



Unicat  
Low Road  
Earlsheaton  
Dewsbury  
West Yorkshire  
WF12 8BU

Tuesday, 17<sup>th</sup> March 2026

FAO: Mr Mark Stuckey

**Re: 26-01-07 - Mill Buildings, Little Royd Mills, Low Road, Earlsheaton, Dewsbury, West Yorkshire, WF12 8BU**

**Background:**

Demeter Environmental Ltd undertook a site investigation on the site in 2016.

Commercial buildings have since been constructed on the site. The purpose of the January 2026 trial pits were to determine if the sits soils can remain in place in the grassed area on the northern section of the site.

The site area that was investigated was specified by the client via email on the 15<sup>th</sup> January 2026. An aerial plan was marked up with a red hatched area. The hatched plan is attached.

**Site Investigation Works:**

Six hand dug trial pits were excavated on the subject site on the 28<sup>th</sup> January 2026. The site investigation layout and detailed trial pit section sheets; along with chemical analysis certificates are attached.

The trial pits were excavated to depths of 0.30mbgl and were terminated in grassed brown clayey topsoil.(MADE GROUND).

**Observed Geology:**

The observed geology was Brown TOPSOIL with brick, sandstone cobbles, flint, tiles and gravels of various lithologies (MADE GROUND) to 0.30mbgl. The solid geology was not proven.

**Chemical Testing:**

Five samples of soil were tested for a broad range suite. The samples were taken from each trial pit with the exclusion of TP103. TP103 was not subject to chemical testing as the soils were very similar to the other trial pits and five samples were considered sufficient to characterise this area of the site.

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**Demeter Environmental Ltd**  
Registered in England and Wales: 07010088  
VAT Registration Number: 158 1690 89



**Brighton Office:**  
The Offices  
57 Newtown Road  
Brighton  
East Sussex  
BN3 7BA  
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**Assessment of Soil Chemical Test Data:**

Five samples of made ground were subject to chemical analysis to a broad range suite, the chemical test certificate and assessment tables are attached, the results have been compared against assessment criteria for a commercial end use.

It can be seen that all results are below commercial thresholds.

**Conclusion**

Based on this the made ground on the site is suitable to be left in situ in the landscaped areas.

No further works are proposed.

Yours sincerely,

Despo Hadjikyriacou BEng(Hons) BSc(Hons) PGDip MInstP

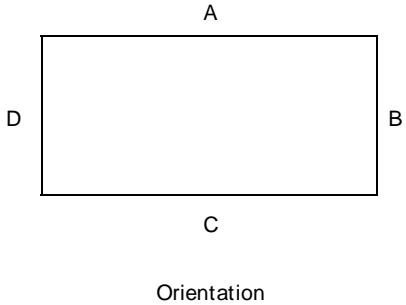

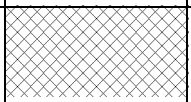
				<b>TRIAL PIT LOG</b>		TRIAL PIT NO. TP201		
						Sheet 1 of 1		
CLIENT Unicat				SITE Little Royd Mills				
DATE OF FIELDWORK 28/01/26-28/01/26		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 26-01-07	
PIT DIMENSIONS A/C : 0.50 B/D : 0.50		DEPTH	FACE A	FACE B	FACE C	FACE D		
ORIENTATION								
<p style="text-align: center;">Orientation</p>								
FACE AND POSITION LOGGED All								
SAMPLE AND TEST RECORD		DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH	
DEPTH	TYPE	RESULT	DEPTH					
0.20	JAR		0.30	Grassed brown clayey topsoil with brick, sandstone cobbles, flint, tiles and gravels of various lithologies.				
				TRIAL PIT TERMINATED - TOO HARD TO HAND DIG				
GROUNDWATER INFORMATION			EXCAVATION METHOD AND REMARKS					
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER		Hand dug			
NS			Trial pit dry					

