/50 for 125mm)		1.45		Grey weathered MUDSTONE recovered as dense gravelly sand			
						End of Borehole at 1.45m			
							2		
							3		
							4		
							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)	1 hour hand excavating 1.20mbgl service avoidance pit
Chiselling					Installation				Water Strikes
From (m)	To (m)	Duration	Remarks	Top (m)	Base (m)	Type	Dia (mm)	Strike (m)	Casing (m)
								Sealed (m)	Time (mins)
								Rose to (m)	Remarks
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APPENDIX E: GAS – GROUNDWATER MONITORING RESULTS

GAS AND WATER MONITORING RESULTS



	Date:	05-Jul-21	19-Jul-21	03-Aug-21	16-Aug-21								
	Visit Number	1	2	3	4								
	Atmos Press mb	996	1023	1014	1005								
	Pressure Trend	Steady	Steady	Steady	Steady								
	Air Temp °C	15	19	17	15								
	Cloud cover	Overcast	Clear	Partial cloud	Overcast								
	Wind velocity	Light breeze	Light breeze	Light breeze	Windy								
	Precipitation	Rain	Dry	Dry	Dry								
WS1	State of Ground	Wet	Dry	Dry	Dry								
	CH ₄ (%):	Nil	Nil	Nil	Nil								
	CO ₂ (%):	1.1	1.4	1.3	1.3								
	O ₂ (%):	16.0	16.4	16.5	16.3								
	H ₂ S (ppm):	Nil	Nil	Nil	Nil								
	CO (ppm):	Nil	Nil	Nil	Nil								
	PID (ppm):	0.0	0.00	0.00	0.00								
	Flow (l/hr):	<0.1	<0.1	<0.1	<0.1								
WS3	Water Level (mbgl):	Dry	Dry	Dry	Dry								
	CH ₄ (%):	Nil	Nil	Nil	Nil								
	CO ₂ (%):	<0.1	<0.1	<0.1	<0.1								
	O ₂ (%):	19.8	20.1	20.1	20.4								
	H ₂ S (ppm):	Nil	Nil	Nil	Nil								
	CO (ppm):	Nil	Nil	Nil	Nil								
	PID (ppm):	0.0	0.00	0.00	0.00								
	Flow (l/hr):	<0.1	<0.1	<0.1	<0.1								
WS5	Water Level (mbgl):	2.25	2.28	2.30	2.51								
	CH ₄ (%):	Nil	Nil	Nil	Nil								
	CO ₂ (%):	0.4	0.6	0.4	0.5								
	O ₂ (%):	20.0	20.1	20.1	20.5								
	H ₂ S (ppm):	Nil	Nil	Nil	Nil								
	CO (ppm):	Nil	Nil	Nil	Nil								
	PID (ppm):	0.0	0.00	0.00	0.0								
	Flow (l/hr):	<0.1	<0.1	<0.1	<0.1								
	Water Level (mbgl):	1.10	1.20	Dry	Dry								

CCG-CMS-FO-129

Issue 2

Job No: CCG-C-21-12319

Site: Greenes Road, Whiston

Instrument:

GFM436

TEST DATE AND CONDITIONS			
Date		09/03/2021	
Atmospheric Pressure		1001	mB
Ambient Temperature		22.3	°C
EnviroNics Serial No.		5089	

**GFM436 Final Inspection & Calibration
Check Certificate**

GAS DATA LTD

Unit 4, Fairfield Court

Seven Stars Estate

Wheler Rd

Coventry

CV3 4LJ

Tel 02476303311

Fax 02476307711



Customer	C C Geotechnical
Certificate Number	122336
Order Number	327973

Serial Number	12667
Software Version	G436-00.0027/0010

Recalibration DUE Date
09/03/22

Instrument Checks					
Keyboard	✓		Display Contrast	✓	
Pump Flow In	450	Accept > 200 cc/min	Pump Flow @ -200mB	300	Accept > 200 cc/min
Clock Set / Running	✓		Labels Fitted	✓	

Gas Checks						
Sensor	CH ₄		CO ₂		O ₂	
	Instrument Gas	True Gas Value %	Instrument Gas	True Gas Value %	Instrument Gas	True Gas Value %
	Readings %		Readings %		Readings %	
	59.7	60	40	40	20.9	20.9
	Accept ±3.0		Accept ±3.0		Accept ±0.5	
	5	5	4.9	5	6	6
	Accept ±0.3		Accept ±0.3		Accept ±0.3	
Zero Reading 100% N2	0	0	0	0	0	0
	Accept ±0.0		Accept ±0.0		Accept ±0.1	

Optional Gas Checks						
Applied Gas & Range		Concentration Tested @ (ppm)	Instrument Readings (ppm)			
Gas Type	Range (ppm)		Zero Reading		Instrument Gas Reading	
H2S	5000	1500	0	Accept ±0.0	1500	Accept ±5.0
CO	2000	1000	0	Accept ±0.0	999	Accept ±5.0
Hexane	2.0%	2.0%	0	Accept ±0.0	1.99	Accept ±10.0

Cross Gas Effects									
Applied Gas (ppm)		Instrument Readings (ppm)							
Gas Type	Concentration	Toxic 1:	H2S	Toxic 2:	CO	Toxic 3:			
H2S	1500	1500		0		0			
CO	1000	40		999		0			
Hexane	2.0%	0		0		1.99			

Pressure Checks			
Atmospheric Pressure [AP] (mB)			
Current Atmospheric Pressure (mB)		Instrument Atmospheric Pressure Reading (mB)	
AP Open Ports		1001	Accept ± 2.0
AP Port (Internal)	+800 mB	800	Accept ± 5.0
	+1200mB	1200	Accept ± 5.0

Flow Checks					
Borehole Flow			Differential Pressure		
Applied Reading (l/h)	Instrument Reading (l/h)		Applied Pressure (Pa)	Instrument Reading (Pa)	
-30	-30	Accept ± 3.0	-476	-484	Accept ± 50
-3	-3	Accept ± 1.0	-17	-17	Accept ± 6.0
0	0	Accept ± 0.0	0	0	Accept ± 0.5
3	3	Accept ± 0.5	13	12	Accept ± 3.0
30	29.7	Accept ± 3.0	314	312	Accept ± 50
60	59.5	Accept ± 6.0	962	953	Accept ± 130
90	90.6	Accept ± 9.0	1915	1951	Accept ± 250

Temperature Checks		
Calibration Temperature	Instrument Temperature Reading $^{\circ}\text{C}$	
Applied Temperature $^{\circ}\text{C}$		
-10	-10	Accept ± 2.0
0	0	Accept ± 1.0
30	30	Accept ± 1.0
60	60	Accept ± 1.0
100	100	Accept ± 1.0

Technician:	Date Tested:
Les Treece	10/03/2021

The instrument identified by the serial number stated above has been tested by Gas Data personnel for calibration accuracy on the date and under the ambient conditions stated. Gas Data Ltd internal BS EN ISO9001:2015 compliant workshop procedures were followed to apply known calibration test gases, gas flow rates, pressures and temperatures of the values stated. The results displayed on the instrument at each stage are recorded above.



Life-saving solutions

CERTIFICATE OF CALIBRATION

Phocheck Tiger

CALIBRATION CERTIFICATE NO: 71067

ISSUED BY: SHAWCITY LIMITED
DATE: 01-Jun-21
APPROVED SIGNATORY: 
NAME: Dave Godfrey
CUSTOMER: CC Geotechnical Ltd
INSTRUMENT: PhoCheck Tiger
SERIAL NUMBER: T-110194
CALIBRATION METHOD: CM03
AMBIENT CONDITIONS: 20°C ± 2°C and 50% (± 20%) RH

Prior to calibration the instrument was allowed to stabilise in the laboratory for at least 30 minutes.
The instrument was calibrated by exposing the sensor to known values of gas concentrations.
All gases were sampled through the complete probe and in line filter, where applicable.
The reference value is that generated by the certified source and the indicated value is that measured by the instrument.

CALIBRATION RESULTS

GAS	LOT No	REF. VALUE	INDICATED VALUE
Isobutylene	WO297301-1	100 ppm	100 ppm
Isobutylene	WO188023-1	5000 ppm	5000 ppm

COMMENTS:

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$.
This provides a level of confidence of uncertainty of approximately 95%.
The uncertainty of measurement is $\pm 2\%$
The results indicate that the instrument conforms to the applicable parts of the published specification.

HEALTH & SAFETY, OCCUPATIONAL HYGIENE AND ENVIRONMENTAL MONITORING INSTRUMENTS

Tel: 01793 780622
www.shawcity.co.uk

Instrument House, 91-92 Shrivenham Hundred Business Park
Watchfield, Oxfordshire, SN6 8TY

Fax: 01793 784466
service@shawcity.co.uk

PARTS REQUIRED FOR JOB NUMBER: 71067

DESCRIPTION	PART NO.	QTY	Serial No.	LOC
10.6 Lamp	LA4TM600			S4H B1
Lamp Stack	A-846267	1	070614	S4H B3
PTFE Filter Disk	A-861632	1		S4H B2
Probe O-Ring	5/OV-02			S4H B4
Sensor seal	A-861214	1		S4H B1
Probe	880207			S4E B1
Probe Kit	A-880210			S4H B4
Filter Clamp (black)	880201			S4E B1
Probe Seal	880202			S4E B5
Filter Clamp (clear)	861219			S4H B6
Pump	A-861298			S4F B2
Manifold	861213			S4E B6
Outlet Barbs	5/JHS-03			S4E B6
Nozzle O-Ring	5/OV-04			S4H B2
Probe pipe	A-861286a			S4G B5
Tubing Inv Cone	5/JO-01			S4D B1
Tiger Battery	A-861240			S4G B1
Inlet Outlet Seal	861215	2		S4H B5
Display	1/OM-05			S4E B3
Battery Charging Cradle/Dock	A-861220			S4F B2
Charger Lead	1/VS-22			S4F B3
Fuse FU100/101/103/105/106	1/FB-10			S4G B3
FU1 fuse	1/FB-12			S3A B1
Standard Top Housing	A-861551			service
LT Top Housing	A-880218			
Charging Dock Magnet	2/AP-08			S4C B2
Bottom Housing	861203-2			S4F B4
Pneumatics Kit	A-861509			S4F B3
Tiger Battery	A-861240			S4G B1
Sensor PCB	A-861103			S4E B5
Orange stack for Tiger LT	A-846496	1		S4C B1
PAT Test	PAT 1	1		
Mainboard Assembly	A-861120			



Life-saving solutions

Instrument House
91-92 Shrivenham Hundred Business Park
Watchfield
Oxfordshire
SN6 8TY
Fax: 01793 784466
service@shawcity.co.uk

SERVICE / INSPECTION SHEET

JOB NUMBER: 71067
INSTRUMENT: Phocheck Tiger

SERIAL NUMBER: T-110194
DATE RECEIVED: 28/05/2021

FIRMWARE: 5.12

CUSTOMER: CC Geotechnical Ltd

[illegible]

TESTS	Pre Service	Post Service
Charger Test		Ok
Battery charge Test		Ok
Lamp Test		Ok
Air Flow Test ≥ 220ml/min		274ml/min
Block Flow Test ≤ 15ml/min		10 ml/min
Moisture Sensitivity = 0.0ppm		0.0 ppm
Switch Test		Ok
Sensor Test		Ok
Alarm Test		Ok
PC Comms Test		Ok
Datalog Test		Ok
Display Test		Ok
Physical Inspection		Ok
PAT Test		Ok
Firmware Upgrade	n/a	
Software Upgrade (usb)	n/a	
Function Test		Ok
Run time	20hr49	

Comments:

Real Time Clock set
Replaced sensor stack and seal, PTFE filter and inlet/outlet seals as per annual maintenance
Replaced lamp as per biennial scheduled service.
Flow rate measured at 274 ml/min
Instrument calibrated and bump tested
Moisture sensitivity 0.0 ppm
Datalogging and pc transfer tested
Power supply output 11.95Vdc. PAT tested and labelled
Charger cradle output 5.52Vdc.o/cct

Please note: Zero at Power on is set to OFF, as received.

TECHNICIAN: Dave Godfrey

DATE: 01/06/2021

APPENDIX F: SOIL CONTAMINATION RESULTS



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618

cs@elab-uk.co.uk
info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-34498

Issue: 1

Date of Issue: 02/07/2021

Contact: Tony Gerrard

Customer Details: CC Geotechnical Ltd
Unit 1 & 2 Deltic Place
Deltic Way
Liverpool
Merseyside L33 7BA

Quotation No: Q14-00045

Order No: Not Supplied

Customer Reference: CCG-C-21-12319

Date Received: 25/06/2021

Date Approved: 02/07/2021

Details: Greenes Road, Whiston

Approved by: 

Mike Varley, Technical Manager

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Sample Summary

Report No.: 21-34498, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
242037	WS1 0.55	23/06/2021	25/06/2021	Sandy silty loam	



Results Summary

2683

Report No.: 21-34498, issue number 1

ELAB Reference	242037
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS1
Sample Depth (m)	0.55
Sampling Date	23/06/2021

Determinand	Codes	Units	LOD	
Soil sample preparation parameters				
Material removed	N	%	0.1	36.5
Description of Inert material removed	N		0	Stones,clinker
Metals				
Arsenic	M	mg/kg	1	72.1
Cadmium	M	mg/kg	0.5	1.6
Chromium	M	mg/kg	5	32.2
Copper	M	mg/kg	5	960
Lead	M	mg/kg	5	388
Mercury	M	mg/kg	0.5	< 0.5
Nickel	M	mg/kg	5	88.3
Selenium	M	mg/kg	1	1.3
Zinc	M	mg/kg	5	1250
Anions				
Water Soluble Sulphate	M	g/l	0.02	0.06
Inorganics				
Free Cyanide	N	mg/kg	1	< 1.0
Hexavalent Chromium	N	mg/kg	0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2
Acid Soluble Sulphate (SO ₄)	U	%	0.02	0.19
Water Soluble Boron	N	mg/kg	0.5	< 0.5
Miscellaneous				
pH	M	pH units	0.1	8.0
Soil Organic Matter	U	%	0.1	5.0
Polyaromatic hydrocarbons				
Naphthalene	M	mg/kg	0.1	0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	0.6
Anthracene	M	mg/kg	0.1	0.6
Fluoranthene	M	mg/kg	0.1	1.8
Pyrene	M	mg/kg	0.1	1.9
Benzo(a)anthracene	M	mg/kg	0.1	1.5
Chrysene	M	mg/kg	0.1	1.6
Benzo(b)fluoranthene	M	mg/kg	0.1	1.8
Benzo(k)fluoranthene	M	mg/kg	0.1	2.0
Benzo(a)pyrene	M	mg/kg	0.1	1.9
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	1.7
Dibenzo(a,h)anthracene	M	mg/kg	0.1	0.5
Benzo[g,h,i]perylene	M	mg/kg	0.1	1.6
Total PAH(16)	M	mg/kg	0.4	17.6



Results Summary

2683

Report No.: 21-34498, issue number 1

ELAB Reference	242037
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS1
Sample Depth (m)	0.55
Sampling Date	23/06/2021

Determinand	Codes	Units	LOD	
BTEX				
Benzene	M	ug/kg	10	< 10.0
Toluene	M	ug/kg	10	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0
Xylenes	M	ug/kg	10	< 10.0
TPH CWG				
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	9.0
>C35-C40 Aromatic	N	mg/kg	1	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	9.0



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY
Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 21-34498, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
242037	0.55	WS1	Brown sandy soil, clinker, stones	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 21-34498, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Free cyanide	N	As submitted sample	30/06/2021	107	Colorimetry
Sulphide	N	As submitted sample	30/06/2021	109	Colorimetry
Hexavalent chromium	N	As submitted sample	29/06/2021	110	Colorimetry
pH	M	Air dried sample	02/07/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	01/07/2021	115	Ion Chromatography
PAH (GC-FID)	M	As submitted sample	29/06/2021	133	GC-FID
Water soluble anions	M	Air dried sample	29/06/2021	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	30/06/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	30/06/2021	181	GC-MS
BTEX in solids	M	As submitted sample	30/06/2021	181A	GC-MS
Water soluble boron	N	Air dried sample	29/06/2021	202	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	29/06/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	30/06/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	29/06/2021	214	GC-FID
Asbestos identification	U	Air dried sample	01/07/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	29/06/2021	300	ICPMS
Soil organic matter	U	Air dried sample	01/07/2021	BS1377:P3	Titrimetry

