



Photo of hole with tape in place



Hole ID HP4

Plot No./Position HP4

Date of Hole 07/09/2021, 13:46

Hole Type HP

Final Depth 0.6

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.2	Dark brown clayey sandy SILT. Sand is fine to medium.
0.2	0.6	Dark brown to black sandy gravelly silty CLAY with frequent rootlets. Sand is fine to medium. Gravel is fine to medium subangular to subrounded.

Samples

(2 records)

Top Depth	Base Depth	Sample type	Sample reference
0.1	0.1	ES	1
0.55	0.55	ES	2

Pass/Fail

(X) Pass

() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Hole ID	HP3
Plot No./Position	HP3
Date of Hole	07/09/2021, 14:10
Hole Type	HP
Final Depth	0.5

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.15	Dark brown clayey sandy SILT. Sand is fine to medium.
0.15	0.5	Dark brown sandy gravelly silty CLAY with frequent rootlets. Sand is fine to medium. Gravel is fine to medium subangular to subrounded.

Samples

(2 records)

Top Depth	Base Depth	Sample type	Sample reference
0.1	0.1	ES	1
0.45	0.45	ES	2

Pass/Fail

(X) Pass

() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Hole ID	HP5
Plot No./Position	HP5
Date of Hole	07/09/2021, 14:19
Hole Type	HP
Final Depth	0.6

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.15	Dark brown clayey sandy SILT. Sand is fine to medium
0.15	0.6	Dark brown sandy gravelly CLAY with frequent rootlets. Sand is fine to medium. Gravel is fine to medium subangular to subrounded.

Samples

(2 records)

Top Depth	Base Depth	Sample type	Sample reference
0.1		ES	1
0.5		ES	2

Pass/Fail

(X) Pass

() Fail

Remarks

Photo of Spoil

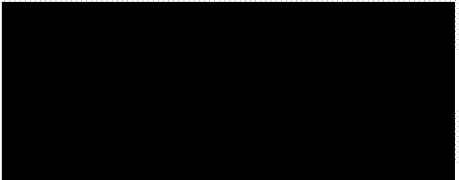


Photo of hole with tape in place



Approved By

No users

ID	GE18103
Project Name	Cornfield
Client	Thakeham
Engineers	
 Thomas Morgan	
Project Manager	
 Fiona Goode	
Location	Littlehampton
Date	14/09/2021

Details of Hole

(5 records)

Hole ID	HP7
Plot No./Position	Sub station
Date of Hole	14/09/2021, 14:42
Hole Type	HP
Final Depth	0.45

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.15	Black sandy SILT with frequent rootlets. Sand is fine to medium.
0.15	0.45	Soft orangish brown sandy gravelly CLAY with frequent rootlets. Sand is fine to medium. Gravel is fine to coarse angular to subrounded.

Samples

(2 records)

Top Depth	Base Depth	Sample type	Sample reference
0.1		ES	1
0.45		ES	2

Pass/Fail (X) Pass
() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Hole ID	HP9
Plot No./Position	Old compound
Date of Hole	14/09/2021, 14:54
Hole Type	HP
Final Depth	0.55

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.15	Brown slightly sandy SILT with frequent to occasional rootlets.
0.15	0.55	Orangish brown sandy gravelly CLAY with frequent rootlets. Sand is fine to medium. Gravel is fine to coarse angular to subrounded.

Samples

(2 records)

Top Depth	Base Depth	Sample type	Sample reference
0.1		ES	1
0.55		ES	2

Pass/Fail

(X) Pass

() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Hole ID HP10

Plot No./Position Old compound

Date of Hole 14/09/2021, 15:03

Hole Type HP

Final Depth 0.45

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.15	Brown slightly sandy SILT with frequent to occasional rootlets.
0.15	0.45	Orangish brown sandy gravelly CLAY with frequent rootlets. Sand is fine to medium. Gravel is fine to coarse angular to subrounded.