				<b>TRIAL PIT LOG</b>		TRIAL PIT NO. TP202		
CLIENT Unicat				SITE Little Royd Mills				
DATE OF FIELDWORK 28/01/26-28/01/26		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 26-01-07	
PIT DIMENSIONS A/C : 0.50 B/D : 0.50			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION								
Orientation								
FACE AND POSITION LOGGED All								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
0.25	JAR		0.30	Grassed brown clayey topsoil with brick, sandstone cobbles, flint, tiles and gravels of various lithologies.				
				TRIAL PIT TERMINATED - TOO HARD TO HAND DIG				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Hand dug				
NS			Trial pit dry					

				<b>TRIAL PIT LOG</b>		TRIAL PIT NO. TP203		
						Sheet 1 of 1		
CLIENT Unicat				SITE Little Royd Mills				
DATE OF FIELDWORK 28/01/26-28/01/26		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 26-01-07	
PIT DIMENSIONS A/C : 0.50 B/D : 0.50		DEPTH	FACE A	FACE B	FACE C	FACE D		
ORIENTATION								
<p style="text-align: center;">Orientation</p>								
FACE AND POSITION LOGGED All								
SAMPLE AND TEST RECORD		DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH	
DEPTH	TYPE	RESULT	DEPTH					
0.20	JAR		0.30	Grassed brown clayey topsoil with brick, sandstone cobbles, flint, tiles, metal and gravels of various lithologies.				
				TRIAL PIT TERMINATED - TOO HARD TO HAND DIG				
GROUNDWATER INFORMATION			EXCAVATION METHOD AND REMARKS					
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER					
NS			Trial pit dry		Hand dug			

				<b>TRIAL PIT LOG</b>		TRIAL PIT NO. TP204	
						Sheet 1 of 1	
CLIENT Unicat				SITE Little Royd Mills			
DATE OF FIELDWORK 28/01/26-28/01/26		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 26-01-07
PIT DIMENSIONS A/C : 0.50 B/D : 0.50		DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION							
<p style="text-align: center;">Orientation</p>							
FACE AND POSITION LOGGED All							
SAMPLE AND TEST RECORD		DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT					
0.15	JAR		0.30	Grassed brown clayey topsoil with brick, sandstone cobbles, flint, tiles and gravels of various lithologies.			
				TRIAL PIT TERMINATED - TOO HARD TO HAND DIG			
GROUNDWATER INFORMATION			EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER		Hand dug		
NS			Trial pit dry				

				<b>TRIAL PIT LOG</b>		TRIAL PIT NO. TP205	
						Sheet 1 of 1	
CLIENT Unicat				SITE Little Royd Mills			
DATE OF FIELDWORK 28/01/26-28/01/26		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 26-01-07
PIT DIMENSIONS A/C : 0.50 B/D : 0.50		DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION							
FACE AND POSITION LOGGED All							
SAMPLE AND TEST RECORD		DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT					
0.25	JAR		0.30	Grassed brown clayey topsoil with brick, sandstone cobbles, flint, tiles and gravels of various lithologies.			
				TRIAL PIT TERMINATED - TOO HARD TO HAND DIG			
GROUNDWATER INFORMATION			EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER		Hand dug		
NS			Trial pit dry				

				<b>TRIAL PIT LOG</b>		TRIAL PIT NO. TP206	
CLIENT Unicat				SITE Little Royd Mills			
DATE OF FIELDWORK 28/01/26-28/01/26		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 26-01-07
PIT DIMENSIONS A/C : 0.50 B/D : 0.50			DEPTH	FACE A	FACE B	FACE C	FACE D
 <p style="text-align: center;">Orientation</p>							
FACE AND POSITION LOGGED All							
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)	STRATUM NO.	WATER DEPTH	
DEPTH	TYPE	RESULT					
0.25	JAR		0.30	Grassed brown clayey topsoil with brick, sandstone cobbles, flint, tiles and gravels of various lithologies.  TRIAL PIT TERMINATED - TOO HARD TO HAND DIG			
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS Hand dug			
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER				
NS			Trial pit dry				





The visibility of 3D buildings can be toggled in the basemap panel.