Tests marked N are not UKAS accredited

Report Information

Report No.: 21-34498, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

LOD LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.
Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.
ELAB are unable to provide an interpretation or opinion on the content of this report.
The results relate only to the sample received.
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request
Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

-
- | | |
|---|--|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618

cs@elab-uk.co.uk
info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-34531

Issue: 1

Date of Issue: 05/07/2021

Contact: Tony Gerrard

Customer Details: CC Geotechnical Ltd
Unit 1 & 2 Deltic Place
Deltic Way
Liverpool
Merseyside L33 7BA

Quotation No: Q14-00045

Order No: Not Supplied

Customer Reference: CCG-C-21-12319

Date Received: 28/06/2021

Date Approved: 05/07/2021

Details: Greenes Road, Whiston

Approved by: 

Mike Varley, Technical Manager

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Sample Summary

Report No.: 21-34531, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
242217	WS2 0.50	24/06/2021	28/06/2021	Silty loam	
242218	WS3 0.65	24/06/2021	28/06/2021	Loamy sand	
242219	WS4 0.50	24/06/2021	28/06/2021	Loamy sand	
242220	WS5 0.40	24/06/2021	28/06/2021	Silty loam	
242221	WS6 0.50	24/06/2021	28/06/2021	Silty loam	
242222	WS7 0.45	24/06/2021	28/06/2021	Silty loam	

Results Summary

Report No.: 21-34531, issue number 1

ELAB Reference				242217	242218	242219	242220
Customer Reference							
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				WS2	WS3	WS4	WS5
Sample Depth (m)				0.50	0.65	0.50	0.40
Sampling Date				24/06/2021	24/06/2021	24/06/2021	24/06/2021
Determinand	Codes	Units	LOD				
Soil sample preparation parameters							
Material removed	N	%	0.1	24.7	50.0	36.3	< 0.1
Description of Inert material removed	N		0	Stones,clinker	Stones,brick,clinker	Stones	None
Metals							
Arsenic	M	mg/kg	1	38.5	18.5	7.7	16.6
Cadmium	M	mg/kg	0.5	0.5	0.6	< 0.5	1.5
Chromium	M	mg/kg	5	43.7	28.1	37.4	23.8
Copper	M	mg/kg	5	333	78.6	32.5	77.5
Lead	M	mg/kg	5	203	128	43.7	98.3
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	52.8	29.4	27.6	19.0
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Zinc	M	mg/kg	5	349	172	131	169
Anions							
Water Soluble Sulphate	M	g/l	0.02	0.05	0.08	0.11	0.03
Inorganics							
Free Cyanide	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2	< 2	< 2	< 2
Acid Soluble Sulphate (SO4)	U	%	0.02	0.08	0.07	0.07	0.04
Water Soluble Boron	N	mg/kg	0.5	0.9	< 0.5	0.6	1.7
Miscellaneous							
pH	M	pH units	0.1	7.7	8.6	9.3	7.5
Soil Organic Matter	U	%	0.1	5.8	3.6	2.5	3.6
Polyaromatic hydrocarbons							
Naphthalene	M	mg/kg	0.1	0.1	< 0.1	< 0.1	0.2
Acenaphthylene	M	mg/kg	0.1	0.3	< 0.1	< 0.1	0.2
Acenaphthene	M	mg/kg	0.1	0.1	< 0.1	< 0.1	0.2
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	0.9	0.4	0.1	1.4
Anthracene	M	mg/kg	0.1	0.5	0.1	< 0.1	0.6
Fluoranthene	M	mg/kg	0.1	4.8	1.7	0.2	3.0
Pyrene	M	mg/kg	0.1	4.8	1.6	0.2	3.7
Benzo(a)anthracene	M	mg/kg	0.1	4.0	0.9	0.1	1.8
Chrysene	M	mg/kg	0.1	4.0	1.1	0.2	3.1
Benzo(b)fluoranthene	M	mg/kg	0.1	4.1	1.1	0.1	3.8
Benzo(k)fluoranthene	M	mg/kg	0.1	5.5	1.4	0.3	3.6
Benzo(a)pyrene	M	mg/kg	0.1	4.3	1.1	0.1	2.3
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	3.6	1.3	0.2	3.9
Dibenzo(a,h)anthracene	M	mg/kg	0.1	1.1	0.5	0.1	1.6
Benzo[g,h,i]perylene	M	mg/kg	0.1	3.1	0.8	0.3	11.8
Total PAH(16)	M	mg/kg	0.4	41.1	12.1	2.0	41.2



Results Summary

2683

Report No.: 21-34531, issue number 1

ELAB Reference				242217	242218	242219	242220
Customer Reference							
Sample ID							
Sample Type				SOIL	SOIL	SOIL	SOIL
Sample Location				WS2	WS3	WS4	WS5
Sample Depth (m)				0.50	0.65	0.50	0.40
Sampling Date				24/06/2021	24/06/2021	24/06/2021	24/06/2021
Determinand	Codes	Units	LOD				
BTEX							
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
TPH CWG							
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	8.3	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0	10.6	< 1.0	5.2
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0	26.5	5.7	96.3
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0	5.3	1.9	39.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0	13.3	1.1	4.8
>C21-C35 Aromatic	N	mg/kg	1	6.0	46.6	12.8	80.5
>C35-C40 Aromatic	N	mg/kg	1	< 1.0	11.5	4.6	23.7
Total (>C5-C40) Ali/Aro	N	mg/kg	1	6.0	122	26.2	250



Results Summary

2683

Report No.: 21-34531, issue number 1

ELAB Reference	242221	242222
Customer Reference		
Sample ID		
Sample Type	SOIL	SOIL
Sample Location	WS6	WS7
Sample Depth (m)	0.50	0.45
Sampling Date	24/06/2021	24/06/2021

Determinand	Codes	Units	LOD		
Soil sample preparation parameters					
Material removed	N	%	0.1	< 0.1	< 0.1
Description of Inert material removed	N		0	None	None
Metals					
Arsenic	M	mg/kg	1	33.0	37.7
Cadmium	M	mg/kg	0.5	3.2	1.5
Chromium	M	mg/kg	5	24.6	24.9
Copper	M	mg/kg	5	169	980
Lead	M	mg/kg	5	328	313
Mercury	M	mg/kg	0.5	0.7	0.6
Nickel	M	mg/kg	5	38.0	39.3
Selenium	M	mg/kg	1	1.1	< 1.0
Zinc	M	mg/kg	5	1150	921
Anions					
Water Soluble Sulphate	M	g/l	0.02	< 0.02	< 0.02
Inorganics					
Free Cyanide	N	mg/kg	1	< 1.0	< 1.0
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2	< 2
Acid Soluble Sulphate (SO ₄)	U	%	0.02	0.07	0.06
Water Soluble Boron	N	mg/kg	0.5	1.6	0.8
Miscellaneous					
pH	M	pH units	0.1	7.3	7.3
Soil Organic Matter	U	%	0.1	7.2	6.7
Polyaromatic hydrocarbons					
Naphthalene	M	mg/kg	0.1	0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	0.4	0.1
Anthracene	M	mg/kg	0.1	0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	0.7	0.3
Pyrene	M	mg/kg	0.1	0.7	0.3
Benzo(a)anthracene	M	mg/kg	0.1	0.4	0.4
Chrysene	M	mg/kg	0.1	0.4	0.4
Benzo(b)fluoranthene	M	mg/kg	0.1	0.4	0.5
Benzo(k)fluoranthene	M	mg/kg	0.1	0.7	0.7
Benzo(a)pyrene	M	mg/kg	0.1	0.5	0.5
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	0.6	0.3
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	0.4	0.4
Total PAH(16)	M	mg/kg	0.4	5.7	3.9

Results Summary

2683

Report No.: 21-34531, issue number 1

ELAB Reference	242221	242222
Customer Reference		
Sample ID		
Sample Type	SOIL	SOIL
Sample Location	WS6	WS7
Sample Depth (m)	0.50	0.45
Sampling Date	24/06/2021	24/06/2021

Determinand	Codes	Units	LOD		
BTEX					
Benzene	M	ug/kg	10	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0
TPH CWG					
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	3.6	1.1
>C35-C40 Aliphatic	N	mg/kg	1	2.2	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	7.3	6.5
>C35-C40 Aromatic	N	mg/kg	1	< 1.0	1.6
Total (>C5-C40) Ali/Aro	N	mg/kg	1	13.1	8.1



Results Summary

2683

Report No.: 21-34531, issue number 1

ELAB Reference	242217
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS2
Sample Depth (m)	0.50
Sampling Date	24/06/2021

Determinand	Codes	Units	LOD	
Metals				
Arsenic 10:1 extract	N	ug/l	5	6
Boron 10:1 extract	N	ug/l	5	7
Cadmium 10:1 extract	N	ug/l	1	< 1
Calcium 10:1 extract	N	ug/l	100	10300
Chromium 10:1 extract	N	ug/l	5	< 5
Copper 10:1 extract	N	ug/l	5	8
Lead 10:1 extract	N	ug/l	5	< 5
Magnesium 10:1 extract	N	ug/l	100	1900
Mercury 10:1 extract	N	ug/l	0.1	< 0.1
Nickel 10:1 extract	N	ug/l	5	< 5
Selenium 10:1 extract	N	ug/l	5	< 5
Zinc 10:1 extract	N	ug/l	5	10
Anions				
Sulphate 10:1 extract	N	mg/l	1	4
Inorganics				
Free Cyanide	N	ug/l	5	< 5
Sulphide 10:1 extract	N	mg/l	0.1	< 0.1
Miscellaneous				
Dissolved organic carbon	N	mg/l	1.5	26.6
pH (10:1 extract)	N	pH units	0.1	7.6
Hardness (CaCO ₃)	N	mg/l CaCO ₃	0.1	34
Polyaromatic hydrocarbons				
Naphthalene Leachate GCMS	N	ug/l	0.01	0.04
Acenaphthylene Leachate GCMS	N	ug/l	0.01	< 0.01
Acenaphthene Leachate GCMS	N	ug/l	0.01	0.02
Fluorene Leachate GCMS	N	ug/l	0.01	0.01
Phenanthrene Leachate GCMS	N	ug/l	0.01	0.05
Anthracene Leachate GCMS	N	ug/l	0.01	0.02
Fluoranthene Leachate GCMS	N	ug/l	0.01	0.05
Pyrene Leachate GCMS	N	ug/l	0.01	0.06
Benzo (a) anthracene Leachate GCMS	N	ug/l	0.01	0.02
Chrysene Leachate GCMS	N	ug/l	0.01	0.03
Benzo (b) fluoranthene Leachate GCMS	N	ug/l	0.01	0.04
Benzo (k) fluoranthene Leachate GCMS	N	ug/l	0.01	0.03
Benzo (a) pyrene Leachate GCMS	N	ug/l	0.01	0.02
Indeno (1,2,3-cd) pyrene Leachate GCMS	N	ug/l	0.01	0.02
Dibenzo(a,h)anthracene Leachate GCMS	N	ug/l	0.01	< 0.01
Benzo(ghi)perylene Leachate GCMS	N	ug/l	0.01	0.03
Total PAH(16) Leachate GCMS	N	ug/l	0.01	0.44



Results Summary

2683

Report No.: 21-34531, issue number 1

ELAB Reference	242217
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	WS2
Sample Depth (m)	0.50
Sampling Date	24/06/2021

Determinand	Codes	Units	LOD	
TPH CWG				
>C5-C6 Aliphatic in Leachate	N	ug/l	1	< 1.0
>C6-C8 Aliphatic in Leachate	N	ug/l	1	< 1.0
>C8-C10 Aliphatic Leachate	N	ug/l	5	20.7
>C10-C12 Aliphatic Leachate	N	ug/l	5	< 5.0
>C12-C16 Aliphatic Leachate	N	ug/l	5	< 5.0
>C16-C21 Aliphatic Leachate	N	ug/l	5	8.6
>C21-C35 Aliphatic Leachate	N	ug/l	5	508
>C35-C40 Aliphatic Leachate	N	ug/l	5	< 5.0
Total (>C5-C40) Aliphatic Leachate	N	ug/l	5	537
>C5-C7 Aromatic in Leachate	N	ug/l	1	< 1.0
>C7-C8 Aromatic in Leachate	N	ug/l	1	< 1.0
>C8-C10 Aromatic Leachate	N	ug/l	5	22.6
>C10-C12 Aromatic Leachate	N	ug/l	5	11.6
>C12-C16 Aromatic Leachate	N	ug/l	5	8.4
>C16-C21 Aromatic Leachate	N	ug/l	5	11.8
>C21-C35 Aromatic Leachate	N	ug/l	5	99.0
>C35-C40 Aromatic Leachate	N	ug/l	5	< 5.0
Total (>C5-C40) Aromatic Leachate	N	ug/l	5	154
Total (>C5-C40) Ali/Aro Leachate	N	ug/l	5	690



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY
Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 21-34531, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos	Gravimetric Analysis Total	Gravimetric Analysis by ACM Type	Free Fibre Analysis	Total Asbestos
242217	0.50	WS2	Brown Soil,Stones,Clinker,Concrete,Tar	No asbestos detected	n/t	n/t	n/t	n/t
242218	0.65	WS3	Brown Sandy	No asbestos detected	n/t	n/t	n/t	n/t
242219	0.50	WS4	Brown Sandy Soil,Stones,Tar,Concrete	No asbestos detected	n/t	n/t	n/t	n/t
242220	0.40	WS5	Brown Sandy Soil	No asbestos detected	n/t	n/t	n/t	n/t
242221	0.50	WS6	Brown Sandy Soil,Brick,Stones,Clinker	No asbestos detected	n/t	n/t	n/t	n/t
242222	0.45	WS7	Brown Sandy Soil	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 21-34531, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Aliphatic hydrocarbons in leachate	N		01/07/2021		GC-FID
Aliphatic/Aromatic hydrocarbons in leach	N		02/07/2021		GC-FID
Aromatic hydrocarbons in leachate	N		01/07/2021		GC-FID
Carbon in leachates	N		01/07/2021		IR
Leachate cyanide 10:1 extract	N		30/06/2021		Colorimetry
Leachate sulphide 10:1 extract	N		01/07/2021		Colorimetry
pH of leachates	N		30/06/2021		Electromeric
Free cyanide	N	As submitted sample	30/06/2021	107	Colorimetry
Sulphide	N	As submitted sample	30/06/2021	109	Colorimetry
Hexavalent chromium	N	As submitted sample	29/06/2021	110	Colorimetry
pH	M	Air dried sample	03/07/2021	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	01/07/2021	115	Ion Chromatography
PAH (GC-FID)	M	As submitted sample	29/06/2021	133	GC-FID
PAHs and/or PCBs in leachates	N		01/07/2021	135	GC-MS
Water soluble anions	M	Air dried sample	30/06/2021	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	01/07/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	01/07/2021	181	GC-MS
BTEX in solids	M	As submitted sample	01/07/2021	181A	GC-MS
Low range Aliphatic hydrocarbons leachat	N		02/07/2021	200	GC-MS
Low range Aromatic hydrocarbons leachate	N		02/07/2021	200	GC-MS
Water soluble boron	N	Air dried sample	30/06/2021	202	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	29/06/2021	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	01/07/2021	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	29/06/2021	214	GC-FID
Anions in leachates	N		30/06/2021	270	Ion Chromatography
Asbestos identification	U	Air dried sample	05/07/2021	280	Microscopy
Aqua regia extractable metals	M	Air dried sample	30/06/2021	300	ICPMS
Leachate metals 10:1 extract	N		30/06/2021	301	ICPMS
Soil organic matter	U	Air dried sample	02/07/2021	BS1377:P3	Titrimetry
Water					
Hardness in soil leachates	N		01/07/2021	APHA	ICPMS

Tests marked N are not UKAS accredited

Report Information

Report No.: 21-34531, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

LOD LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.
Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.
ELAB are unable to provide an interpretation or opinion on the content of this report.
The results relate only to the sample received.
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request
Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

-
- | | |
|---|--|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

APPENDIX G: SOIL CONTAMINATION SUMMARY TABLES

SOIL ASSESSMENT CRITERIA FOR RESIDENTIAL LAND USE (WITH HOME GROWN PRODUCE)

Contaminant	Assessment Criteria for Residential at 1% SOM (mg/kg)	Assessment Criteria for Residential at 2.5% SOM (mg/kg)	Assessment Criteria for Residential at 6% SOM (mg/kg)
<u>Metals</u>			
Arsenic	37	37	37
Boron	290	290	290
Cadmium	11	11	11
Chromium III	910	910	910
Chromium VI	6	6	6
Copper	240	240	240
*Lead	200	200	200
Mercury	1.2	1.2	1.2
Nickel	180	180	180
Selenium	250	250	250
Vanadium	410	410	410
Zinc	3700	3700	3700
<u>Non-Metals</u>			
Phenol	280	550	1100
<u>Polyaromatic Hydrocarbons (PAH)</u>			
Acenaphthene	210	510	1100
Acenaphthylene	170	420	920
Anthracene	2400	5400	11000
Benz[a]anthracene	7.2	11	13
Benzo[a]pyrene	2.2	2.7	3.0
Benzo[b]fluoranthene	2.6	3.3	3.7
Benzo[ghi]perylene	320	340	350
Benzo[k]fluoranthene	77	93	100
Chrysene	15	22	27
Dibenz[ah]anthracene	0.24	0.28	0.3
Fluoranthene	280	560	890
Fluorene	170	400	860
Indeno[123-cd]pyrene	27	36	41
Naphthalene	2.3	5.6	13
Phenanthrene	95	220	440
Pyrene	620	1200	2000
Coal Tar [Bap as surrogate marker]	0.79	0.98	1.1
<u>Petroleum Hydrocarbons</u>			
Aliphatic EC 5-6	42	78	160
Aliphatic EC >6-8	100	230	530
Aliphatic EC >8-10	27	65	150
Aliphatic EC >10-12	130	330	760
Aliphatic EC >12-16	1100	2400	4300
Aliphatic EC >16-35	65000	92000	110000
Aliphatic EC >35-44	65000	92000	110000
Aromatic EC 5-7 (Benzene)	70	140	300
Aromatic EC >7-8 (Toluene)	130	290	660
Aromatic EC >8-10	34	83	190
Aromatic EC >10-12	74	180	380
Aromatic EC >12-16	140	330	660
Aromatic EC >16-21	260	540	930
Aromatic EC >21-35	1100	1500	1700
Aromatic EC >35-44	1100	1500	1700
Aliphatic – Aromatic EC >44-70	1600	1800	1900

Copyright: Land Quality Management Limited (LQM)

The above is based on criteria contained in publication LQM/CIEH S4UL's for Human Health Risk Assessment (2015) (CCG Licence No. S4UL3233), applicable to the "Residential" land use (with home grown produce) scenario for soil organic matter (SOM) content of 1% - 6%.

