



Photo of hole with tape in place



Photographs

1 record

Photograph



Description

Plots 143-144

Hole ID	Plot 142
Plot No./Position	Plot 142
Date of Hole	23/05/2022, 10:29
Hole Type	HP
Final Depth	0.2

Ground Conditions

1 record

Top Depth	Base Depth	General description of stratum
0	0.2	Brown gravelly CLAY with occasional roots and rootlets

Samples

1 record

Top Depth	Base Depth	Sample type	Sample reference
0.15		ES	1

Pass/Fail

(X) Pass
() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Photographs

1 record

Photograph



Description

Plot 142

Hole ID	Plot 141
Plot No./Position	Plot 141
Date of Hole	23/05/2022, 10:31
Hole Type	HP
Final Depth	0.3

Ground Conditions

1 record

Top Depth	Base Depth	General description of stratum
0	0.3	Brown gravelly CLAY with occasional roots and rootlets

(X) Pass

Pass/Fail

() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Photographs

1 record

Photograph



Description

Plot 141

Approved By

 Fiona Goode

fiona.goode@gesl.net

APPENDIX C

Geochemical Laboratory 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: 22-40553

Issue: 1

Date of Issue: 20/05/2022

Contact: Fiona Goode

Customer Details: GESL
Unit 7
Danworth Farm
Hurstpierpoint
West Sussex BN6 9GL

Quotation No: Q22-02720

Order No: PO-5290

Customer Reference: GE19455

Date Received: 13/05/2022

Date Approved: 20/05/2022

Details: Woodcroft

Approved by: 

Mike Varley, General Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

This report may only be reproduced in full



Sample Summary

Report No.: 22-40553, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
278807	Plot 129 0.10	09/05/2022	13/05/2022	Silty loam	
278808	Plot 130 0.50	09/05/2022	13/05/2022	Silty loam	
278809	Plot 131 0.15	09/05/2022	13/05/2022	Silty loam	
278810	Plot 132 0.10	09/05/2022	13/05/2022	Silty loam	
278811	Plot 133 0.50	09/05/2022	13/05/2022	Silty clayey loam	

Results Summary

Report No.: 22-40553, issue number 1

ELAB Reference	278807	278808	278809	278810	278811
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	Plot 129	Plot 130	Plot 131	Plot 132	Plot 133
Sample Depth (m)	0.10	0.50	0.15	0.10	0.50
Sampling Date	09/05/2022	09/05/2022	09/05/2022	09/05/2022	09/05/2022