Basemap settings





## ANALYTICAL TEST REPORT

**Report Number** 26-01232, issue number 1  
**Contract name:** Little Royd Mills  
**Client reference:** Not Supplied  
**Clients name:** Demeter Environmental Ltd  
**Clients address:** DEMENV  
54 St James Street  
Liverpool  
L1 0AB  
**Samples received:** 03/02/2026  
**Analysis started:** 03/02/2026  
**Analysis completed:** 10/02/2026  
**Report issued:** 10/02/2026

**Key**  
U UKAS accredited test  
M MCERTS & UKAS accredited test  
(B) Analysis performed at Southampton Site  
I/S Insufficient sample to carry out test  
U/S Sample not suitable for testing  
NAD No Asbestos Detected  
Full key available on Information page

**Approved by:** Georgia Hunter  
Senior Reporting Administrator

## SAMPLE INFORMATION

**MCERTS (Soils):**

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.  
 % Moisture reported as MCERTS drying at 30°C

Lab ref	Sample ID	Depth (m)	Sample description	Material removed	% Removed	% Moisture
87435	TP201	-	Brown Loamy Clayey Sand with Gravel and Vegetation.	-	-	22.1
87436	TP202	-	Brown Loamy Clayey Sand with Gravel and Vegetation.	-	-	18.0
87437	TP204	-	Brown Loamy Clayey Sand with Gravel and Vegetation.	-	-	19.4
87438	TP205	-	Brown Loamy Clayey Sand with Gravel and Vegetation.	-	-	11.4
87439	TP206	-	Brown Loamy Clayey Sand with Gravel and Vegetation.	-	-	5.8

## SOILS

Lab Number					87435	87436	87437	87438	87439
Client Reference					SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID					TP201	TP202	TP204	TP205	TP206
Sampling Date					28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026
Test	Method	Accred	LoD	Units					
<b>Asbestos</b>									
Asbestos Identification	SUBCO N	SU	0	-	NAD	NAD	NAD	NAD	NAD
<b>Metals</b>									
Acid Soluble Sulphate (SO4)	CE062	M	0.01	%	0.50	0.26	0.29	0.09	0.09
Water Soluble Boron	CE063	N	0.5	mg/kg	0.98	0.79	0.79	1.02	1.15
Arsenic	CE264	U	1.8	mg/kg	22.0	16.0	26.3	18.8	10.9
Barium	CE264	U	1.9	mg/kg	151	138	166	164	140
Beryllium	CE264	M	0.2	mg/kg	1.4	1.0	1.4	1.4	0.8
Cadmium	CE264	M	1.6	mg/kg	3.0	2.0	2.7	2.6	2.1
Chromium	CE264	U	2	mg/kg	85.4	44.3	45.0	35.9	24.9
Copper	CE264	U	1.6	mg/kg	376	183	112	257	106
Lead	CE264	U	2.3	mg/kg	106	79.1	157	96.9	59.0
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	< 0.7	< 0.7	1.3
Molybdenum	CE264	U	1.6	mg/kg	50.2	5.4	7.1	5.6	3.2
Nickel	CE264	M	2.1	mg/kg	40.9	80.1	116	43.4	24.7
Selenium	CE264	U	3	mg/kg	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Thallium	CE264	N	6	mg/kg	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Vanadium	CE264	N	1.8	mg/kg	84.9	64.6	80.1	81.4	61.1
Zinc	CE264	M	4	mg/kg	560	205	215	258	226
<b>Colourimetric</b>									
Nitrate as N	CE261	N	2	mg/kg	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Water Soluble Chromium VI	CE263	N	0.04	mg/kg	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Water Soluble Sulphate	CE261	U	1.8	mg/l	1080	1110	431	155	216
Total Cyanide	CE077	N	1	mg/kg	12.3	34.8	1.5	< 1.0	< 1.0
Free Cyanide	CE077	N	1	mg/kg	< 1.0	1.2	< 1.0	< 1.0	< 1.0
Complex Cyanide	CE077	N	1	mg/kg	12.3	33.6	1.5	< 1.0	< 1.0
Total Sulphide	CE284	N	4	mg/kg	g < 4	g < 4	g < 4	g < 4	g < 4
<b>Combustion</b>									
Moisture Content	CE001	N	0.1	%	22.1	18.0	19.4	11.4	5.8
Soil Organic Matter	CE192	N	0.1	%	4.02	3.16	6.47	4.00	2.64
<b>Organics</b>									