*This document does not provide criteria for Lead, for which the results were compared to the C4SL published by DEFRA SP1010 Development of Category 4 Screening Levels.



METALS DATA SUMMARY AND RISK ASSESSMENT SHEET

Job number: CCG-C-21-12319

Site name: Greenes Road, Whiston

Prepared by: A Gerrard

Authorised by: C Bolan

Proposed land use: Residential with plant uptake

SOM % used: 2.5

 = Threshold exceeded

 = Below Limit of detection

 = Not tested

			Metals							
Contaminants			Cadmium	Chromium III	Chromium VI	Copper	Lead	Mercury (elemental)	Nickel	Zinc
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Limit of Detection			0.5	5.0	0.8	5.0	5.0	0.5	5.0	5.0
Human Health Risk Assessment (GAC)			11	910	6	2400	200	1.2	180	3700
Sample Location	Sample Depth (m)	Sample type								
WS1	0.55	SOIL	1.6	32.2	< 0.8	960	388	< 0.5	88.3	1250
WS2	0.50	SOIL	0.5	43.7	< 0.8	333	203	< 0.5	52.8	349
WS3	0.65	SOIL	0.6	28.1	< 0.8	78.6	128	< 0.5	29.4	172
WS4	0.50	SOIL	< 0.5	37.4	< 0.8	32.5	43.7	< 0.5	27.6	131
WS5	0.40	SOIL	1.5	23.8	< 0.8	77.5	98.3	< 0.5	19	169
WS6	0.50	SOIL	3.2	24.6	< 0.8	169	328	0.7	38	1150
WS7	0.45	SOIL	1.5	24.9	< 0.8	980	313	0.6	39.3	921
Human Health Risk Assessment (GAC)			11	910	6	2400	200	1.2	180	3700



SEMI-METALS, NON-METALS, INORGANICS AND OTHER DATA SUMMARY AND RISK ASSESSMENT SHEET

Job number: CCG-C-21-12319

Site name: Greenes Road, Whiston

Prepared by: A Gerrard

Authorised by: C Bolan

Proposed land use: Residential with plant uptake

SOM % used: 2.5

 = Threshold exceeded

 = Below Limit of detection

 = Not tested

			Semi/non-metals		Inorganics			Other		
Contaminants			Arsenic	Boron	Selenium	Cyanide (free)	Sulphate (water soluble)	Sulphate (water soluble)	pH (units)	Soil Organic Matter %
Units			mg/kg	mg/kg	mg/kg	mg/kg	g/l	mg/l	units	units
Limit of Detection			1.0	0.5	1.0	1.0	0.02	20.0	0.1	0.1
Human Health Risk Assessment (GAC)			37	290	350	22	NA	NA	NA	NA
Sample Location	Sample Depth (m)	Sample type								
WS1	0.55	SOIL	72.1	< 0.5	1.3	< 1.0	0.06	n/t	8	5
WS2	0.50	SOIL	38.5	0.9	< 1.0	< 1.0	0.05	n/t	7.7	5.8
WS3	0.65	SOIL	18.5	< 0.5	< 1.0	< 1.0	0.08	n/t	8.6	3.6
WS4	0.50	SOIL	7.7	0.6	< 1.0	< 1.0	0.11	n/t	9.3	2.5
WS5	0.40	SOIL	16.6	1.7	< 1.0	< 1.0	0.03	n/t	7.5	3.6
WS6	0.50	SOIL	33	1.6	1.1	< 1.0	< 0.02	n/t	7.3	7.2
WS7	0.45	SOIL	37.7	0.8	< 1.0	< 1.0	< 0.02	n/t	7.3	6.7
Human Health Risk Assessment (GAC)			37	290	350	22	NA	NA	NA	NA



SPECIATED PAH'S DATA SUMMARY AND RISK ASSESSMENT SHEET

Job number: CCG-C-21-12319

Site name: Greenes Road, Whiston

Prepared by: A Gerrard

Authorised by: C Bolan

Proposed land use: Residential with plant uptake

SOM % used: 2.5

 = Threshold exceeded = Below Limit of detection n/t = Not tested

Contaminants

PAH's

Units

Limit of Detection

Human Health Risk Assessment (GAC)

Sample Location	Sample Depth (m)	Sample type
-----------------	------------------	-------------

WS1	0.55	SOIL	< 0.1	< 0.1	0.6	1.5	1.9	1.8	1.6	2	1.6	0.5	1.8	< 0.1	1.7	0.1	0.6	1.9	17.6
WS2	0.50	SOIL	0.1	0.3	0.5	4	4.3	4.1	3.1	5.5	4	1.1	4.8	< 0.1	3.6	0.1	0.9	4.8	41.1
WS3	0.65	SOIL	< 0.1	< 0.1	0.1	0.9	1.1	1.1	0.8	1.4	1.1	0.5	1.7	< 0.1	1.3	< 0.1	0.4	1.6	12.1
WS4	0.50	SOIL	< 0.1	< 0.1	< 0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.1	0.2	< 0.1	0.2	< 0.1	0.1	0.2	2
WS5	0.40	SOIL	0.2	0.2	0.6	1.8	2.3	3.8	11.8	3.6	3.1	1.6	3	< 0.1	3.9	0.2	1.4	3.7	41.2
WS6	0.50	SOIL	< 0.1	< 0.1	0.1	0.4	0.5	0.4	0.4	0.7	0.4	< 0.1	0.7	< 0.1	0.6	0.1	0.4	0.7	5.7
WS7	0.45	SOIL	< 0.1	< 0.1	< 0.1	0.4	0.5	0.5	0.4	0.7	0.4	0.1	0.3	< 0.1	0.3	< 0.1	0.1	0.3	3.9
Human Health Risk Assessment (GAC)			510	420	5400	11	2.7	3.3	340	93	22	0.28	560	400	36	5.6	220	1200	NA



SPECIATED TPH'S DATA SUMMARY AND RISK ASSESSMENT SHEET

Job number: CCG-C-21-12319

Site name: Greenes Road, Whiston

Prepared by: A Gerrard

Authorised by: C Bolan

Proposed land use: Residential with plant uptake

SOM % used: 2.5

 	=	Threshold exceeded
 	=	Below Limit of detection
n/t	=	Not tested

Contaminants			Speciated TPH's																
			Aromatics								Aliphatics								TOTAL TPH'S
			EC5-7	EC7-8	EC8-10	EC10-12	EC12-16	EC16-21	EC21-35	EC35-44	EC5-6	EC6-8	EC8-10	EC10-12	EC12-16	EC16-35	EC35-44		
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Limit of Detection			0.01	0.01	1.0	1.0	1.0	1.0	1.0	1.0	0.01	0.01	1.0	1.0	1.0	1.0	1.0	1.0	
Human Health Risk Assessment (GAC)			140	290	83	180	330	540	1500	1500	78	230	65	330	2400	92000	92000	NA	
Sample Location	Sample Depth (m)	Sample type																	
WS1	0.55	SOIL	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	< 1.0	9	< 1.0	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	9	
WS2	0.50	SOIL	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	< 1.0	6	< 1.0	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6	
WS3	0.65	SOIL	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	13.3	46.6	11.5	< 0.01	< 0.01	< 1.0	< 1.0	8.3	37.1	5.3	122	
WS4	0.50	SOIL	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	1.1	12.8	4.6	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	5.7	1.9	26.2	
WS5	0.40	SOIL	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	4.8	80.5	23.7	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	101.5	39	250	
WS6	0.50	SOIL	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	< 1.0	7.3	< 1.0	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	3.6	2.2	13.1	
WS7	0.45	SOIL	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	< 1.0	6.5	1.6	< 0.01	< 0.01	< 1.0	< 1.0	< 1.0	1.1	< 1.0	8.1	
Human Health Risk Assessment (GAC)			140	290	83	180	330	540	1500	1500	78	230	65	330	2400	92000	92000	NA	



BTEX DATA SUMMARY AND RISK ASSESSMENT SHEET

Job number: **CCG-C-21-12319**

Site name: **Greenes Road, Whiston**

Prepared by: **A Gerrard**

Authorised by: **C Bolan**

Proposed land use: **Residential with plant uptake**

SOM % used: **2.5**

 = **Threshold exceeded**

 = **Below Limit of detection**

n/t = **Not tested**

			BTEX			
Contaminants			Benzene	Toluene	Ethylbenzene	Total Xylenes
Units			µg/kg	µg/kg	µg/kg	µg/kg
Limit of Detection			10	10	10	10
Human Health Risk Assessment (GAC)			0.33	610	350	NA
Sample Location	Sample Depth (m)	Sample type				
WS1	0.55	SOIL	< 10.0	< 10.0	< 10.0	< 10.0
WS2	0.50	SOIL	< 10.0	< 10.0	< 10.0	< 10.0
WS3	0.65	SOIL	< 10.0	< 10.0	< 10.0	< 10.0
WS4	0.50	SOIL	< 10.0	< 10.0	< 10.0	< 10.0
WS5	0.40	SOIL	< 10.0	< 10.0	< 10.0	< 10.0
WS6	0.50	SOIL	< 10.0	< 10.0	< 10.0	< 10.0
WS7	0.45	SOIL	< 10.0	< 10.0	< 10.0	< 10.0
Human Health Risk Assessment (GAC)			0.33	610	350	NA



CC GEOTECHNICAL LIMITED

Consulting Geotechnical and Geoenvironmental Engineers

ASBESTOS ASSESSMENT SHEET

Job number: CCG-C-21-12319

Site name: Greenes Road, Whiston

Prepared by: A Gerrard

Authorised by: C Bolan

Sample Location	Sample Depth (m)	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)	Assessment
WS1	0.55	No asbestos detected	n/t	n/t	n/t	n/t	No asbestos detected
WS2	0.50	No asbestos detected	n/t	n/t	n/t	n/t	No asbestos detected
WS3	0	No asbestos detected	n/t	n/t	n/t	n/t	No asbestos detected
WS4	0.65	No asbestos detected	n/t	n/t	n/t	n/t	No asbestos detected
WS5	0.50	No asbestos detected	n/t	n/t	n/t	n/t	No asbestos detected
WS6	0.50	No asbestos detected	n/t	n/t	n/t	n/t	No asbestos detected
WS7	0.45	No asbestos detected	n/t	n/t	n/t	n/t	No asbestos detected



Job Number:	CCG-C-21-12319	Site Name:	Greenes Road, Whiston
Prepared by:	A Gerrard	Approved by:	C Bolan

Sample Location	Sample Depth (m)	Sample type	Sulphate (water soluble) (mg/l)	Sulphate (water soluble) (mg/l)	pH (units)	pH (units)
			Soil	Water	Soil	Water
WS1	0.55	SOIL	60	n/t	8	n/t
WS2	0.50	SOIL	50	n/t	7.7	n/t
WS3	0.65	SOIL	80	n/t	8.6	n/t
WS4	0.50	SOIL	110	n/t	9.3	n/t
WS5	0.40	SOIL	30	n/t	7.5	n/t
WS6	0.50	SOIL	20	n/t	7.3	n/t
WS7	0.45	SOIL	20	n/t	7.3	n/t
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

Soil Concrete Specification Data Sheet	
Is the site Brownfield or Greenfield?	Brownfield
Is the water table Static or Mobile	Static
Highest water-soluble Sulphate results	110
Lowest pH result	7.3
Design Sulphate Class	DS-1
ACEC Class	AC-1s
Intended Working Life	50 Years
Design Chemical Classification	DC-1

Water Concrete Specification Data Sheet	
Is the site Brownfield or Greenfield?	Please Select Site
Is the water table Static or Mobile	Please Select Water Table
Highest water-soluble Sulphate results	
Lowest pH result	
Design Sulphate Class	
ACEC Class	
Intended Working Life	Please Select Working Life
Design Chemical Classification	-

Conclusions
Based on the soil data, concrete should be specified to conform to the compositional requirements of DC-1 as defined in BRE Special Digest 1: 2005.
Based on the water data, concrete should be specified to conform to the compositional requirements of - as defined in BRE Special Digest 1: 2005.

APPENDIX H: PRELIMINARY WASTE CLASSIFICATION REPORT



Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



MZBLD-BVVGZ-UA56F

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in **pale yellow**.