Determinand	Codes	Units	LOD					
Soil sample preparation parameters								
Moisture Content	N	%	0.1	12.6	12.0	14.0	16.3	13.1
Material removed	N	%	0.1	9.5	12.7	13.2	11.2	8.9
Description of Inert material removed	N		0	Stones	Stones	Stones	Stones	Stones
Metals								
Arsenic	M	mg/kg	1	8.0	7.6	7.6	8.4	12.7
Beryllium	U	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	1.1
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	21.9	21.6	24.2	23.6	38.1
Copper	M	mg/kg	5	16.3	13.7	16.8	13.7	20.5
Lead	M	mg/kg	5	26.8	23.1	23.2	25.8	18.4
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	15.6	13.6	14.8	15.6	28.5
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	M	mg/kg	5	34.2	31.8	33.9	36.0	55.8
Zinc	M	mg/kg	5	53.1	45.5	48.7	51.3	51.5
Anions								
Water Soluble Chloride	M	mg/kg	40	154	68	68	71	78
Water Soluble Sulphate	M	g/l	0.02	0.05	0.03	0.04	0.03	0.15
Inorganics								
Carbonate	N	%	0.1	1.9	n/t	n/t	n/t	n/t
Elemental Sulphur	M	mg/kg	20	< 20	< 20	< 20	< 20	< 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2	< 2	< 2	< 2	< 2
Total Cyanide	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Acid Soluble Sulphate (SO ₄)	U	%	0.02	0.03	0.03	0.04	0.04	0.05
Water Soluble Boron	N	mg/kg	0.5	0.5	0.6	0.6	0.6	< 0.5
Miscellaneous								
Electrical Conductivity (CaSO ₄ extract)	N	uS/cm	50	1920	n/t	n/t	n/t	n/t
Carbon Nitrogen Ratio	N	ratio	0.1	19.2513	n/t	n/t	n/t	n/t
Loss on Ignition	M	%	0.01	5.11	n/t	n/t	n/t	n/t
pH	M	pH units	0.1	7.5	7.3	7.4	7.3	7.7
Density	N	g/ml	0	1.18	n/t	n/t	n/t	n/t
Total Carbon	N	%	0.01	3.0	n/t	n/t	n/t	n/t
Total Organic Carbon	N	%	0.01	1.4	1.3	1.2	1.4	0.45
Total Nitrogen	N	%	0.01	0.15	n/t	n/t	n/t	n/t
Extractable Potassium	N	mg/l	20	200	n/t	n/t	n/t	n/t
Extractable Magnesium	N	mg/l	20	75	n/t	n/t	n/t	n/t
Extractable Phosphate	N	mg/l	1	63	n/t	n/t	n/t	n/t
Sand content	NS	%	1	to follow	n/t	n/t	n/t	n/t
Silt content	NS	%	1	to follow	n/t	n/t	n/t	n/t
Clay content	NS	%	1	to follow	n/t	n/t	n/t	n/t
Stones > 2mm	NS	%	1	to follow	n/t	n/t	n/t	n/t
Stones > 20mm	NS	%	1	to follow	n/t	n/t	n/t	n/t
Stones > 50mm	NS	%	1	to follow	n/t	n/t	n/t	n/t
Total Visible Contaminants	N	%	0.01	< 0.01	n/t	n/t	n/t	n/t
Plastics	N	%	0.01	< 0.01	n/t	n/t	n/t	n/t
Sharps	N	n/kg	0	0	n/t	n/t	n/t	n/t
Phenols								
Total Phenols	N	mg/kg	6	< 6	< 6	< 6	< 6	< 6



Results Summary

Report No.: 22-40553, issue number 1

ELAB Reference	278807	278808	278809	278810	278811
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	Plot 129	Plot 130	Plot 131	Plot 132	Plot 133
Sample Depth (m)	0.10	0.50	0.15	0.10	0.50
Sampling Date	09/05/2022	09/05/2022	09/05/2022	09/05/2022	09/05/2022
Determinand	Codes	Units	LOD		
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	< 0.1	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1
Pyrene	M	mg/kg	0.1	< 0.1	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1	< 0.1
Chrysene	M	mg/kg	0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	M	mg/kg	0.1	< 0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	< 0.4	< 0.4
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
MTBE	U	ug/kg	10	< 10.0	< 10.0
TPH CWG					
>C5-C6 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	< 0.01	< 0.01
>C6-C8 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	< 0.01	< 0.01
>C8-C10 Aliphatic (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	< 1.0	< 1.0
>C10-C12 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0
>C12-C16 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0
>C16-C21 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0
>C21-C35 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0
>C35-C40 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0
Total aliphatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	< 1.0	< 1.0
>C5-C7 Aromatic (HS_1D_MS)	N	mg/kg	0.01	< 0.01	< 0.01
>C7-C8 Aromatic (HS_1D_MS)	N	mg/kg	0.01	< 0.01	< 0.01
>C8-C10 Aromatic (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	< 1.0	< 1.0
>C10-C12 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0
>C12-C16 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0
>C16-C21 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0
>C21-C35 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0
>C35-C40 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0
Total aromatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	< 1.0	< 1.0
Total petroleum hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_Total)	N	mg/kg	1	< 1.0	< 1.0