## SOILS

Lab Number					87435	87436	87437	87438	87439
Client Reference					SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID					TP201	TP202	TP204	TP205	TP206
Sampling Date					28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026
Test	Method	Accred	LoD	Units					
Elemental Sulphur	CE034	M	10	mg/kg	43.9	38.7	291	20.3	< 10.0
<b>Polyaromatic hydrocarbons</b>									
Naphthalene	CE087	M	0.016	mg/kg	0.184	0.971	0.239	0.042	0.148
Acenaphthylene	CE087	M	0.015	mg/kg	0.039	0.130	0.075	< 0.015	0.070
Acenaphthene	CE087	M	0.013	mg/kg	0.106	0.341	0.206	0.025	0.101
Fluorene	CE087	U	0.013	mg/kg	0.099	0.292	0.176	0.023	0.141
Phenanthrene	CE087	M	0.014	mg/kg	0.964	3.34	1.88	0.234	1.12
Anthracene	CE087	U	0.017	mg/kg	0.240	1.24	0.616	0.091	0.351
Fluoranthene	CE087	M	0.017	mg/kg	1.57	5.38	3.23	0.551	1.52
Pyrene	CE087	M	0.016	mg/kg	1.43	4.57	2.90	0.502	1.35
Benzo(a)anthracene	CE087	U	0.012	mg/kg	0.830	2.65	1.81	0.333	0.731
Chrysene	CE087	M	0.028	mg/kg	0.746	2.32	1.53	0.277	0.630
Benzo(b)fluoranthene	CE087	M	0.02	mg/kg	1.05	2.72	2.29	0.369	0.869
Benzo(k)fluoranthene	CE087	M	0.025	mg/kg	0.427	1.09	0.938	0.167	0.357
Benzo(a)pyrene	CE087	U	0.019	mg/kg	0.899	2.37	2.17	0.350	0.820
Indeno(1,2,3-cd)pyrene	CE087	M	0.019	mg/kg	0.742	1.90	1.78	0.254	0.611
Dibenzo(a,h)anthracene	CE087	M	0.017	mg/kg	0.137	0.347	0.328	0.048	0.126
Benzo(g,h,i)perylene	CE087	M	0.019	mg/kg	0.571	1.37	1.44	0.190	0.480
Total PAH(16)	CE087	N	0.28	mg/kg	10.0	31.0	21.6	3.46	9.42
<b>BTEX</b>									
Benzene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE	CE267	N	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total BTEX	CE267	N	0.007	mg/kg	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
m,p-Xylene	CE267	U	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
oXylenes	CE267	U	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
<b>Total Petroleum Hydrocarbons</b>									
>C5-C6 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C6-C8 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C8-C10 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