Job name

Greenes Road, Whiston

Description/Comments

Project

Site

Classified by

Name: **Tony Gerrard**
Date: **04 Aug 2021 15:12 GMT**
Telephone: **0151 545 2750**

Company: **CC Geotechnical Ltd**

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

Course
Hazardous Waste Classification

Date

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS1	0.55	Hazardous	HP 14	2
2	WS2	0.50	Non Hazardous		7
3	WS3	0.65	Non Hazardous		12
4	WS4	0.50	Non Hazardous		17
5	WS5	0.40	Non Hazardous		22
6	WS6	0.50	Non Hazardous		27
7	WS7	0.45	Non Hazardous		32

Related documents

#	Name	Description
1	CCG SOIL A 2020	waste stream template used to create this Job

Report

Created by: Tony Gerrard

Created date: 04 Aug 2021 15:12 GMT

Appendices

	Page
Appendix A: Classifier defined and non CLP determinands	37
Appendix B: Rationale for selection of metal species	41
Appendix C: Version	41



Classification of sample: WS1

 **Hazardous Waste**
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
WS1	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
0.55 m	

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

copper(II) oxide: (compound conc.: 0.12%)

zinc oxide: (compound conc.: 0.156%)

Determinands

Moisture content: **0% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				72.1	mg/kg	1.32	95.195	mg/kg	0.00952 %		
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				1.6	mg/kg	1.142	1.828	mg/kg	0.000183 %		
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				32.2	mg/kg	1.462	47.062	mg/kg	0.00471 %		
		215-160-9	1308-38-9									
4	copper { copper(II) oxide }				960	mg/kg	1.252	1201.706	mg/kg	0.12 %		
	029-016-00-6	215-269-1	1317-38-0									
5	lead { lead chromate }			1	388	mg/kg	1.56	605.208	mg/kg	0.0388 %		
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				88.3	mg/kg	2.976	262.804	mg/kg	0.0263 %		
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1.3	mg/kg	1.405	1.827	mg/kg	0.000183 %		
	034-002-00-8											
9	zinc { zinc oxide }				1250	mg/kg	1.245	1555.892	mg/kg	0.156 %		
	030-013-00-7	215-222-5	1314-13-2									
10	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
11	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.8	mg/kg	1.923	<1.538	mg/kg	<0.000154 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
12	boron { diboron trioxide; boric oxide }				<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
13	pH				8	pH		8	pH	8pH		
			PH									
14	phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
15	naphthalene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3									
16	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
17	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
18	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
19	phenanthrene				0.6	mg/kg		0.6	mg/kg	0.00006 %		
		201-581-5	85-01-8									
20	anthracene				0.6	mg/kg		0.6	mg/kg	0.00006 %		
		204-371-1	120-12-7									
21	fluoranthene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
		205-912-4	206-44-0									
22	pyrene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
		204-927-3	129-00-0									
23	benzo[a]anthracene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
	601-033-00-9	200-280-6	56-55-3									
24	chrysene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
	601-048-00-0	205-923-4	218-01-9									
25	benzo[b]fluoranthene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
	601-034-00-4	205-911-9	205-99-2									
26	benzo[k]fluoranthene				2	mg/kg		2	mg/kg	0.0002 %		
	601-036-00-5	205-916-6	207-08-9									
27	benzo[a]pyrene; benzo[def]chrysene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
	601-032-00-3	200-028-5	50-32-8									
28	indeno[123-cd]pyrene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
		205-893-2	193-39-5									
29	dibenz[a,h]anthracene				0.5	mg/kg		0.5	mg/kg	0.00005 %		
	601-041-00-2	200-181-8	53-70-3									
30	benzo[ghi]perylene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		205-883-8	191-24-2									
31	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
32	toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
33	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
34	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
35	TPH (C6 to C40) petroleum group				9	mg/kg		9	mg/kg	0.0009 %		
			TPH									
36	confirm TPH has NOT arisen from diesel or petrol				.1			.1				<LOD
37	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
38	polychlorobiphenyls; PCB				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-039-00-4	215-648-1	1336-36-3									
39	asbestos				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4									



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
			77536-68-6 77536-67-5 12001-29-5									
40	antimony { antimony trioxide }				<0.1	mg/kg	1.197	<0.12	mg/kg	<0.000012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4									
41	beryllium { beryllium oxide }				<0.1	mg/kg	2.775	<0.278	mg/kg	<0.0000278 %		<LOD
	004-003-00-8	215-133-1	1304-56-9									
42	manganese { manganese sulphate }				<0.1	mg/kg	2.749	<0.275	mg/kg	<0.0000275 %		<LOD
	025-003-00-4	232-089-9	7785-87-7									
43	molybdenum { molybdenum(VI) oxide }				<0.1	mg/kg	1.5	<0.15	mg/kg	<0.000015 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
44	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3									
45	tetrachloroethylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-028-00-4	204-825-9	127-18-4									
46	carbon tetrachloride; tetrachloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-008-00-5	200-262-8	56-23-5									
47	trichloroethylene; trichloroethene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6									
48	vinyl chloride; chloroethylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-023-00-7	200-831-0	75-01-4									
49	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-045-00-7	200-024-3	50-29-3									
50	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-047-00-8	200-349-0	57-74-9									
51	hexachlorocyclohexanes, including lindane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
52	dieldrin (ISO)				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-049-00-9	200-484-5	60-57-1									
53	endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-051-00-X	200-775-7	72-20-8									
54	heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-046-00-2	200-962-3	76-44-8									
55	hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-065-00-6	204-273-9	118-74-1									
56	chlordecone (ISO); perchloropentacyclo[5,3,0,02,6,03,9,04,8]decan-5-one; decachloropentacyclo[5,2,1,02,6,03,9,05,8]decan-4-one				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	606-019-00-6	205-601-3	143-50-0									
57	aldrin (ISO)				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-048-00-3	206-215-8	309-00-2									
58	pentachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-074-00-5	210-172-0	608-93-5									
59	dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decane; mirex				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-077-00-1	219-196-6	2385-85-5									
60	camphechlor (ISO); toxaphene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-044-00-1	232-283-3	8001-35-2									
61	hexabromobiphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		252-994-2	36355-01-8									
62	2,3,7,8-TeCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
		217-122-7	1746-01-6									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
63	1,2,3,7,8-PeCDD		40321-76-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
64	1,2,3,4,7,8-HxCDD		39227-28-6		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
65	1,2,3,6,7,8-HxCDD		57653-85-7		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
66	1,2,3,7,8,9-HxCDD		19408-74-3		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
67	1,2,3,4,6,7,8-HpCDD		35822-46-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
68	OCDD		3268-87-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
69	2,3,7,8-TeCDF		51207-31-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
70	1,2,3,7,8-PeCDF		57117-41-6		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
71	2,3,4,7,8-PeCDF		57117-31-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
72	1,2,3,4,7,8-HxCDF		70648-26-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
73	1,2,3,6,7,8-HxCDF		57117-44-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
74	1,2,3,7,8,9-HxCDF		72918-21-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
75	2,3,4,6,7,8-HxCDF		60851-34-5		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
76	1,2,3,4,6,7,8-HpCDF		67562-39-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
77	1,2,3,4,7,8,9-HpCDF		55673-89-7		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
78	OCDF		39001-02-0		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
79	petrol (gasoline) petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
80	diesel petroleum group		68334-30-5; 68476-34-6; 94114-59-7; 1159170-26-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
81	heavy/residual fuel oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	crude oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
83	kerosine petroleum group including kerosine (petroleum); kerosine (petroleum) hydrosulphurised; kerosine (petroleum) sweetened				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.359 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1 Only the metal concentration has been used for classification	



Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0009%)



Classification of sample: WS2

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name: **WS2** LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: **0.50 m** Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				38.5 mg/kg	1.32	50.833 mg/kg	0.00508 %			
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				0.5 mg/kg	1.142	0.571 mg/kg	0.0000571 %			
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				43.7 mg/kg	1.462	63.87 mg/kg	0.00639 %			
		215-160-9	1308-38-9								
4	copper { copper(II) oxide }				333 mg/kg	1.252	416.842 mg/kg	0.0417 %			
	029-016-00-6	215-269-1	1317-38-0								
5	lead { lead chromate }			1	203 mg/kg	1.56	316.642 mg/kg	0.0203 %			
	082-004-00-2	231-846-0	7758-97-6								
6	mercury { mercury dichloride }				<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel chromate }				52.8 mg/kg	2.976	157.147 mg/kg	0.0157 %			
	028-035-00-7	238-766-5	14721-18-7								
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
	034-002-00-8										
9	zinc { zinc oxide }				349 mg/kg	1.245	434.405 mg/kg	0.0434 %			
	030-013-00-7	215-222-5	1314-13-2								
10	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
11	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.8 mg/kg	1.923	<1.538 mg/kg	<0.000154 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
12	boron { diboron trioxide; boric oxide }				0.9 mg/kg	3.22	2.898 mg/kg	0.00029 %			
	005-008-00-8	215-125-8	1303-86-2								
13	pH				7.7 pH		7.7 pH	7.7 pH			
14	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
	601-052-00-2	202-049-5	91-20-3								



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
16	acenaphthylene	205-917-1	208-96-8		0.3	mg/kg		0.3	mg/kg	0.00003 %		
17	acenaphthene	201-469-6	83-32-9		0.1	mg/kg		0.1	mg/kg	0.00001 %		
18	fluorene	201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
19	phenanthrene	201-581-5	85-01-8		0.9	mg/kg		0.9	mg/kg	0.00009 %		
20	anthracene	204-371-1	120-12-7		0.5	mg/kg		0.5	mg/kg	0.00005 %		
21	fluoranthene	205-912-4	206-44-0		4.8	mg/kg		4.8	mg/kg	0.00048 %		
22	pyrene	204-927-3	129-00-0		4.8	mg/kg		4.8	mg/kg	0.00048 %		
23	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	4	mg/kg		4	mg/kg	0.0004 %		
24	chrysene	601-048-00-0	205-923-4	218-01-9	4	mg/kg		4	mg/kg	0.0004 %		
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	4.1	mg/kg		4.1	mg/kg	0.00041 %		
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	5.5	mg/kg		5.5	mg/kg	0.00055 %		
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	4.3	mg/kg		4.3	mg/kg	0.00043 %		
28	indeno[123-cd]pyrene	205-893-2	193-39-5		3.6	mg/kg		3.6	mg/kg	0.00036 %		
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	1.1	mg/kg		1.1	mg/kg	0.00011 %		
30	benzo[ghi]perylene	205-883-8	191-24-2		3.1	mg/kg		3.1	mg/kg	0.00031 %		
31	benzene	601-020-00-8	200-753-7	71-43-2	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
33	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
35	TPH (C6 to C40) petroleum group		TPH		6	mg/kg		6	mg/kg	0.0006 %		
36	confirm TPH has NOT arisen from diesel or petrol				.1			.1				<LOD
37	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
39	asbestos	650-013-00-6	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
40	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4	<0.1	mg/kg	1.197	<0.12	mg/kg	<0.000012 %		<LOD
41	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	<0.1	mg/kg	2.775	<0.278	mg/kg	<0.0000278 %		<LOD



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
42	manganese { manganese sulphate }				<0.1 mg/kg	2.749	<0.275 mg/kg	<0.0000275 %		<LOD
	025-003-00-4	232-089-9	7785-87-7							
43	molybdenum { molybdenum(VI) oxide }				<0.1 mg/kg	1.5	<0.15 mg/kg	<0.000015 %		<LOD
	042-001-00-9	215-204-7	1313-27-5							
44	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3							
45	tetrachloroethylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
46	carbon tetrachloride; tetrachloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
47	trichloroethylene; trichloroethene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
48	vinyl chloride; chloroethylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-023-00-7	200-831-0	75-01-4							
49	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-045-00-7	200-024-3	50-29-3							
50	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-047-00-8	200-349-0	57-74-9							
51	hexachlorocyclohexanes, including lindane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1							
52	dieldrin (ISO)				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-049-00-9	200-484-5	60-57-1							
53	endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-051-00-X	200-775-7	72-20-8							
54	heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-046-00-2	200-962-3	76-44-8							
55	hexachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-065-00-6	204-273-9	118-74-1							
56	chlordecone (ISO); perchloropentacyclo[5,3,0,02,6,03,9,04,8]decan-5-one; decachloropentacyclo[5,2,1,02,6,03,9,05,8]decan-4-one				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	606-019-00-6	205-601-3	143-50-0							
57	aldrin (ISO)				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-048-00-3	206-215-8	309-00-2							
58	pentachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-074-00-5	210-172-0	608-93-5							
59	dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decane; mirex				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-077-00-1	219-196-6	2385-85-5							
60	camphechlor (ISO); toxaphene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-044-00-1	232-283-3	8001-35-2							
61	hexabromobiphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		252-994-2	36355-01-8							
62	2,3,7,8-TeCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
		217-122-7	1746-01-6							
63	1,2,3,7,8-PeCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
			40321-76-4							
64	1,2,3,4,7,8-HxCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
			39227-28-6							
65	1,2,3,6,7,8-HxCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
			57653-85-7							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
66	1,2,3,7,8,9-HxCDD		19408-74-3		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
67	1,2,3,4,6,7,8-HpCDD		35822-46-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
68	OCDD		3268-87-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
69	2,3,7,8-TeCDF		51207-31-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
70	1,2,3,7,8-PeCDF		57117-41-6		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
71	2,3,4,7,8-PeCDF		57117-31-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
72	1,2,3,4,7,8-HxCDF		70648-26-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
73	1,2,3,6,7,8-HxCDF		57117-44-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
74	1,2,3,7,8,9-HxCDF		72918-21-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
75	2,3,4,6,7,8-HxCDF		60851-34-5		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
76	1,2,3,4,6,7,8-HpCDF		67562-39-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
77	1,2,3,4,7,8,9-HpCDF		55673-89-7		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
78	OCDF		39001-02-0		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
79	petrol (gasoline) petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
80	diesel petroleum group		68334-30-5, 68476-34-6, 94114-59-7, 1159170-26-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
81	heavy/residual fuel oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	crude oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
83	kerosine petroleum group including kerosine (petroleum); kerosine (petroleum) hydrosulphurised; kerosine (petroleum) sweetened	232-366-4; 265-184-9; 294-799-5	8008-20-6; 64742-81-0; 91770-15-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.139 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because



Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0006%)



Classification of sample: WS3

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS3	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.65 m	

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18.5 mg/kg	1.32	24.426 mg/kg	0.00244 %			
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %			
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28.1 mg/kg	1.462	41.07 mg/kg	0.00411 %			
4	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		78.6 mg/kg	1.252	98.39 mg/kg	0.00984 %			
5	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	128 mg/kg	1.56	199.656 mg/kg	0.0128 %			
6	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %			<LOD
7	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		29.4 mg/kg	2.976	87.502 mg/kg	0.00875 %			
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
9	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		172 mg/kg	1.245	214.091 mg/kg	0.0214 %			
10	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
11	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.8 mg/kg	1.923	<1.538 mg/kg	<0.000154 %			<LOD
12	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %			<LOD
13	pH			pH		8.6 pH		8.6 pH	8.6 pH			
14	phenol	604-001-00-2	203-632-7	108-95-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
15	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
16	acenaphthylene	205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
17	acenaphthene	201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
18	fluorene	201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
19	phenanthrene	201-581-5	85-01-8		0.4 mg/kg		0.4 mg/kg	0.00004 %			
20	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %			
21	fluoranthene	205-912-4	206-44-0		1.7 mg/kg		1.7 mg/kg	0.00017 %			
22	pyrene	204-927-3	129-00-0		1.6 mg/kg		1.6 mg/kg	0.00016 %			
23	benzo[a]anthracene	601-033-00-9	200-280-6		0.9 mg/kg		0.9 mg/kg	0.00009 %			
24	chrysene	601-048-00-0	205-923-4		1.1 mg/kg		1.1 mg/kg	0.00011 %			
25	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.1 mg/kg		1.1 mg/kg	0.00011 %			
26	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.4 mg/kg		1.4 mg/kg	0.00014 %			
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.1 mg/kg		1.1 mg/kg	0.00011 %			
28	indeno[123-cd]pyrene	205-893-2	193-39-5		1.3 mg/kg		1.3 mg/kg	0.00013 %			
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.5 mg/kg		0.5 mg/kg	0.00005 %			
30	benzo[ghi]perylene	205-883-8	191-24-2		0.8 mg/kg		0.8 mg/kg	0.00008 %			
31	benzene	601-020-00-8	200-753-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
32	toluene	601-021-00-3	203-625-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
33	ethylbenzene	601-023-00-4	202-849-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
35	TPH (C6 to C40) petroleum group		TPH		122 mg/kg		122 mg/kg	0.0122 %			
36	confirm TPH has NOT arisen from diesel or petrol				.1		.1				<LOD
37	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
39	asbestos	650-013-00-6	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
40	antimony { antimony trioxide }	051-005-00-X	215-175-0		<0.1 mg/kg	1.197	<0.12 mg/kg	<0.000012 %			<LOD
41	beryllium { beryllium oxide }	004-003-00-8	215-133-1		<0.1 mg/kg	2.775	<0.278 mg/kg	<0.0000278 %			<LOD