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.: 22-40553, 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 (%)
278807	0.10	Plot 129	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
278808	0.50	Plot 130	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
278809	0.15	Plot 131	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
278810	0.10	Plot 132	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
278811	0.50	Plot 133	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 22-40553, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid neutralisation capacity	N	Air dried sample	20/05/2022		
Extractable cations - BS3882	N	Air dried sample	20/05/2022		ICPMS
Visible Contaminants	N		17/05/2022		
Sulphide	N	As submitted sample	17/05/2022	109	Colorimetry
Hexavalent chromium	N	As submitted sample	17/05/2022	110	Colorimetry
pH	M	Air dried sample	19/05/2022	113	Electromeric
Electrical conductivity of soil	N	Air dried sample.	20/05/2022	114	Electromeric
Acid Soluble Sulphate	U	Air dried sample	20/05/2022	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	18/05/2022	118	ICPMS
Phenols in solids	N	As submitted sample	17/05/2022	121	HPLC
Elemental Sulphur	M	Air dried sample	18/05/2022	122	HPLC
Loss on ignition at 450 deg C	M	Air dried sample	19/05/2022	129	Gravimetry
PAH (GC-FID)	M	As submitted sample	17/05/2022	133	GC-FID
Extr. Phos	N	Air dried sample	20/05/2022	140	ICPMS
Water soluble anions	M	Air dried sample	18/05/2022	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	20/05/2022	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	20/05/2022	181	GC-MS
BTEX in solids	M	As submitted sample	20/05/2022	181A	GC-MS
Water soluble boron	N	Air dried sample	18/05/2022	202	Colorimetry
Total cyanide	M	As submitted sample	19/05/2022	204	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	18/05/2022	210	IR
TPH CWG soil by gc-gc	M	As submitted sample	16/05/2022	271	
Asbestos identification	U	Air dried sample	20/05/2022	280	Microscopy

Tests marked N are not UKAS accredited

Report Information

Report No.: 22-40553, 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

TPH Classification - HWOL Acronym System

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



2683



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: 22-40849

Issue: 1

Date of Issue: 31/05/2022

Contact: Fiona Goode

Customer Details: GESL
Unit 7
Danworth Farm
Hurstpierpoint
West Sussex BN6 9GL

Quotation No: Q22-02720

Order No: PO-5344

Customer Reference: GE19455

Date Received: 25/05/2022

Date Approved: 31/05/2022

Details: Woodcroft

Approved by: 

Mike Varley, General Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

This report may only be reproduced in full



Sample Summary

Report No.: 22-40849, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
280804	Plot 133	23/05/2022	25/05/2022	Silty loam	
280805	Plot 135	23/05/2022	25/05/2022	Silty loam	
280806	Plot 142	23/05/2022	25/05/2022	Silty loam	
280807	Plot 144	23/05/2022	25/05/2022	Silty loam	

Results Summary

Report No.: 22-40849, issue number 1

ELAB Reference	280804	280805	280806	280807
Customer Reference				
Sample ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sample Location	Plot 133	Plot 135	Plot 142	Plot 144
Sample Depth (m)				
Sampling Date	23/05/2022	23/05/2022	23/05/2022	23/05/2022

Determinand	Codes	Units	LOD				
Soil sample preparation parameters							
Moisture Content	N	%	0.1	10.7	11.2	9.5	10.7
Material removed	N	%	0.1	11.9	8.6	13.3	12.6
Description of Inert material removed	N		0	Stones	Stones	Stones	Stones
Metals							
Arsenic	M	mg/kg	1	7.5	6.3	6.6	7.2
Beryllium	U	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Cadmium	M	mg/kg	0.5	3.6	3.5	3.5	3.5
Chromium	M	mg/kg	5	17.2	15.8	17.0	20.9
Copper	M	mg/kg	5	11.4	12.7	10.4	11.5
Lead	M	mg/kg	5	21.1	19.0	19.7	20.0
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	11.9	10.8	11.3	12.4
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	M	mg/kg	5	28.2	26.3	27.8	27.9
Zinc	M	mg/kg	5	38.9	37.5	38.6	41.0
Anions							
Water Soluble Chloride	M	mg/kg	40	44	< 40	< 40	< 40
Water Soluble Sulphate	M	g/l	0.02	0.04	0.04	0.04	0.03
Inorganics							
Elemental Sulphur	M	mg/kg	20	< 20	< 20	< 20	< 20
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
Total Cyanide	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	0.02	0.02	0.03	0.03
Water Soluble Boron	N	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5