## SOILS

Lab Number					87435	87436	87437	87438	87439
Client Reference					SOIL	SOIL	SOIL	SOIL	SOIL
Sample ID					TP201	TP202	TP204	TP205	TP206
Sampling Date					28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026
Test	Method	Accred	LoD	Units					
>C10-C12 Aliphatic (EH_2D_AL)	CE250	N	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic (EH_2D_AL)	CE250	N	0.5	mg/kg	0.9	0.7	2.2	0.7	0.6
>C16-C21 Aliphatic (EH_2D_AL)	CE250	N	0.7	mg/kg	1.2	0.9	3.9	0.9	1.0
>C21-C35 Aliphatic (EH_2D_AL)	CE250	N	4	mg/kg	5.9	5.8	91.4	6.5	13.2
>C35-C40 Aliphatic (EH_2D_AL)	CE250	N	0.5	mg/kg	0.6	0.6	22.6	0.7	3.1
>C5-C7 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C7-C8 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C8-C10 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C10-C12 Aromatic (EH_2D_AR)	CE250	N	0.6	mg/kg	2.4	2.3	8.8	2.1	1.8
>C12-C16 Aromatic (EH_2D_AR)	CE250	N	1	mg/kg	8.6	6.6	42.3	6.1	5.1
>C16-C21 Aromatic (EH_2D_AR)	CE250	N	2	mg/kg	20.1	11.9	112	11.2	7.8
>C21-C35 Aromatic (EH_2D_AR)	CE250	N	4.5	mg/kg	49.7	38.7	295	40.5	24.8
>C35-C40 Aromatic (EH_2D_AR)	CE250	N	1.5	mg/kg	6.5	5.6	55.2	6.9	3.7
>C5-C10 Total (HS_1D_Total)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C10-C40 Total (EH_2D_Total)	CE250	N	11.5	mg/kg	95.9	73.2	633	75.6	61.2
Total Hydrocarbons C5-C40 (HS_1D+EH_2D_Total)	CE250	N	11.5	mg/kg	95.9	73.2	633	75.6	61.2
<b>Wet Chem</b>									
pH	CE004	M	0.1	pH units	9.0	8.8	8.7	8.9	9.1

## METHOD DETAILS

<b>METHOD</b>	<b>TESTNAME</b>	<b>METHOD SUMMARY</b>	<b>ANALYSIS BASIS</b>
CE267	VPH in Soil	HS-GCFID	As submitted sample
CE250	GCXGC in Soil	DCM Extraction and GCxGC-FID	As submitted sample
SUBCON	Asbestos Soil	HSG248	Air Dried Sample
CE062	Acid Soluble Sulphate in Soils	HCl Extract and ICPOES	Air dried sample
CE063	Water soluble boron	ICPOES	Air dried sample
CE264	Metals by ICP in Soil	ICPOES	Air dried sample
CE267	BTEX in Soils	Analysis by HSGCFID	As submitted sample
CE261	Anions by Discrete Analyser in Soils	Gallery	Air dried sample
CE263	ChromiumVI by Discrete Analyser in Soil	Gallery	Air dried sample
CE087	PAH in Soil	DCM Extraction and GCMS	As submitted sample
CE034	Elemental Sulphur	HPLC UV	Air dried sample
CE077	Cyanides in Soils	Continuous Flow Analyser	As submitted sample
CE284	Sulphide By DA in Soil	Gallery Discrete Analyser	Air dried sample

## DEVIATING SAMPLE INFORMATION

### Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

### Key

- a Sampling date not provided
- b Sampling time not provided (waters only)
- c Sample not received in appropriate containers
- d Storage Temperature
- e Headspace present in sample container
- f Sample exceeded sampling to receipt
- g Sample exceeded holding time(s)

Lab ref	Sample ID	Depth (m)	Deviating	Tests (Reason for deviation)
87435	TP201	-	Y	Sulphide By DA in Soil(g)
87436	TP202	-	Y	Sulphide By DA in Soil(g)
87437	TP204	-	Y	Sulphide By DA in Soil(g)
87438	TP205	-	Y	Sulphide By DA in Soil(g)
87439	TP206	-	Y	Sulphide By DA in Soil(g)

## REPORT INFORMATION

Report No.:26-01232, issue number 1

### Key

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U	ISO17025 Accredited Result
M	ISO17025 and MCERTS Accredited Result
N	Do not currently hold accreditation
^	MCERTS accreditation not applicable for sample matrix
*	ISO17025 accreditation not applicable for sample matrix
S	Subcontracted
I/S	Insufficient Sample
U/S	Unsuitable sample
N/T	Not tested
<	Means "less than"
>	Means "greater than"

LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.

This report shall not be reproduced except in full, without prior written approval.

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

All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.

The results relate only to the sample received.

Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Moisture Content Calculated on a Wet Weight basis (at 30°C)

Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.