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
42	manganese { manganese sulphate }				<0.1	mg/kg	2.749	<0.275	mg/kg	<0.0000275 %		<LOD
	025-003-00-4	232-089-9	7785-87-7									
43	molybdenum { molybdenum(VI) oxide }				<0.1	mg/kg	1.5	<0.15	mg/kg	<0.000015 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
44	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3									
45	tetrachloroethylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-028-00-4	204-825-9	127-18-4									
46	carbon tetrachloride; tetrachloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-008-00-5	200-262-8	56-23-5									
47	trichloroethylene; trichloroethene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6									
48	vinyl chloride; chloroethylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-023-00-7	200-831-0	75-01-4									
49	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-045-00-7	200-024-3	50-29-3									
50	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-047-00-8	200-349-0	57-74-9									
51	hexachlorocyclohexanes, including lindane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
52	dieldrin (ISO)				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-049-00-9	200-484-5	60-57-1									
53	endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-051-00-X	200-775-7	72-20-8									
54	heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-046-00-2	200-962-3	76-44-8									
55	hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-065-00-6	204-273-9	118-74-1									
56	chlordecone (ISO); perchloropentacyclo[5,3,0,02,6,03,9,04,8]decan-5-one; decachloropentacyclo[5,2,1,02,6,03,9,05,8]decan-4-one				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	606-019-00-6	205-601-3	143-50-0									
57	aldrin (ISO)				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-048-00-3	206-215-8	309-00-2									
58	pentachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-074-00-5	210-172-0	608-93-5									
59	dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decane; mirex				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-077-00-1	219-196-6	2385-85-5									
60	camphechlor (ISO); toxaphene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-044-00-1	232-283-3	8001-35-2									
61	hexabromobiphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		252-994-2	36355-01-8									
62	2,3,7,8-TeCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
		217-122-7	1746-01-6									
63	1,2,3,7,8-PeCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
			40321-76-4									
64	1,2,3,4,7,8-HxCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
			39227-28-6									
65	1,2,3,6,7,8-HxCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
			57653-85-7									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
66	1,2,3,7,8,9-HxCDD		19408-74-3		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
67	1,2,3,4,6,7,8-HpCDD		35822-46-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
68	OCDD		3268-87-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
69	2,3,7,8-TeCDF		51207-31-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
70	1,2,3,7,8-PeCDF		57117-41-6		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
71	2,3,4,7,8-PeCDF		57117-31-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
72	1,2,3,4,7,8-HxCDF		70648-26-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
73	1,2,3,6,7,8-HxCDF		57117-44-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
74	1,2,3,7,8,9-HxCDF		72918-21-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
75	2,3,4,6,7,8-HxCDF		60851-34-5		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
76	1,2,3,4,6,7,8-HpCDF		67562-39-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
77	1,2,3,4,7,8,9-HpCDF		55673-89-7		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
78	OCDF		39001-02-0		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
79	petrol (gasoline) petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
80	diesel petroleum group		68334-30-5; 68476-34-6; 94114-59-7; 1159170-26-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
81	heavy/residual fuel oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	crude oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
83	kerosine petroleum group including kerosine (petroleum); kerosine (petroleum) hydrosulphurised; kerosine (petroleum) sweetened	232-366-4; 265-184-9; 294-799-5	8008-20-6; 64742-81-0; 91770-15-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.0739 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD Below limit of detection
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because :



Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0122%)



Classification of sample: WS4

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS4	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m	

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				7.7 mg/kg	1.32	10.167 mg/kg	0.00102 %			
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				37.4 mg/kg	1.462	54.662 mg/kg	0.00547 %			
		215-160-9	1308-38-9								
4	copper { copper(II) oxide }				32.5 mg/kg	1.252	40.683 mg/kg	0.00407 %			
	029-016-00-6	215-269-1	1317-38-0								
5	lead { lead chromate }			1	43.7 mg/kg	1.56	68.164 mg/kg	0.00437 %			
	082-004-00-2	231-846-0	7758-97-6								
6	mercury { mercury dichloride }				<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel chromate }				27.6 mg/kg	2.976	82.145 mg/kg	0.00821 %			
	028-035-00-7	238-766-5	14721-18-7								
8	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
	034-002-00-8										
9	zinc { zinc oxide }				131 mg/kg	1.245	163.058 mg/kg	0.0163 %			
	030-013-00-7	215-222-5	1314-13-2								
10	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
11	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.8 mg/kg	1.923	<1.538 mg/kg	<0.000154 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
12	boron { diboron trioxide; boric oxide }				0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %			
	005-008-00-8	215-125-8	1303-86-2								
13	pH				9.3 pH		9.3 pH	9.3 pH			
14	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
15	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
	601-052-00-2	202-049-5	91-20-3								



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
16	acenaphthylene	205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
17	acenaphthene	201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
18	fluorene	201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
19	phenanthrene	201-581-5	85-01-8		0.1	mg/kg		0.1	mg/kg	0.00001 %		
20	anthracene	204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
21	fluoranthene	205-912-4	206-44-0		0.2	mg/kg		0.2	mg/kg	0.00002 %		
22	pyrene	204-927-3	129-00-0		0.2	mg/kg		0.2	mg/kg	0.00002 %		
23	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.1	mg/kg		0.1	mg/kg	0.00001 %		
24	chrysene	601-048-00-0	205-923-4	218-01-9	0.2	mg/kg		0.2	mg/kg	0.00002 %		
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.1	mg/kg		0.1	mg/kg	0.00001 %		
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.3	mg/kg		0.3	mg/kg	0.00003 %		
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.1	mg/kg		0.1	mg/kg	0.00001 %		
28	indeno[123-cd]pyrene	205-893-2	193-39-5		0.2	mg/kg		0.2	mg/kg	0.00002 %		
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.1	mg/kg		0.1	mg/kg	0.00001 %		
30	benzo[ghi]perylene	205-883-8	191-24-2		0.3	mg/kg		0.3	mg/kg	0.00003 %		
31	benzene	601-020-00-8	200-753-7	71-43-2	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
33	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
35	TPH (C6 to C40) petroleum group		TPH		26.2	mg/kg		26.2	mg/kg	0.00262 %		
36	confirm TPH has NOT arisen from diesel or petrol				.1			.1				<LOD
37	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
39	asbestos	650-013-00-6	----- 12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
40	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4	<0.1	mg/kg	1.197	<0.12	mg/kg	<0.000012 %		<LOD
41	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	<0.1	mg/kg	2.775	<0.278	mg/kg	<0.0000278 %		<LOD



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
42	manganese { manganese sulphate }				<0.1 mg/kg	2.749	<0.275 mg/kg	<0.0000275 %		<LOD
	025-003-00-4	232-089-9	7785-87-7							
43	molybdenum { molybdenum(VI) oxide }				<0.1 mg/kg	1.5	<0.15 mg/kg	<0.000015 %		<LOD
	042-001-00-9	215-204-7	1313-27-5							
44	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3							
45	tetrachloroethylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
46	carbon tetrachloride; tetrachloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
47	trichloroethylene; trichloroethene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
48	vinyl chloride; chloroethylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-023-00-7	200-831-0	75-01-4							
49	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-045-00-7	200-024-3	50-29-3							
50	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-047-00-8	200-349-0	57-74-9							
51	hexachlorocyclohexanes, including lindane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1							
52	dieldrin (ISO)				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-049-00-9	200-484-5	60-57-1							
53	endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-051-00-X	200-775-7	72-20-8							
54	heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-046-00-2	200-962-3	76-44-8							
55	hexachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-065-00-6	204-273-9	118-74-1							
56	chlordecone (ISO); perchloropentacyclo[5,3,0,02,6,03,9,04,8]decan-5-one; decachloropentacyclo[5,2,1,02,6,03,9,05,8]decan-4-one				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	606-019-00-6	205-601-3	143-50-0							
57	aldrin (ISO)				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-048-00-3	206-215-8	309-00-2							
58	pentachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-074-00-5	210-172-0	608-93-5							
59	dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decane; mirex				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-077-00-1	219-196-6	2385-85-5							
60	camphechlor (ISO); toxaphene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-044-00-1	232-283-3	8001-35-2							
61	hexabromobiphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		252-994-2	36355-01-8							
62	2,3,7,8-TeCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
		217-122-7	1746-01-6							
63	1,2,3,7,8-PeCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
			40321-76-4							
64	1,2,3,4,7,8-HxCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
			39227-28-6							
65	1,2,3,6,7,8-HxCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
			57653-85-7							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
66	1,2,3,7,8,9-HxCDD		19408-74-3		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
67	1,2,3,4,6,7,8-HpCDD		35822-46-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
68	OCDD		3268-87-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
69	2,3,7,8-TeCDF		51207-31-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
70	1,2,3,7,8-PeCDF		57117-41-6		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
71	2,3,4,7,8-PeCDF		57117-31-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
72	1,2,3,4,7,8-HxCDF		70648-26-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
73	1,2,3,6,7,8-HxCDF		57117-44-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
74	1,2,3,7,8,9-HxCDF		72918-21-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
75	2,3,4,6,7,8-HxCDF		60851-34-5		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
76	1,2,3,4,6,7,8-HpCDF		67562-39-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
77	1,2,3,4,7,8,9-HpCDF		55673-89-7		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
78	OCDF		39001-02-0		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
79	petrol (gasoline) petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
80	diesel petroleum group		68334-30-5, 68476-34-6, 94114-59-7, 1159170-26-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
81	heavy/residual fuel oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	crude oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
83	kerosine petroleum group including kerosine (petroleum); kerosine (petroleum) hydrosulphurised; kerosine (petroleum) sweetened	232-366-4; 265-184-9; 294-799-5	8008-20-6; 64742-81-0; 91770-15-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.0434 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because



Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00262%)



Classification of sample: WS5

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS5	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m	

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				16.6	mg/kg	1.32	21.917	mg/kg	0.00219 %		
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				1.5	mg/kg	1.142	1.713	mg/kg	0.000171 %		
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23.8	mg/kg	1.462	34.785	mg/kg	0.00348 %		
		215-160-9	1308-38-9									
4	copper { copper(II) oxide }				77.5	mg/kg	1.252	97.013	mg/kg	0.0097 %		
	029-016-00-6	215-269-1	1317-38-0									
5	lead { lead chromate }			1	98.3	mg/kg	1.56	153.33	mg/kg	0.00983 %		
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				<0.5	mg/kg	1.353	<0.677	mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				19	mg/kg	2.976	56.549	mg/kg	0.00565 %		
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
9	zinc { zinc oxide }				169	mg/kg	1.245	210.357	mg/kg	0.021 %		
	030-013-00-7	215-222-5	1314-13-2									
10	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
11	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.8	mg/kg	1.923	<1.538	mg/kg	<0.000154 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
12	boron { diboron trioxide; boric oxide }				1.7	mg/kg	3.22	5.474	mg/kg	0.000547 %		
	005-008-00-8	215-125-8	1303-86-2									
13	pH				7.5	pH		7.5	pH	7.5 pH		
14	phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
15	naphthalene				0.2	mg/kg		0.2	mg/kg	0.00002 %		
	601-052-00-2	202-049-5	91-20-3									



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
16	acenaphthylene	205-917-1	208-96-8		0.2	mg/kg		0.2	mg/kg	0.00002 %		
17	acenaphthene	201-469-6	83-32-9		0.2	mg/kg		0.2	mg/kg	0.00002 %		
18	fluorene	201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
19	phenanthrene	201-581-5	85-01-8		1.4	mg/kg		1.4	mg/kg	0.00014 %		
20	anthracene	204-371-1	120-12-7		0.6	mg/kg		0.6	mg/kg	0.00006 %		
21	fluoranthene	205-912-4	206-44-0		3	mg/kg		3	mg/kg	0.0003 %		
22	pyrene	204-927-3	129-00-0		3.7	mg/kg		3.7	mg/kg	0.00037 %		
23	benzo[a]anthracene	601-033-00-9	200-280-6		1.8	mg/kg		1.8	mg/kg	0.00018 %		
24	chrysene	601-048-00-0	205-923-4		3.1	mg/kg		3.1	mg/kg	0.00031 %		
25	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.8	mg/kg		3.8	mg/kg	0.00038 %		
26	benzo[k]fluoranthene	601-036-00-5	205-916-6		3.6	mg/kg		3.6	mg/kg	0.00036 %		
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.3	mg/kg		2.3	mg/kg	0.00023 %		
28	indeno[123-cd]pyrene	205-893-2	193-39-5		3.9	mg/kg		3.9	mg/kg	0.00039 %		
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.6	mg/kg		1.6	mg/kg	0.00016 %		
30	benzo[ghi]perylene	205-883-8	191-24-2		11.8	mg/kg		11.8	mg/kg	0.00118 %		
31	benzene	601-020-00-8	200-753-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
32	toluene	601-021-00-3	203-625-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
33	ethylbenzene	601-023-00-4	202-849-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
35	TPH (C6 to C40) petroleum group		TPH		250	mg/kg		250	mg/kg	0.025 %		
36	confirm TPH has NOT arisen from diesel or petrol				.1			.1				<LOD
37	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
39	asbestos	650-013-00-6	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
40	antimony { antimony trioxide }	051-005-00-X	215-175-0		<0.1	mg/kg	1.197	<0.12	mg/kg	<0.000012 %		<LOD
41	beryllium { beryllium oxide }	004-003-00-8	215-133-1		<0.1	mg/kg	2.775	<0.278	mg/kg	<0.0000278 %		<LOD



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
42	manganese { manganese sulphate }				<0.1	mg/kg	2.749	<0.275	mg/kg	<0.0000275 %		<LOD
	025-003-00-4	232-089-9	7785-87-7									
43	molybdenum { molybdenum(VI) oxide }				<0.1	mg/kg	1.5	<0.15	mg/kg	<0.000015 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
44	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3									
45	tetrachloroethylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-028-00-4	204-825-9	127-18-4									
46	carbon tetrachloride; tetrachloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-008-00-5	200-262-8	56-23-5									
47	trichloroethylene; trichloroethene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6									
48	vinyl chloride; chloroethylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-023-00-7	200-831-0	75-01-4									
49	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-045-00-7	200-024-3	50-29-3									
50	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-047-00-8	200-349-0	57-74-9									
51	hexachlorocyclohexanes, including lindane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
52	dieldrin (ISO)				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-049-00-9	200-484-5	60-57-1									
53	endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-051-00-X	200-775-7	72-20-8									
54	heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-046-00-2	200-962-3	76-44-8									
55	hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-065-00-6	204-273-9	118-74-1									
56	chlordecone (ISO); perchloropentacyclo[5,3,0,02,6,03,9,04,8]decan-5-one; decachloropentacyclo[5,2,1,02,6,03,9,05,8]decan-4-one				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	606-019-00-6	205-601-3	143-50-0									
57	aldrin (ISO)				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-048-00-3	206-215-8	309-00-2									
58	pentachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-074-00-5	210-172-0	608-93-5									
59	dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decane; mirex				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-077-00-1	219-196-6	2385-85-5									
60	camphechlor (ISO); toxaphene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-044-00-1	232-283-3	8001-35-2									
61	hexabromobiphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		252-994-2	36355-01-8									
62	2,3,7,8-TeCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
		217-122-7	1746-01-6									
63	1,2,3,7,8-PeCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
			40321-76-4									
64	1,2,3,4,7,8-HxCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
			39227-28-6									
65	1,2,3,6,7,8-HxCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
			57653-85-7									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
66	1,2,3,7,8,9-HxCDD		19408-74-3		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
67	1,2,3,4,6,7,8-HpCDD		35822-46-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
68	OCDD		3268-87-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
69	2,3,7,8-TeCDF		51207-31-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
70	1,2,3,7,8-PeCDF		57117-41-6		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
71	2,3,4,7,8-PeCDF		57117-31-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
72	1,2,3,4,7,8-HxCDF		70648-26-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
73	1,2,3,6,7,8-HxCDF		57117-44-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
74	1,2,3,7,8,9-HxCDF		72918-21-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
75	2,3,4,6,7,8-HxCDF		60851-34-5		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
76	1,2,3,4,6,7,8-HpCDF		67562-39-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
77	1,2,3,4,7,8,9-HpCDF		55673-89-7		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
78	OCDF		39001-02-0		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
79	petrol (gasoline) petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
80	diesel petroleum group		68334-30-5; 68476-34-6; 94114-59-7; 1159170-26-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
81	heavy/residual fuel oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	crude oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
83	kerosine petroleum group including kerosine (petroleum); kerosine (petroleum) hydrosulphurised; kerosine (petroleum) sweetened	232-366-4; 265-184-9; 294-799-5	8008-20-6; 64742-81-0; 91770-15-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.0826 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD Below limit of detection
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because :



Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.025%)