Results Summary

Report No.: 22-40849, issue number 1

ELAB Reference	280804	280805	280806	280807
Customer Reference				
Sample ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sample Location	Plot 133	Plot 135	Plot 142	Plot 144
Sample Depth (m)				
Sampling Date	23/05/2022	23/05/2022	23/05/2022	23/05/2022

Determinand	Codes	Units	LOD				
Miscellaneous							
pH	M	pH units	0.1	7.7	7.7	7.4	7.3
Total Organic Carbon	N	%	0.01	1.2	1.2	1.3	2.1
Phenols							
Total Phenols	N	mg/kg	6	< 6	< 6	< 6	< 6
Polyaromatic hydrocarbons							
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	< 0.4	< 0.4	< 0.4	< 0.4



Results Summary

Report No.: 22-40849, issue number 1

ELAB Reference	280804	280805	280806	280807
Customer Reference				
Sample ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sample Location	Plot 133	Plot 135	Plot 142	Plot 144
Sample Depth (m)				
Sampling Date	23/05/2022	23/05/2022	23/05/2022	23/05/2022

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
MTBE	U	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
TPH CWG							
>C5-C6 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic (EH_2D_AL)	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic (EH_2D_AL)	M	mg/kg	1	8.3	< 1.0	< 1.0	< 1.0
>C35-C40 Aliphatic (EH_2D_AL)	M	mg/kg	1	1.8	< 1.0	< 1.0	< 1.0
Total aliphatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AL)	N	mg/kg	1	10.5	< 1.0	< 1.0	< 1.0
>C5-C7 Aromatic (HS_1D_MS)	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic (HS_1D_MS)	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C21-C35 Aromatic (EH_2D_AR)	M	mg/kg	1	2.6	< 1.0	< 1.0	< 1.0
>C35-C40 Aromatic (EH_2D_AR)	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Total aromatic hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_AR)	N	mg/kg	1	4.2	< 1.0	< 1.0	< 1.0
Total petroleum hydrocarbons (>C5 - C40) (HS_1D_MS+EH_2D_Total)	N	mg/kg	1	14.7	< 1.0	< 1.0	< 1.0



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.: 22-40849, 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 (%)
280804		Plot 133	Brown soil, stones,clinker	No asbestos detected	n/t	n/t	n/t	n/t
280805		Plot 135	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
280806		Plot 142	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
280807		Plot 144	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 22-40849, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	27/05/2022	109	Colorimetry
Hexavalent chromium	N	As submitted sample	26/05/2022	110	Colorimetry
pH	M	Air dried sample	30/05/2022	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	30/05/2022	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	30/05/2022	118	ICPMS
Phenols in solids	N	As submitted sample	26/05/2022	121	HPLC
Elemental Sulphur	M	Air dried sample	30/05/2022	122	HPLC
PAH (GC-FID)	M	As submitted sample	26/05/2022	133	GC-FID
Water soluble anions	M	Air dried sample	29/05/2022	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	30/05/2022	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	30/05/2022	181	GC-MS
BTEX in solids	M	As submitted sample	30/05/2022	181A	GC-MS
Water soluble boron	N	Air dried sample	30/05/2022	202	Colorimetry
Total cyanide	M	As submitted sample	26/05/2022	204	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	27/05/2022	210	IR
TPH CWG soil by gc-gc	M	As submitted sample	26/05/2022	271	
Asbestos identification	U	Air dried sample	30/05/2022	280	Microscopy

Tests marked N are not UKAS accredited

Report Information

Report No.: 22-40849, 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

TPH Classification - HWOL Acronym System

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