Where sampling was undertaken by Chemtech Environmental Limited it is outside the UKAS accreditation scope.

Methods, procedures and performance data are available on request.

Results reported herein relate only to the material supplied to the laboratory.

BTEX compounds are identified by retention time only and may include interference from co-eluting compounds.

For soils and solids, all results are reported on a dry basis (30°C). Samples dried at no more than 30°C in a drying cabinet.

For soils and solids, analytical results are inclusive of stones and 'inert' material, where applicable.

'Client Reference', 'Sample ID', 'Sample Location', 'Sample Type', 'Depth', 'Sample Date' and 'Sample Time' information is provided by the customer

### Sample Retention and Disposal

All soil samples will be retained for a period of 4 weeks from the point of receipt

All water samples will be retained for a period of 2 weeks from the point of Reporting

Charges may apply to extended sample storage

### TPH Classification - HWOL Acronym System

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HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
2D	GC-GC - Double coil gas chromatography
#1	EH_Total but with humics mathematically subtracted
#2	EH_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry

Unless specifically identified (noted as "(B)" in analyte name) all internal analysis performed at Durham site

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Determinand						Moisture Content	Free Cyanide	Total Cyanide	Complex Cyanide	Benzene	Ethylbenzene	m,p-Xylene	MTBE	oXylenes	Toluene	Total BTEX	>C5-C6 Aliphatic (HS_ID_AL)	>C6-C8 Aliphatic (HS_ID_AL)	>C8-C10 Aliphatic (HS_ID_AL)	>C5-C7 Aromatic (HS_ID_AR)	>C7-C8 Aromatic (HS_ID_AR)	
Buildings , Low Road, Earlsheaton, Dewsbury, West Yr						%	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						0.1	1	1	1	0.001	0.001	0.002	0.002	0.002	0.001	0.007	0.1	0.1	0.1	0.01	0.01	
End Use Scenario						ND	120	ND	1300	27	1	ND	7480	ND	869	ND	304	144	78	ND	869	
Assessment Criteria (mg/kg)						ND	Demeter	ND	Demeter	LQM S4UL	LQM S4UL	ND	<small>(LQM and BTEX methods)</small>	ND	LQM S4UL	ND	LQM S4UL	LQM S4UL	LQM S4UL	ND	LQM S4UL	
Source of Assessment Criteria						ND	Demeter	ND	Demeter	LQM S4UL	LQM S4UL	ND	<small>(LQM and BTEX methods)</small>	ND	LQM S4UL	ND	LQM S4UL	LQM S4UL	LQM S4UL	ND	LQM S4UL	
Sample Location	Sample Depth	Easting	Northing	Soil Matrix	Targeted / Non Targeted																	
TP201	0.30	0	0	Made Ground	Non Targeted	22.1	1.0	12.3	12.3	0.001	0.001	0.002	0.002	0.002	0.001	0.007	0.10	0.10	0.10	0.010	0.010	
TP202	0.25	0	0	Made Ground	Non Targeted	18	1.2	34.8	33.6	0.001	0.001	0.002	0.002	0.002	0.001	0.007	0.10	0.10	0.10	0.010	0.010	
TP203	0.20	0	0	Made Ground	Non Targeted																	
TP204	0.15	0	0	Made Ground	Non Targeted	19.4	1.0	1.5	1.5	0.001	0.001	0.002	0.002	0.002	0.001	0.007	0.10	0.10	0.10	0.010	0.010	
TP205	0.25	0	0	Made Ground	Non Targeted	11.4	1.0	1.0	1.0	0.001	0.001	0.002	0.002	0.002	0.001	0.007	0.10	0.10	0.10	0.010	0.010	
TP206	0.25	0	0	Made Ground	Non Targeted	5.8	1.0	1.0	1.0	0.001	0.001	0.002	0.002	0.002	0.001	0.007	0.10	0.10	0.10	0.010	0.010	