Classification of sample: WS6

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS6	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.50 m	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				33 mg/kg	1.32	43.571 mg/kg	0.00436 %			
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				3.2 mg/kg	1.142	3.655 mg/kg	0.000366 %			
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				24.6 mg/kg	1.462	35.954 mg/kg	0.0036 %			
		215-160-9	1308-38-9								
4	copper { copper(II) oxide }				169 mg/kg	1.252	211.55 mg/kg	0.0212 %			
	029-016-00-6	215-269-1	1317-38-0								
5	lead { lead chromate }			1	328 mg/kg	1.56	511.619 mg/kg	0.0328 %			
	082-004-00-2	231-846-0	7758-97-6								
6	mercury { mercury dichloride }				0.7 mg/kg	1.353	0.947 mg/kg	0.0000947 %			
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel chromate }				38 mg/kg	2.976	113.098 mg/kg	0.0113 %			
	028-035-00-7	238-766-5	14721-18-7								
8	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				1.1 mg/kg	1.405	1.546 mg/kg	0.000155 %			
	034-002-00-8										
9	zinc { zinc oxide }				1150 mg/kg	1.245	1431.421 mg/kg	0.143 %			
	030-013-00-7	215-222-5	1314-13-2								
10	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
11	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.8 mg/kg	1.923	<1.538 mg/kg	<0.000154 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
12	boron { diboron trioxide; boric oxide }				1.6 mg/kg	3.22	5.152 mg/kg	0.000515 %			
	005-008-00-8	215-125-8	1303-86-2								
13	pH				7.3 pH		7.3 pH	7.3 pH			
14	phenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
	601-052-00-2	202-049-5	91-20-3								



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
16	acenaphthylene	205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
17	acenaphthene	201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
18	fluorene	201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
19	phenanthrene	201-581-5	85-01-8		0.4	mg/kg		0.4	mg/kg	0.00004 %		
20	anthracene	204-371-1	120-12-7		0.1	mg/kg		0.1	mg/kg	0.00001 %		
21	fluoranthene	205-912-4	206-44-0		0.7	mg/kg		0.7	mg/kg	0.00007 %		
22	pyrene	204-927-3	129-00-0		0.7	mg/kg		0.7	mg/kg	0.00007 %		
23	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.4	mg/kg		0.4	mg/kg	0.00004 %		
24	chrysene	601-048-00-0	205-923-4	218-01-9	0.4	mg/kg		0.4	mg/kg	0.00004 %		
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.4	mg/kg		0.4	mg/kg	0.00004 %		
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.7	mg/kg		0.7	mg/kg	0.00007 %		
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.5	mg/kg		0.5	mg/kg	0.00005 %		
28	indeno[123-cd]pyrene	205-893-2	193-39-5		0.6	mg/kg		0.6	mg/kg	0.00006 %		
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
30	benzo[ghi]perylene	205-883-8	191-24-2		0.4	mg/kg		0.4	mg/kg	0.00004 %		
31	benzene	601-020-00-8	200-753-7	71-43-2	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
32	toluene	601-021-00-3	203-625-9	108-88-3	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
33	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
35	TPH (C6 to C40) petroleum group		TPH		13.1	mg/kg		13.1	mg/kg	0.00131 %		
36	confirm TPH has NOT arisen from diesel or petrol				.1			.1				<LOD
37	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
39	asbestos	650-013-00-6	----- 12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
40	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4	<0.1	mg/kg	1.197	<0.12	mg/kg	<0.000012 %		<LOD
41	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	<0.1	mg/kg	2.775	<0.278	mg/kg	<0.0000278 %		<LOD



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
42	manganese { manganese sulphate }				<0.1 mg/kg	2.749	<0.275 mg/kg	<0.0000275 %		<LOD
	025-003-00-4	232-089-9	7785-87-7							
43	molybdenum { molybdenum(VI) oxide }				<0.1 mg/kg	1.5	<0.15 mg/kg	<0.000015 %		<LOD
	042-001-00-9	215-204-7	1313-27-5							
44	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3							
45	tetrachloroethylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
46	carbon tetrachloride; tetrachloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
47	trichloroethylene; trichloroethene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
48	vinyl chloride; chloroethylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-023-00-7	200-831-0	75-01-4							
49	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-045-00-7	200-024-3	50-29-3							
50	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-047-00-8	200-349-0	57-74-9							
51	hexachlorocyclohexanes, including lindane				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1							
52	dieldrin (ISO)				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-049-00-9	200-484-5	60-57-1							
53	endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-051-00-X	200-775-7	72-20-8							
54	heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-046-00-2	200-962-3	76-44-8							
55	hexachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-065-00-6	204-273-9	118-74-1							
56	chlordecone (ISO); perchloropentacyclo[5,3,0,02,6,03,9,04,8]decan-5-one; decachloropentacyclo[5,2,1,02,6,03,9,05,8]decan-4-one				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	606-019-00-6	205-601-3	143-50-0							
57	aldrin (ISO)				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-048-00-3	206-215-8	309-00-2							
58	pentachlorobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-074-00-5	210-172-0	608-93-5							
59	dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decane; mirex				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-077-00-1	219-196-6	2385-85-5							
60	camphechlor (ISO); toxaphene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	602-044-00-1	232-283-3	8001-35-2							
61	hexabromobiphenyl				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		252-994-2	36355-01-8							
62	2,3,7,8-TeCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
		217-122-7	1746-01-6							
63	1,2,3,7,8-PeCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
			40321-76-4							
64	1,2,3,4,7,8-HxCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
			39227-28-6							
65	1,2,3,6,7,8-HxCDD				<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
			57653-85-7							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
66	1,2,3,7,8,9-HxCDD		19408-74-3		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
67	1,2,3,4,6,7,8-HpCDD		35822-46-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
68	OCDD		3268-87-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
69	2,3,7,8-TeCDF		51207-31-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
70	1,2,3,7,8-PeCDF		57117-41-6		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
71	2,3,4,7,8-PeCDF		57117-31-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
72	1,2,3,4,7,8-HxCDF		70648-26-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
73	1,2,3,6,7,8-HxCDF		57117-44-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
74	1,2,3,7,8,9-HxCDF		72918-21-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
75	2,3,4,6,7,8-HxCDF		60851-34-5		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
76	1,2,3,4,6,7,8-HpCDF		67562-39-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
77	1,2,3,4,7,8,9-HpCDF		55673-89-7		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
78	OCDF		39001-02-0		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
79	petrol (gasoline) petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
80	diesel petroleum group		68334-30-5, 68476-34-6, 94114-59-7, 1159170-26-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
81	heavy/residual fuel oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	crude oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
83	kerosine petroleum group including kerosine (petroleum); kerosine (petroleum) hydrosulphurised; kerosine (petroleum) sweetened	232-366-4; 265-184-9; 294-799-5	8008-20-6; 64742-81-0; 91770-15-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.22 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because



Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00131%)



Classification of sample: WS7



Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS7	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.45 m	

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				37.7	mg/kg	1.32	49.776	mg/kg	0.00498 %		
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				1.5	mg/kg	1.142	1.713	mg/kg	0.000171 %		
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				24.9	mg/kg	1.462	36.393	mg/kg	0.00364 %		
		215-160-9	1308-38-9									
4	copper { copper(II) oxide }				980	mg/kg	1.252	1226.741	mg/kg	0.123 %		
	029-016-00-6	215-269-1	1317-38-0									
5	lead { lead chromate }			1	313	mg/kg	1.56	488.222	mg/kg	0.0313 %		
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				0.6	mg/kg	1.353	0.812	mg/kg	0.0000812 %		
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				39.3	mg/kg	2.976	116.967	mg/kg	0.0117 %		
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
9	zinc { zinc oxide }				921	mg/kg	1.245	1146.382	mg/kg	0.115 %		
	030-013-00-7	215-222-5	1314-13-2									
10	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
11	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.8	mg/kg	1.923	<1.538	mg/kg	<0.000154 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
12	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.576	mg/kg	0.000258 %		
	005-008-00-8	215-125-8	1303-86-2									
13	pH				7.3	pH		7.3	pH	7.3 pH		
14	phenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
15	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
16	acenaphthylene	205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
17	acenaphthene	201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluorene	201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	phenanthrene	201-581-5	85-01-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	fluoranthene	205-912-4	206-44-0		0.3 mg/kg		0.3 mg/kg	0.00003 %		
22	pyrene	204-927-3	129-00-0		0.3 mg/kg		0.3 mg/kg	0.00003 %		
23	benzo[a]anthracene	601-033-00-9	200-280-6		0.4 mg/kg		0.4 mg/kg	0.00004 %		
24	chrysene	601-048-00-0	205-923-4		0.4 mg/kg		0.4 mg/kg	0.00004 %		
25	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.5 mg/kg		0.5 mg/kg	0.00005 %		
26	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.7 mg/kg		0.7 mg/kg	0.00007 %		
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.5 mg/kg		0.5 mg/kg	0.00005 %		
28	indeno[123-cd]pyrene	205-893-2	193-39-5		0.3 mg/kg		0.3 mg/kg	0.00003 %		
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
30	benzo[ghi]perylene	205-883-8	191-24-2		0.4 mg/kg		0.4 mg/kg	0.00004 %		
31	benzene	601-020-00-8	200-753-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	toluene	601-021-00-3	203-625-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
33	ethylbenzene	601-023-00-4	202-849-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
34	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
35	TPH (C6 to C40) petroleum group		TPH		8.1 mg/kg		8.1 mg/kg	0.00081 %		
36	confirm TPH has NOT arisen from diesel or petrol				.1		.1			<LOD
37	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
38	polychlorobiphenyls; PCB	602-039-00-4	215-648-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
39	asbestos	650-013-00-6	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
40	antimony { antimony trioxide }	051-005-00-X	215-175-0		<0.1 mg/kg	1.197	<0.12 mg/kg	<0.000012 %		<LOD
41	beryllium { beryllium oxide }	004-003-00-8	215-133-1		<0.1 mg/kg	2.775	<0.278 mg/kg	<0.0000278 %		<LOD



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
42	manganese { manganese sulphate }				<0.1	mg/kg	2.749	<0.275	mg/kg	<0.0000275 %		<LOD
	025-003-00-4	232-089-9	7785-87-7									
43	molybdenum { molybdenum(VI) oxide }				<0.1	mg/kg	1.5	<0.15	mg/kg	<0.000015 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
44	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3									
45	tetrachloroethylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-028-00-4	204-825-9	127-18-4									
46	carbon tetrachloride; tetrachloromethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-008-00-5	200-262-8	56-23-5									
47	trichloroethylene; trichloroethene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6									
48	vinyl chloride; chloroethylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-023-00-7	200-831-0	75-01-4									
49	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-045-00-7	200-024-3	50-29-3									
50	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-047-00-8	200-349-0	57-74-9									
51	hexachlorocyclohexanes, including lindane				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
52	dieldrin (ISO)				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-049-00-9	200-484-5	60-57-1									
53	endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-051-00-X	200-775-7	72-20-8									
54	heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-046-00-2	200-962-3	76-44-8									
55	hexachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-065-00-6	204-273-9	118-74-1									
56	chlordecone (ISO); perchloropentacyclo[5,3,0,02,6,03,9,04,8]decan-5-one; decachloropentacyclo[5,2,1,02,6,03,9,05,8]decan-4-one				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	606-019-00-6	205-601-3	143-50-0									
57	aldrin (ISO)				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-048-00-3	206-215-8	309-00-2									
58	pentachlorobenzene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-074-00-5	210-172-0	608-93-5									
59	dodecachloropentacyclo[5.2.1.02,6.03,9.05,8]decane; mirex				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-077-00-1	219-196-6	2385-85-5									
60	camphechlor (ISO); toxaphene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	602-044-00-1	232-283-3	8001-35-2									
61	hexabromobiphenyl				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		252-994-2	36355-01-8									
62	2,3,7,8-TeCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
		217-122-7	1746-01-6									
63	1,2,3,7,8-PeCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
			40321-76-4									
64	1,2,3,4,7,8-HxCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
			39227-28-6									
65	1,2,3,6,7,8-HxCDD				<0.1	ng/kg		<1.0e-07	mg/kg	<1.0e-11 %		<LOD
			57653-85-7									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
66	1,2,3,7,8,9-HxCDD		19408-74-3		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
67	1,2,3,4,6,7,8-HpCDD		35822-46-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
68	OCDD		3268-87-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
69	2,3,7,8-TeCDF		51207-31-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
70	1,2,3,7,8-PeCDF		57117-41-6		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
71	2,3,4,7,8-PeCDF		57117-31-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
72	1,2,3,4,7,8-HxCDF		70648-26-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
73	1,2,3,6,7,8-HxCDF		57117-44-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
74	1,2,3,7,8,9-HxCDF		72918-21-9		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
75	2,3,4,6,7,8-HxCDF		60851-34-5		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
76	1,2,3,4,6,7,8-HpCDF		67562-39-4		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
77	1,2,3,4,7,8,9-HpCDF		55673-89-7		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
78	OCDF		39001-02-0		<0.1 ng/kg		<1.0e-07 mg/kg	<1.0e-11 %		<LOD
79	petrol (gasoline) petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
80	diesel petroleum group		68334-30-5; 68476-34-6; 94114-59-7; 1159170-26-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
81	heavy/residual fuel oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	crude oils petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
83	kerosine petroleum group including kerosine (petroleum); kerosine (petroleum) hydrosulphurised; kerosine (petroleum) sweetened	232-366-4; 265-184-9; 294-799-5	8008-20-6; 64742-81-0; 91770-15-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.291 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD Below limit of detection
- ND Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because :



Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00081%)



Appendix A: Classifier defined and non CLP determinands

• **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4 H332 , Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Resp. Sens. 1 H334 , Skin Sens. 1 H317 , Repr. 1B H360FD , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

• **salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex**

CLP index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

• **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

• **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

• **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

• **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

• **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

• **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

• **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

• **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410



■ **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2 H351

■ **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

■ **ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

CLP index number: 601-023-00-4
Description/Comments:
Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

■ **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , STOT RE 2 H373 , Muta. 1B H340 , Carc. 1B H350 , Repr. 2 H361d , Aquatic Chronic 2 H411

■ **confirm TPH has NOT arisen from diesel or petrol**

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

■ **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP index number: 602-039-00-4
Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans; POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 1A H350
Reason for additional Hazards Statement(s):
29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

■ **1,1-dichloroethane and 1,2-dichloroethane (combined)** (EC Number: 203-458-1, 200-863-5, CAS Number: 107-06-2, 75-34-3)

Description/Comments: Combines the hazard statements and risk phrases for 1,1-dichloroethane and 1,2-dichloroethane
Data source: N/a
Data source date: 14 Oct 2016
Hazard Statements: Flam. Liq. 2 H225 , Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 1B H350 , Aquatic Chronic 3 H412

■ **hexabromobiphenyl** (EC Number: 252-994-2, CAS Number: 36355-01-8)

Description/Comments:
Data source: POP specific threshold from ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004).
Data source date: 01 Jul 2013
Hazard Statements: POP >= 0.005 %

■ **2,3,7,8-TeCDD** (EC Number: 217-122-7, CAS Number: 1746-01-6)

Description/Comments: 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=1)



▪ **1,2,3,7,8-PeCDD** (CAS Number: 40321-76-4)

Description/Comments: 1,2,3,7,8-pentachlorodibenzo-p-dioxin
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=1)

▪ **1,2,3,4,7,8-HxCDD** (CAS Number: 39227-28-6)

Description/Comments: 1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.1)

▪ **1,2,3,6,7,8-HxCDD** (CAS Number: 57653-85-7)

Description/Comments: 1,2,3,6,7,8-hexachlorodibenzo-p-dioxin
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.1)

▪ **1,2,3,7,8,9-HxCDD** (CAS Number: 19408-74-3)

Description/Comments: 1,2,3,7,8,9-hexachlorodibenzo-p-dioxin
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.1)

▪ **1,2,3,4,6,7,8-HpCDD** (CAS Number: 35822-46-9)

Description/Comments: 1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.01)

▪ **OCDD** (CAS Number: 3268-87-9)

Description/Comments: octachlorodibenzo-p-dioxin
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.0003)

▪ **2,3,7,8-TeCDF** (CAS Number: 51207-31-9)

Description/Comments: 2,3,7,8-tetrachlorodibenzofuran
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.1)

▪ **1,2,3,7,8-PeCDF** (CAS Number: 57117-41-6)

Description/Comments: 1,2,3,7,8-pentachlorodibenzofuran
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.03)

▪ **2,3,4,7,8-PeCDF** (CAS Number: 57117-31-4)

Description/Comments: 2,3,4,7,8-pentachlorodibenzofuran
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.3)

▪ **1,2,3,4,7,8-HxCDF** (CAS Number: 70648-26-9)

Description/Comments: 1,2,3,4,7,8-hexachlorodibenzofuran
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.1)

▪ **1,2,3,6,7,8-HxCDF** (CAS Number: 57117-44-9)

Description/Comments: 1,2,3,6,7,8-hexachlorodibenzofuran
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.1)



■ **1,2,3,7,8,9-HxCDF** (CAS Number: 72918-21-9)