Samples

(2 records)

Top Depth	Base Depth	Sample type	Sample reference
0.1		ES	1
0.45		ES	2

Pass/Fail

(X) Pass
() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Hole ID	HP13
Plot No./Position	Rear of ap. Block
Date of Hole	14/09/2021, 15:18
Hole Type	HP
Final Depth	0.7

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.2	Soft dark brown slightly sandy silty CLAY with frequent rootlets.
0.2	0.7	Orangish brown sandy gravelly CLAY with frequent rootlets.

Samples

(2 records)

Top Depth	Base Depth	Sample type	Sample reference
0.1		ES	1
0.6		ES	2

Pass/Fail

(X) Pass

() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



Hole ID	HP12
Plot No./Position	Rear of ap. Block
Date of Hole	14/09/2021, 15:25
Hole Type	HP
Final Depth	0.8

Ground Conditions

(2 records)

Top Depth	Base Depth	General description of stratum
0	0.3	Soft dark brown slightly sandy silty CLAY with frequent rootlets.
0.3	0.8	Orangish brown sandy gravelly CLAY with frequent rootlets.

Samples

(2 records)

Top Depth	Base Depth	Sample type	Sample reference
0.1		ES	1
0.7		ES	2

Pass/Fail

(X) Pass

() Fail

Remarks

Photo of Spoil



Photo of hole with tape in place



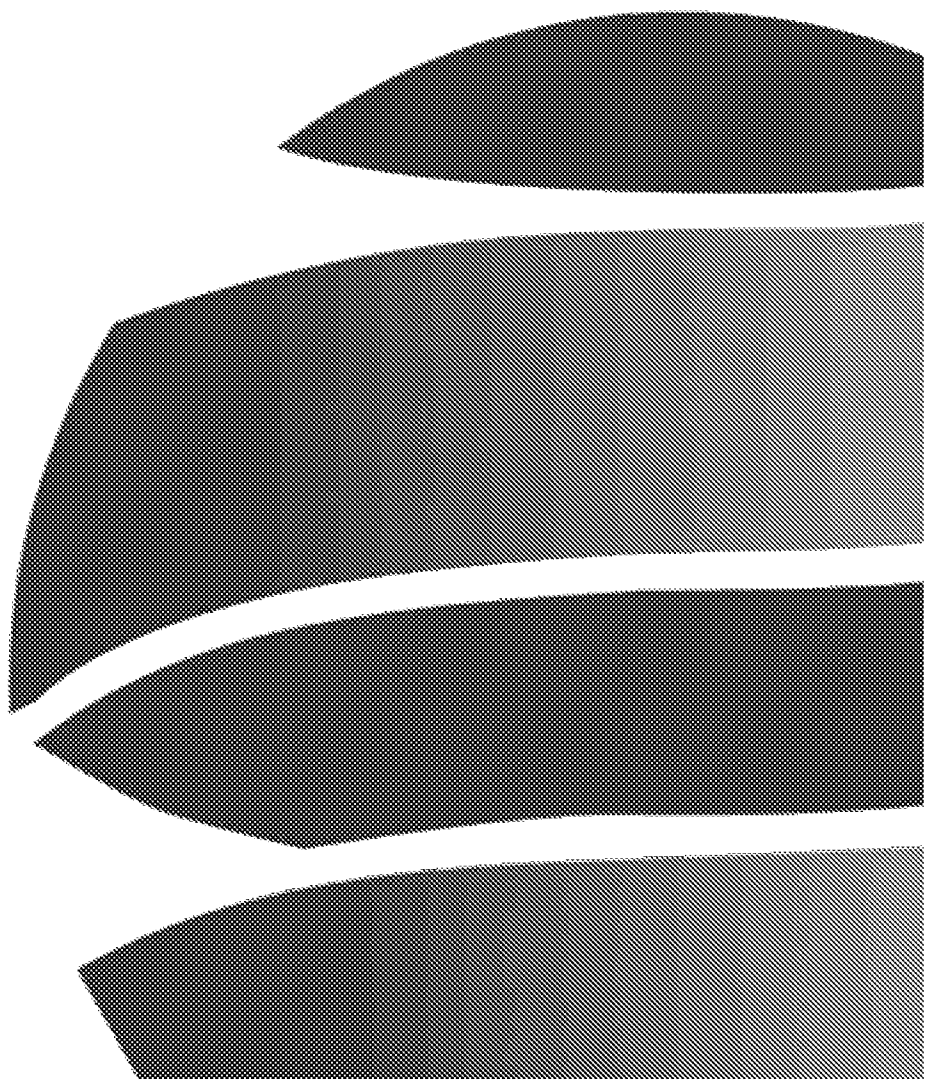
Approved By

No users



APPENDIX F

Geochemical Laboratory Results





2683



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

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-35991

Issue: Preliminary Report

Date of Issue: 21/09/2021

Contact: Fiona Goode

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

Quotation No: Q19-01488

Order No: PO-4461

Customer Reference: GE18103

Date Received: 16/09/2021

Date Approved: Not Approved

Details: Cornfield Close

Approved by:

Mike Varley, Technical Manager

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