Buildings , Low Road, Earlsheaton, Dewsbury, West Yr						Units															
Determinand						>C8-C10 Aromatic (HS_1D_AR)	>C5-C10 Total (HS_1D_Total)	pH	>C10-C12 Aliphatic (EH_2D_AL)	>C10-C12 Aromatic (EH_2D_AR)	>C12-C16 Aliphatic (EH_2D_AL)	>C12-C16 Aromatic (EH_2D_AR)	>C16-C21 Aliphatic (EH_2D_AL)	>C16-C21 Aromatic (EH_2D_AR)	>C21-C35 Aliphatic (EH_2D_AL)	>C21-C35 Aromatic (EH_2D_AR)	>C35-C40 Aliphatic (EH_2D_AL)	>C35-C40 Aromatic (EH_2D_AR)	>C10-C40 Total (EH_2D_Total)	Total Hydrocarbons C5-C40 (HS_1D-H)	Naphthalene
Limit of Detection						0.01	0.1	0.1	1	0.6	0.5	1	0.7	2	4	4.5	0.5	1.5	11.5	11.5	0.016
End Use Scenario						613	ND	ND	48	364	24	169	ND	28000	ND	28000	1600000	28000	ND	ND	76.4
Assessment Criteria (mg/kg)						LQM S4UL	ND	ND	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	ND	LQM S4UL	ND	LQM S4UL	LQM S4UL	LQM S4UL	ND	ND	LQM S4UL
Source of Assessment Criteria																					
Sample Location	Sample Depth	Easting	Northing	Soil Matrix	Targeted / Non Targeted																
TP201	0.30	0	0	Made Ground	Non Targeted	0.010	0.10	9	1.0	2.4	0.9	8.6	1.2	20.1	5.9	49.7	0.6	6.5	95.9	95.9	0.184
TP202	0.25	0	0	Made Ground	Non Targeted	0.010	0.10	8.8	1.0	2.3	0.7	6.6	0.9	11.9	5.8	38.7	0.6	5.6	73.2	73.2	0.971
TP203	0.20	0	0	Made Ground	Non Targeted																
TP204	0.15	0	0	Made Ground	Non Targeted	0.010	0.10	8.7	1.0	8.8	2.2	42.3	3.9	112	91.4	295	22.6	55.2	633	633	0.239
TP205	0.25	0	0	Made Ground	Non Targeted	0.010	0.10	8.9	1.0	2.1	0.7	6.1	0.9	11.2	6.5	40.5	0.7	6.9	75.6	75.6	0.042
TP206	0.25	0	0	Made Ground	Non Targeted	0.010	0.10	9.1	1.0	1.8	0.6	5.1	1	7.8	13.2	24.8	3.1	3.7	61.2	61.2	0.148

Determinand					Acenaphthylene	Acenaphthene	Fluorene	Fluoranthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(e)pyrene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	Total PAH(16)	
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					0.015	0.013	0.013	0.014	0.017	0.017	0.016	0.012	0.028	0.02	0.025	0.019	0.019	0.017	0.019	0.019	0.28
End Use Scenario					Commercial																
Assessment Criteria (mg/kg)					86.1	57	30.9	22000	520000	23000	54000	170	350	44	1200	35	500	3.5	ND	ND	ND
Source of Assessment Criteria					LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	ND
Sample Location	Sample Depth	Easting	Northing	Soil Matrix	Targeted / Non Targeted																
TP201	0.30	0	0	Made Ground	Non Targeted	0.039	0.106	0.099	0.964	0.24	1.57	1.43	0.83	0.746	1.05	0.427	0.899	0.742	0.137	0.571	10
TP202	0.25	0	0	Made Ground	Non Targeted	0.13	0.341	0.292	3.34	1.24	5.38	4.57	2.65	2.32	2.72	1.09	2.37	1.9	0.347	1.37	31
TP203	0.20	0	0	Made Ground	Non Targeted																
TP204	0.15	0	0	Made Ground	Non Targeted	0.075	0.206	0.176	1.88	0.616	3.23	2.9	1.81	1.53	2.29	0.938	2.17	1.78	0.328	1.44	21.6
TP205	0.25	0	0	Made Ground	Non Targeted	0.015	0.025	0.023	0.234	0.091	0.551	0.502	0.333	0.277	0.369	0.167	0.35	0.254	0.048	0.19	3.46
TP206	0.25	0	0	Made Ground	Non Targeted	0.07	0.101	0.141	1.12	0.351	1.52	1.35	0.731	0.63	0.869	0.357	0.82	0.611	0.126	0.48	9.42