Description/Comments: 1,2,3,7,8,9-hexachlorodibenzofuran
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.1)

■ **2,3,4,6,7,8-HxCDF** (CAS Number: 60851-34-5)

Description/Comments: 2,3,4,6,7,8-hexachlorodibenzofuran
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.1)

■ **1,2,3,4,6,7,8-HpCDF** (CAS Number: 67562-39-4)

Description/Comments: 1,2,3,4,6,7,8-heptachlorodibenzofuran
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.01)

■ **1,2,3,4,7,8,9-HpCDF** (CAS Number: 55673-89-7)

Description/Comments: 1,2,3,4,7,8,9-heptachlorodibenzofuran
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.01)

■ **OCDF** (CAS Number: 39001-02-0)

Description/Comments: octachlorodibenzo[b,d]furan
Data source: ATP1 (Regulation (EU) 756/2010) to POPs Regulation (Regulation (EC) 850/2004)
Data source date: 24 Aug 2010
Hazard Statements: PCDD/PCDF (TEF=0.0003)

■ **petrol (gasoline) petroleum group**

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 1 H224 , Skin Irrit. 2 H315 , Muta. 1B H340 , Carc. 1B H350 , Repr. 2 H361d , STOT SE 3 H336 , Asp. Tox. 1 H304 , Aquatic Chronic 2 H411

■ **diesel petroleum group** (CAS Number: 68334-30-5, 68476-34-6, 94114-59-7, 1159170-26-9)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3 H226 , Skin Irrit. 2 H315 , Acute Tox. 4 H332 , Carc. 2 H351 , Asp. Tox. 1 H304 , STOT RE 2 H373 , Aquatic Chronic 2 H411

■ **heavy/residual fuel oils petroleum group**

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Muta. 1B H340 , Carc. 1B H350 , Acute Tox. 4 H332 , Repr. 2 H361d , STOT RE 2 H373 , Aquatic Chronic 2 H411

■ **crude oils petroleum group**

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 2 H225 , Carc. 1B H350 , Eye Irrit. 2 H319 , Asp. Tox. 1 H304 , STOT RE 2 H373 , STOT SE 3 H336 , Aquatic Chronic 2 H411

■ **kerosine petroleum group including kerosine (petroleum); kerosine (petroleum) hydrosulphurised; kerosine (petroleum) sweetened** (EC Number: 232-366-4; 265-184-9; 294-799-5, CAS Number: 8008-20-6; 64742-81-0; 91770-15-9)

Description/Comments: Review of ECHA Registered Substances database; Concawe report: hazard classification and labelling of petroleum substances in the European Economic Area - 2012; REACH compliant SDS from Total, Petrobras; Petrochem; Shell; ESS
Data source: <http://echa.europa.eu/information-on-chemicals/registered-substances>; Hazard classification and labelling of petroleum substances in the European Economic Area - 2012 (CONCAWE); SDS: company websites
Data source date: 21 Jan 2014
Hazard Statements: Flam. Liq. 3 H226 , Skin Irrit. 2 H315 , Asp. Tox. 1 H304 , Aquatic Chronic 2 H411



Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds (edit as required)

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass (edit as required)

copper {copper(II) oxide}

.

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case. Pigment cadmium sulphoselenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil. (edit as required)

zinc {zinc oxide}

.

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide] (edit as required)

chromium in chromium(VI) compounds {chromium(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments (edit as required)

boron {diboron trioxide; boric oxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass (edit as required)

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings (edit as required)

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics (edit as required)

manganese {manganese sulphate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

molybdenum {molybdenum(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2021.197.4823.9172 (16 Jul 2021)

HazWasteOnline Database: 2021.197.4823.9172 (16 Jul 2021)



This classification utilises the following guidance and legislation:

WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2019 - UK: 2019 No. 720 of 27th March 2019

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019

APPENDIX I: SOIL CLASSIFICATION TEST REPORT

Units 1 & 2
Deltic Place
Deltic Way
Knowsley Industrial Estate
Liverpool
L33 7BU

Telephone: (0151) 545 2750
Fax: (0151) 548 7892
Email: enquiries@ccgeotechnical.com
www.ccgeotechnical.com



LABORATORY REPORT

CONTRACT NUMBER: CCG-C-21-12319

CONTRACT TITLE: GREENES ROAD, WHISTON

CLIENT: BUILT GROUP LTD

DATE RECEIVED: 26/06/21
DATE COMMENCED: 30/06/21
DATE COMPLETED: 21/07/21
REPORT DATE: 21/07/21

Test Description	Qty
Determination of Moisture Content BS 1377-2:1990 (a)	8
Determination of Liquid & Plastic Limits BS 1377-2:1990 (a)	8

Notes: Observations and interpretations are not accredited by UKAS
All testing undertaken at laboratory permanent facilities
denotes non-accredited test
a denotes UKAS accredited test
s denotes test undertaken by approved subcontractor
Test results only relate to the samples tested

This report is issued in accordance with the requirements of the United Kingdom Accreditation Services and EN ISO/IEC 17025:2017. The results reported herein relate only to the material supplied to the laboratory. This report shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved Signatories: Chris Bolan (Managing Director) – Daniel Kerfoot (Laboratory Manager)

SUMMARY OF LABORATORY SOIL TEST RESULTS

BH / TP / WS Number	Sample Type	Depth From (m)	Depth To (m)	Moisture Content (%)	Bulk Density (Mg/m ³)	Dry Density (Mg/m ³)	Shear Strength (kN/m ²)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 0.425mm (%)	Soil Classification	UKAS accredited test (Y/N)	Description / Test Method Samples described in accordance with BS EN ISO 14688-2 2004
WS1	WS	1.50	1.50	34	-	-	-	37	18	19	99	CI	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subangular mudstone and coal. (BS1377Pt2:3.2,4,4,5)
WS1	WS	2.20	2.20	30	-	-	-	35	16	19	98	CL / CI	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subangular mudstone and coal. (BS1377Pt2:3.2,4,4,5)
WS2	WS	1.30	1.30	31	-	-	-	37	17	20	100	CI	Y	Greyish brown slightly sandy silty CLAY. (BS1377Pt2:3.2,4,4,5)
WS3	WS	1.50	1.50	34	-	-	-	38	18	20	100	CI	Y	Light brown slightly sandy silty CLAY. (BS1377Pt2:3.2,4,4,5)
WS3	WS	2.20	2.20	24	-	-	-	33	16	17	99	CL	Y	Greyish brown slightly sandy silty CLAY. (BS1377Pt2:3.2,4,4,5)
WS5	WS	0.90	0.90	23	-	-	-	34	16	18	94	CL	Y	Light brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subangular sandstone. (BS1377Pt2:3.2,4,4,5)
WS6	WS	1.20	1.20	25	-	-	-	32	16	16	96	CL	Y	Brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subangular mudstone and coal. (BS1377Pt2:3.2,4,4,5)
WS7	WS	1.10	1.10	20	-	-	-	30	15	15	96	CL	Y	Light brown slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium subangular sandstone. (BS1377Pt2:3.2,4,4,5)

SITE: GREENES ROAD, WHISTON (CCG-C-21-12319)
CLIENT: BUILT GROUP LTD

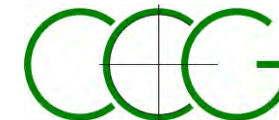
DATE: 21.07.21

Key:- BD = Bulk Disturbed; SD = Small Disturbed; U100 = Undisturbed 100mm; WS = Window Sample

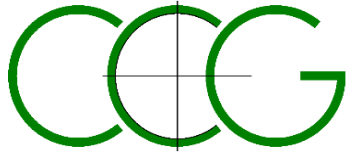
CL = Low Plasticity; CI = Intermediate; CH = High; CV = Very high; CE = Extremely high; NP = Non-plastic

(* Denotes Hand Shear Vane test result)

Sample description not accredited by UKAS



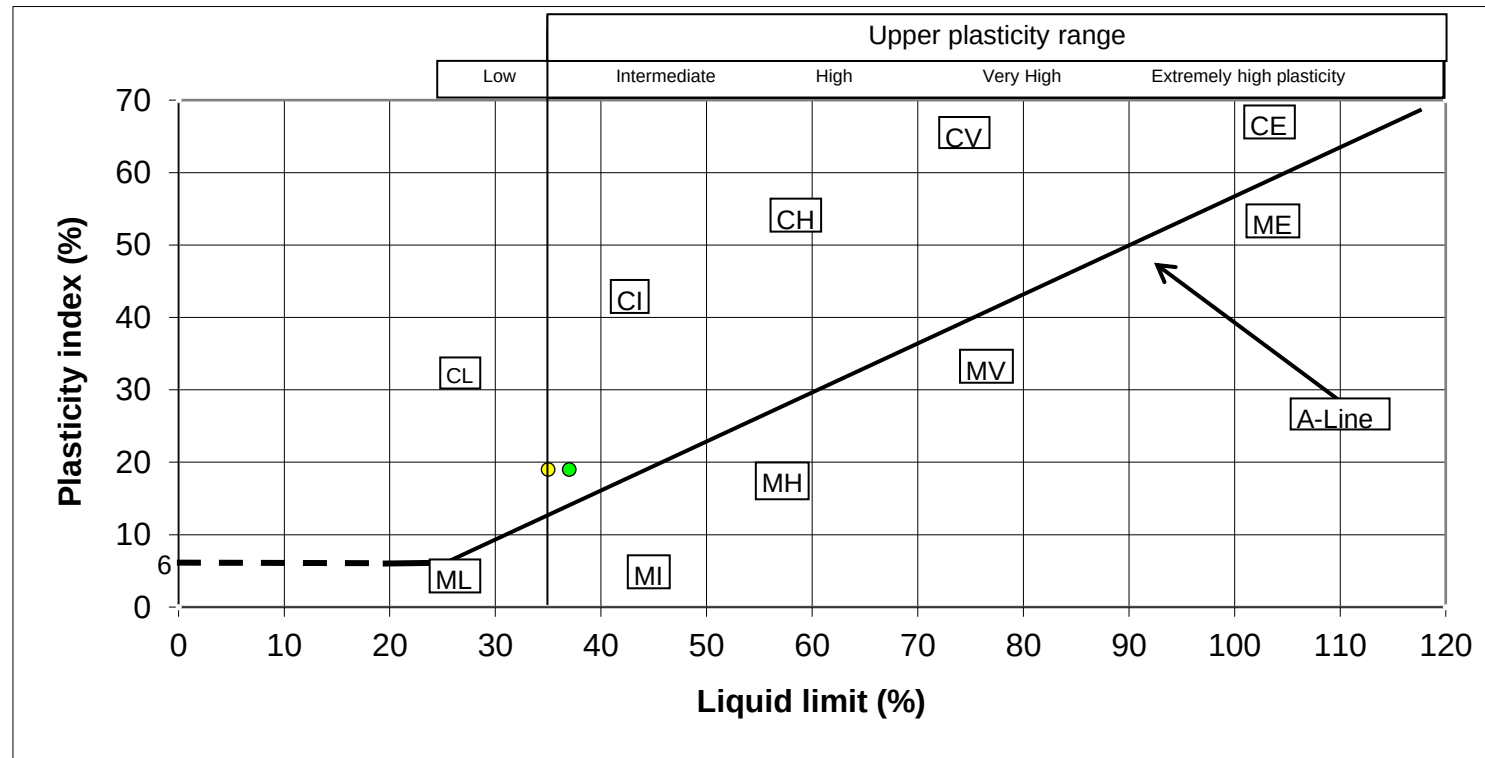
12319 RES.xls



ATTERBERG TEST RESULT SHEET

BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line, CLAY, C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample Depth	Liquid limit	Plasticity index
WS1	1.50	37.0	19.0
WS1	2.20	35.0	19.0

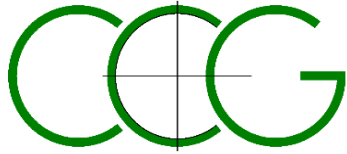


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APPROVED BY	DK
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CLIENT: BUILT GROUP LTD	SITE: GREENES ROAD, WHISTON (CCG-C-21-12319)
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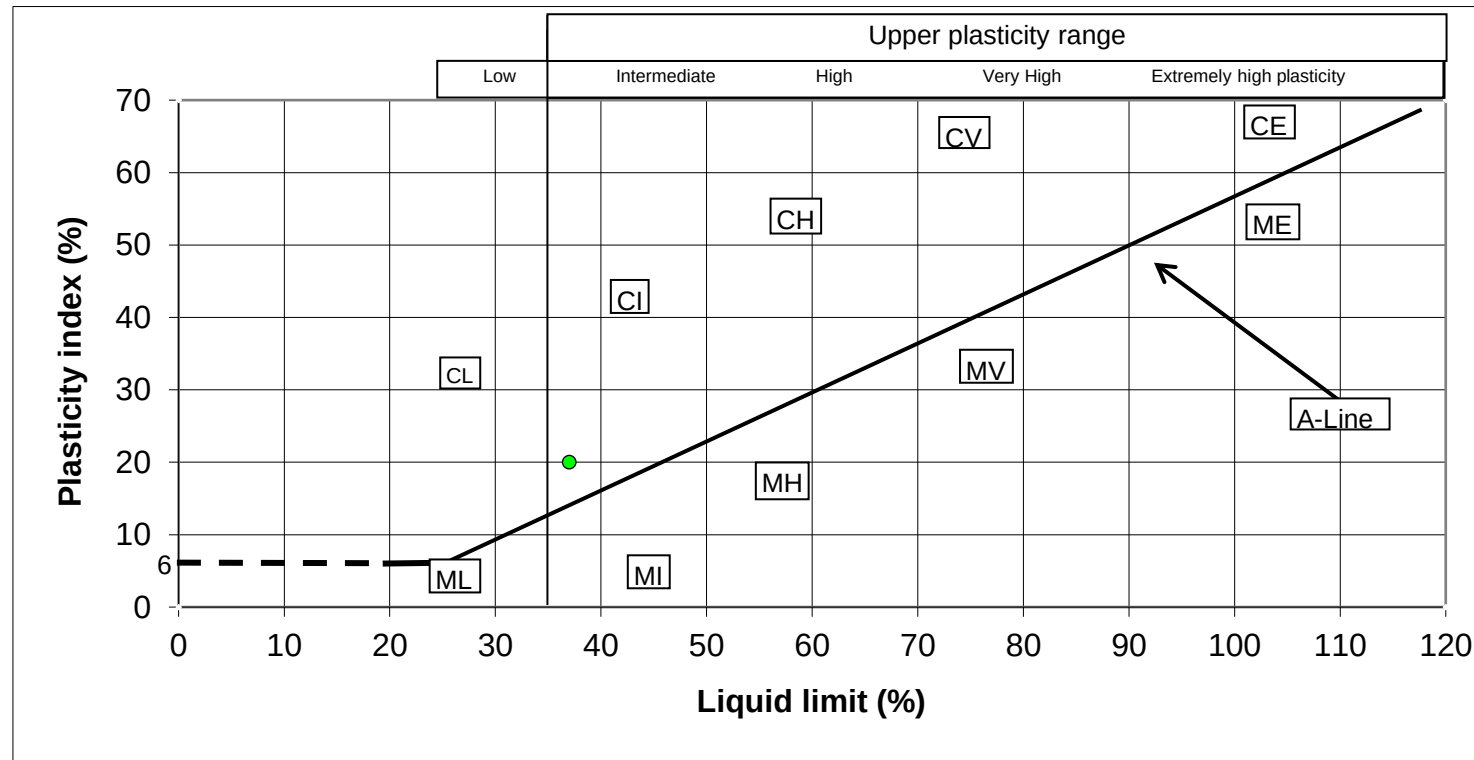
CCG-CMS-FO-204 Issue 2



ATTERBERG TEST RESULT SHEET

BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line , CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample Depth	Liquid limit	Plasticity index
WS2	1.30	37.0	20.0

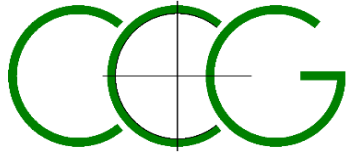


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APPROVED BY	DK
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CLIENT: BUILT GROUP LTD	SITE: GREENES ROAD, WHISTON (CCG-C-21-12319)
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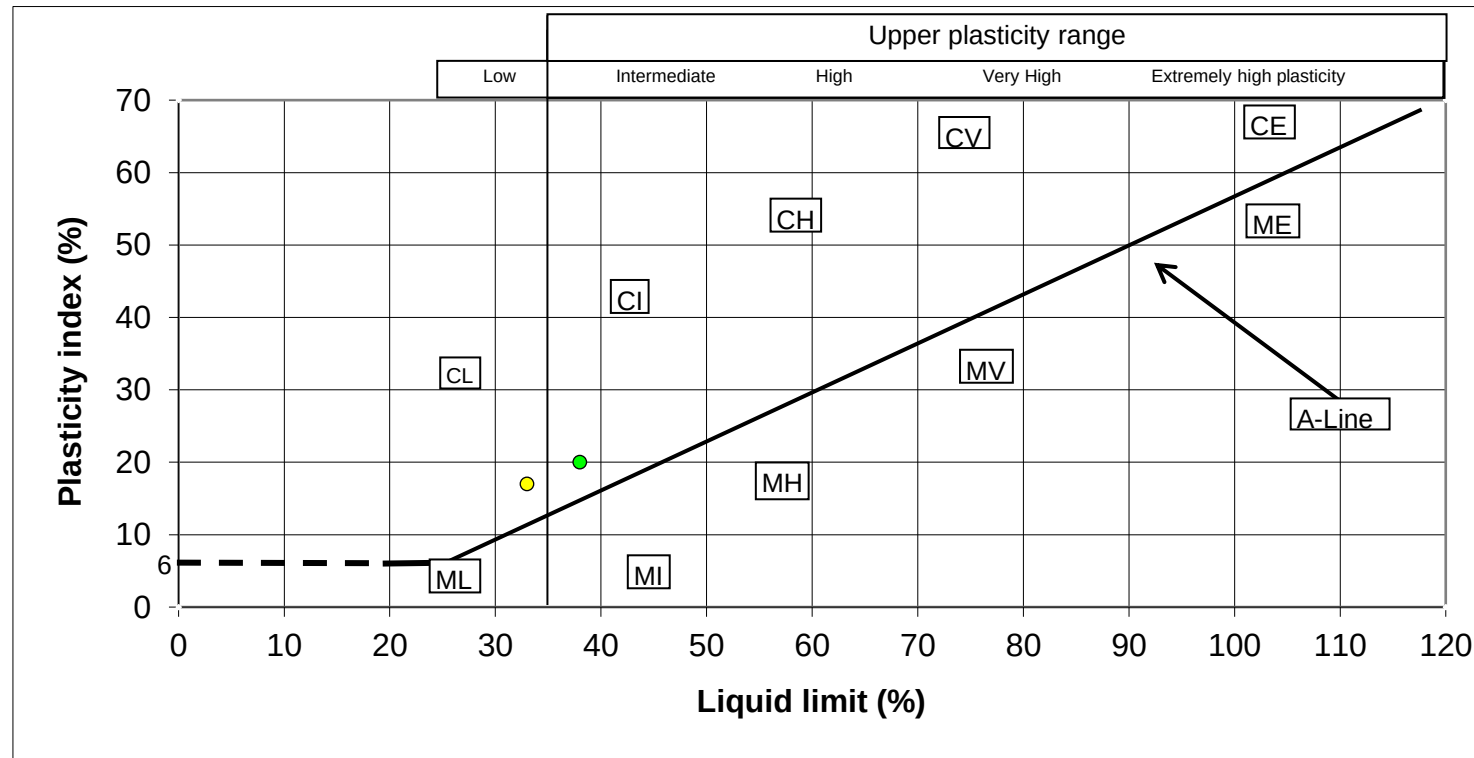
CCG-CMS-FO-204 Issue 2



ATTERBERG TEST RESULT SHEET

BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line , CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample Depth	Liquid limit	Plasticity index
WS3	1.50	38.0	20.0
WS3	2.20	33.0	17.0

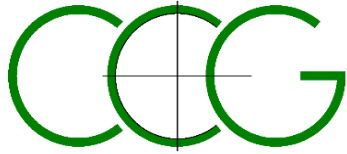


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CLIENT: BUILT GROUP LTD	SITE: GREENES ROAD, WHISTON (CCG-C-21-12319)
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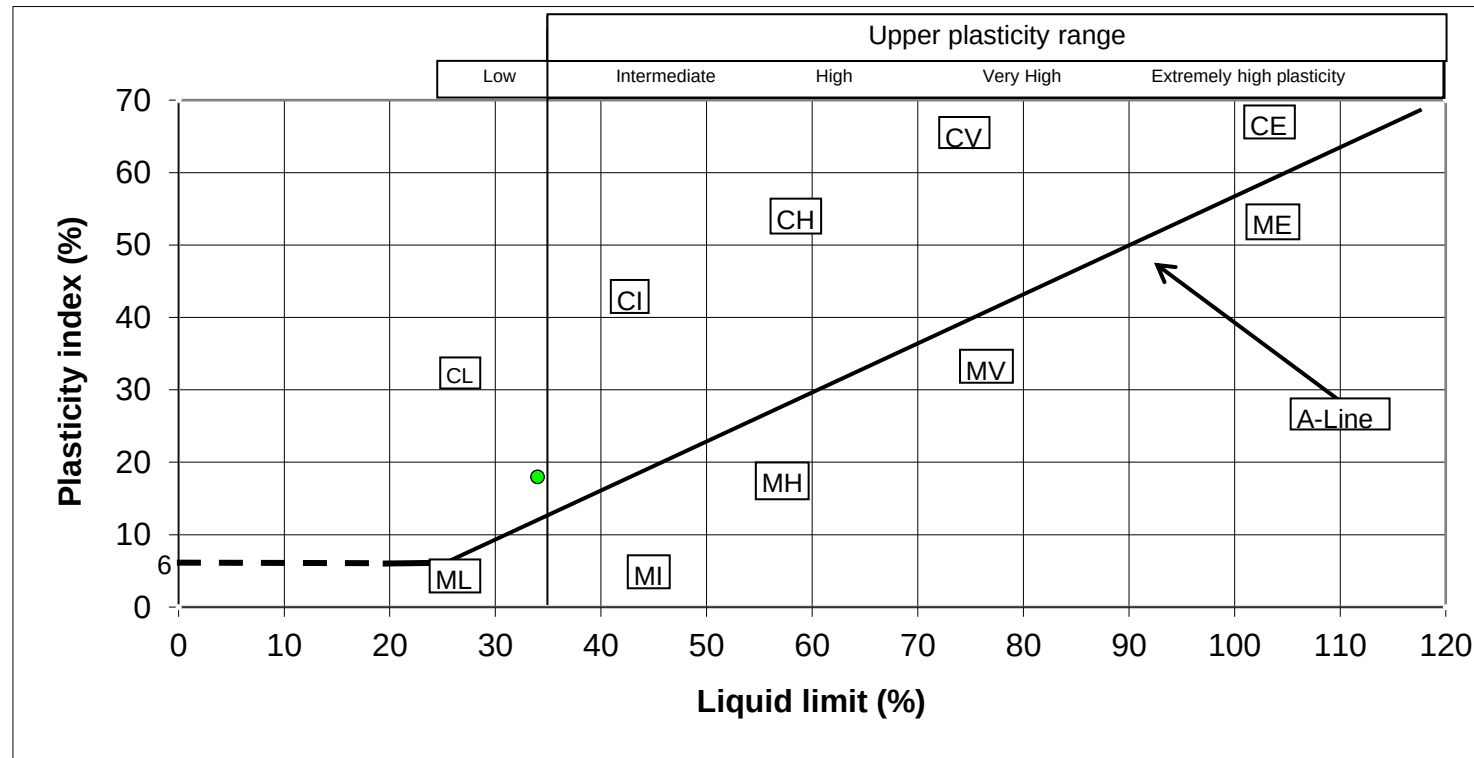
CCG-CMS-FO-204 Issue 2



ATTERBERG TEST RESULT SHEET

BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line , CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample Depth	Liquid limit	Plasticity index
WS5	0.90	34.0	18.0



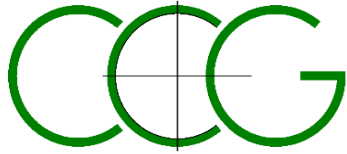
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APPROVED BY	DK
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CLIENT: BUILT GROUP LTD

SITE: GREENES ROAD, WHISTON (CCG-C-21-12319)

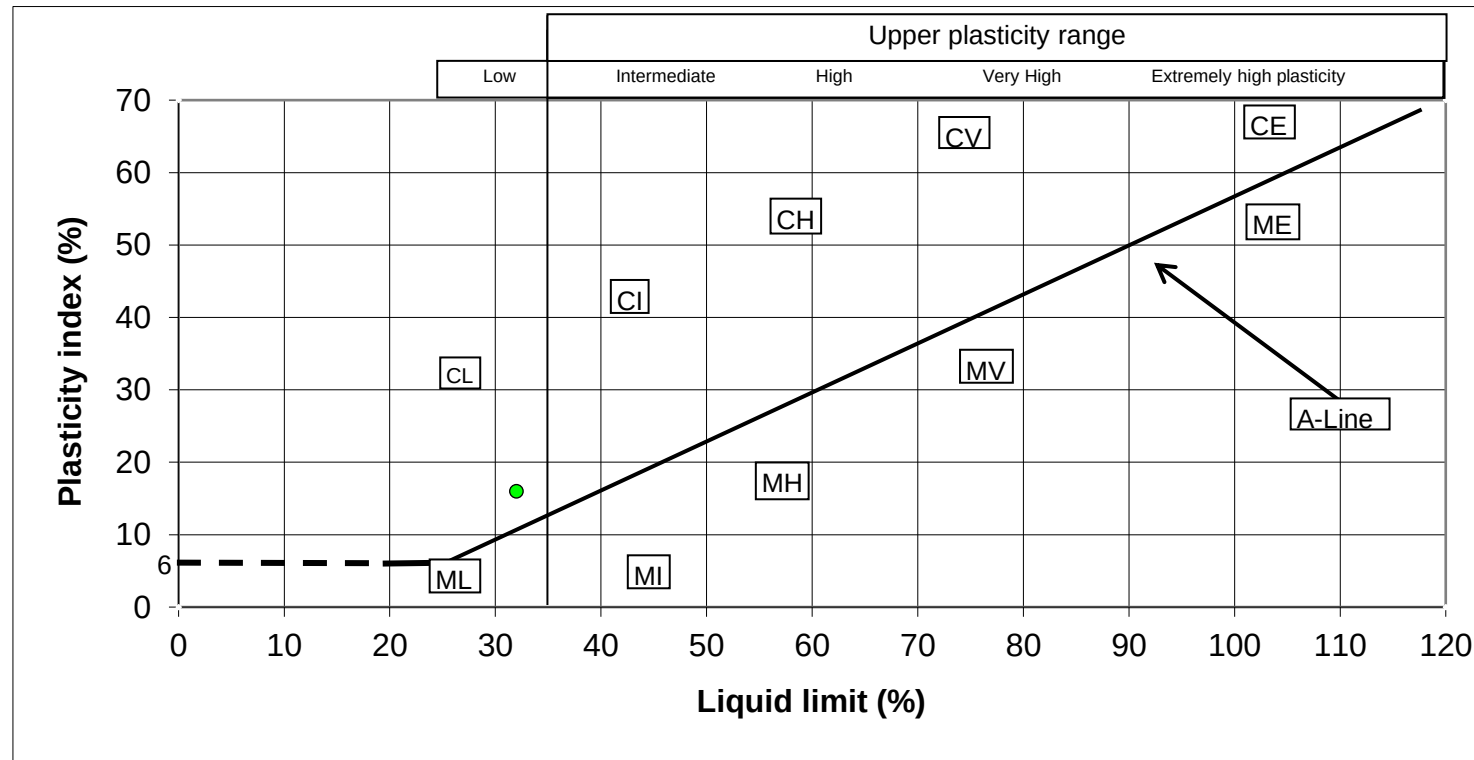
CCG-CMS-FO-204 Issue 2



ATTERBERG TEST RESULT SHEET

BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line , CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample Depth	Liquid limit	Plasticity index
WS6	1.20	32.0	16.0

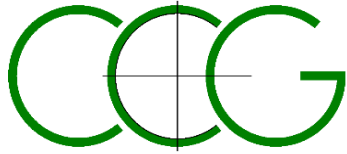


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APPROVED BY	DK
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CLIENT: BUILT GROUP LTD	SITE: GREENES ROAD, WHISTON (CCG-C-21-12319)
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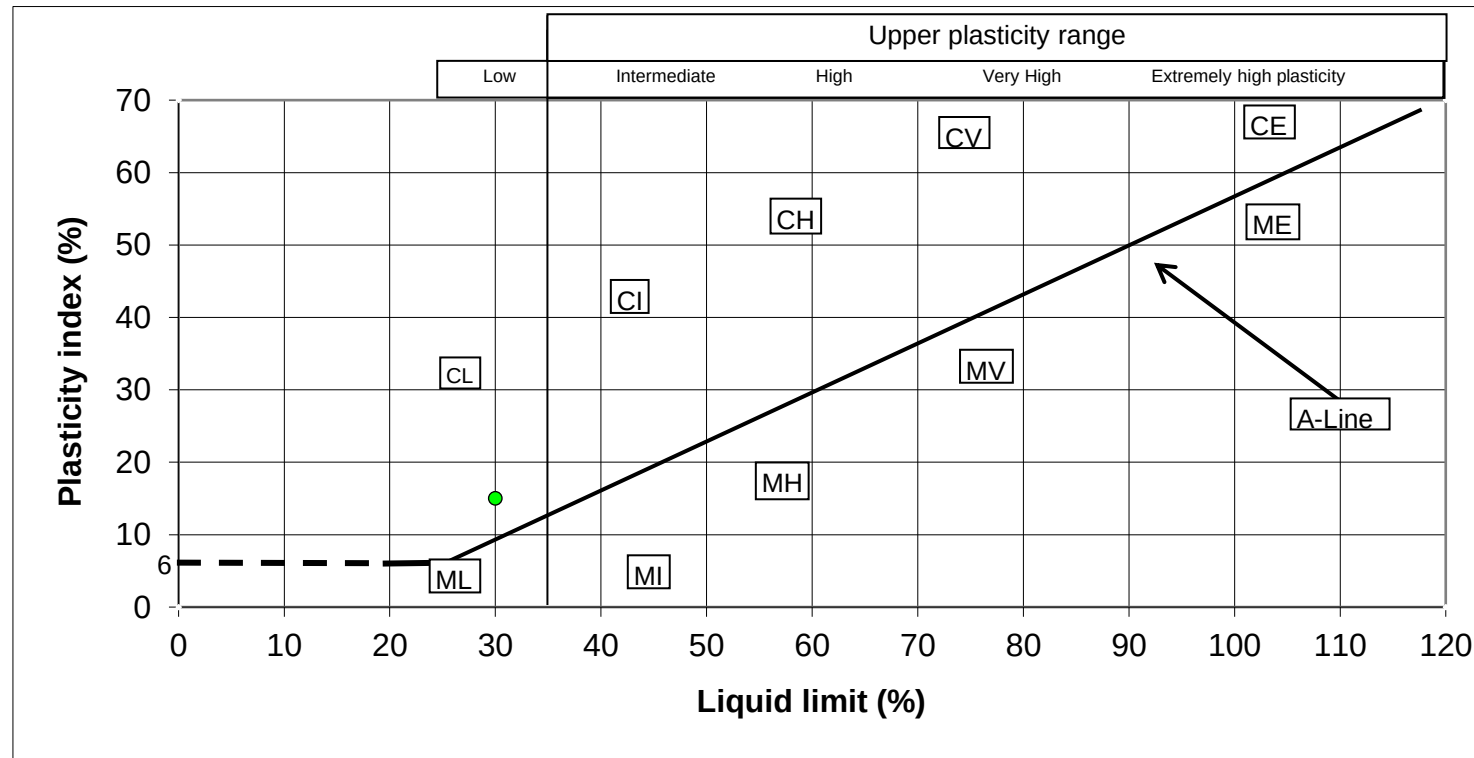
CCG-CMS-FO-204 Issue 2



ATTERBERG TEST RESULT SHEET

BS 1377:Part 2:1990:cl 4.4,5

SILT (M-SOIL), M plots below A-Line , CLAY,C, plots above A-Line, M and C may be combined as FINE SOIL, F.



BH	Sample Depth	Liquid limit	Plasticity index
WS7	1.10	30.0	15.0



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APPENDIX J: ENVIRONMENTAL DATA REPORT