Determinand					Soil Organic Matter	Water Soluble Chromium VI	Nitrate as N	Water Soluble Sulphate	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Mercury	Molybdenum	Nickel	Lead	Thallium	Vanadium	
Buildings , Low Road, Earlsheaton, Dewsbury, West Yr					Units	%	mg/kg	mg/kg	mg/l	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					0.1	0.04	2	1.8	1.8	1.9	0.2	1.6	2	1.6	0.7	1.6	2.1	2.3	6	1.8	
End Use Scenario					ND	ND	ND	ND	640	22000	12	190	8600	68000	320	17000	980	2300	130	9000	
Assessment Criteria (mg/kg)					ND	ND	ND	ND	LQM S4UL	<small>(LQM and S4UL not defined)</small>	LQM S4UL	S4UL	LQM S4UL	LQM S4UL	LQM S4UL	<small>(LQM and S4UL not defined)</small>	LQM S4UL	LQM S4UL	Demeter	LQM S4UL	
Source of Assessment Criteria					ND	ND	ND	ND													
Sample Location	Sample Depth	Easting	Northing	Soil Matrix	Targeted / Non Targeted																
TP201	0.30	0	0	Made Ground	Non Targeted	4.02	0.040	2.00	1080	22	151	1.4	3	85.4	376	0.7	50.2	40.9	106	6.0	84.9
TP202	0.25	0	0	Made Ground	Non Targeted	3.16	0.040	2.00	1110	16	138	1	2	44.3	183	0.7	5.4	80.1	79.1	6.0	64.6
TP203	0.20	0	0	Made Ground	Non Targeted																
TP204	0.15	0	0	Made Ground	Non Targeted	6.47	0.040	2.00	431	26.3	166	1.4	2.7	45	112	0.7	7.1	116	157	6.0	80.1
TP205	0.25	0	0	Made Ground	Non Targeted	4	0.040	2.00	155	18.8	164	1.4	2.6	35.9	257	0.7	5.6	43.4	96.9	6.0	81.4
TP206	0.25	0	0	Made Ground	Non Targeted	2.64	0.040	2.00	216	10.9	140	0.8	2.1	24.9	106	1.3	3.2	24.7	59	6.0	61.1

Determinand						Acid Soluble Sulphate (SO4)	Selenium	Zinc	Total Sulphide	Water Soluble Boron	Elemental Sulphur	Asbestos Identification
Buildings, Low Road, Earlsheaton, Dewsbury, West Yr												
Units						%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Limit of Detection						0.01	3	4	4	0.5	10	0
End Use Scenario												
Assessment Criteria (mg/kg)						ND	12000	730000	ND	240000	ND	ND
Source of Assessment Criteria						ND	LQM S4UL	LQM S4UL	ND	LQM S4UL	ND	ND
Sample Location	Sample Depth	Easting	Northing	Soil Matrix	Targeted / Non Targeted							
TP201	0.30	0	0	Made Ground	Non Targeted	0.5	3.0	560	4	0.98	43.9	NAD
TP202	0.25	0	0	Made Ground	Non Targeted	0.26	3.0	205	4	0.79	38.7	NAD
TP203	0.20	0	0	Made Ground	Non Targeted							
TP204	0.15	0	0	Made Ground	Non Targeted	0.29	3.0	215	4	0.79	291	NAD
TP205	0.25	0	0	Made Ground	Non Targeted	0.09	3.0	258	4	1.02	20.3	NAD
TP206	0.25	0	0	Made Ground	Non Targeted	0.09	3.0	226	4	1.15	10.0	NAD