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Sample Summary

Report No.: 21-35991, issue number 0

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
251014	HP7 0.10	14/09/2021	16/09/2021	Silty loam	
251015	HP7 0.45	14/09/2021	16/09/2021	Silty clayey loam	
251016	HP9 0.10	14/09/2021	16/09/2021	Silty loam	
251017	HP9 0.55	14/09/2021	16/09/2021	Silty loam	
251018	HP10 0.10	14/09/2021	16/09/2021	Silty loam	
251019	HP10 0.45	14/09/2021	16/09/2021		
251020	HP12 0.30	14/09/2021	16/09/2021	Silty loam	
251021	HP12 0.80	14/09/2021	16/09/2021	Silty clayey loam	
251022	HP13 0.20	14/09/2021	16/09/2021	Silty loam	
251023	HP13 0.70	14/09/2021	16/09/2021	Silty clayey loam	

Results Summary

Report No.: 21-35991, issue number 0

ELAB Reference				251014	251015	251016	251017	251018	251020	251021	251022
Customer Reference											
Sample ID											
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				HP7	HP7	HP9	HP9	HP10	HP12	HP12	HP13
Sample Depth (m)				0.10	0.45	0.10	0.55	0.10	0.30	0.80	0.20
Sampling Date				14/09/2021	14/09/2021	14/09/2021	14/09/2021	14/09/2021	14/09/2021	14/09/2021	14/09/2021
Determinand	Codes	Units	LOD								
Soil sample preparation parameters											
Material removed	N	%	0.1	< 0.1	47.0	< 0.1	42.9	< 0.1	< 0.1	38.2	< 0.1
Description of Inert material removed	N		0	None	Stones	None	Stones	None	None	Stones	None
Metals											
Arsenic	M	mg/kg	1	5.0	n/t	n/t	^ 11.8	^ 9.0	n/t	^ 11.9	^ 8.1
Beryllium	U	mg/kg	1	< 1.0	n/t	n/t	1.1	< 1.0	n/t	1.2	< 1.0
Cadmium	M	mg/kg	0.5	< 0.5	n/t	n/t	^ 0.5	^ < 0.5	n/t	^ 0.7	^ < 0.5
Chromium	M	mg/kg	5	11.1	n/t	n/t	^ 33.6	^ 18.0	n/t	^ 34.4	^ 15.4
Copper	M	mg/kg	5	12.3	^ 19.9	^ 20.5	^ 18.5	^ 21.9	^ 19.5	^ 19.9	^ 19.3
Lead	M	mg/kg	5	57.8	n/t	n/t	^ 28.1	^ 29.1	n/t	^ 24.8	^ 26.6
Mercury	M	mg/kg	0.5	< 0.5	n/t	n/t	^ < 0.5	^ < 0.5	n/t	^ < 0.5	^ < 0.5
Nickel	M	mg/kg	5	< 5.0	^ 31.5	^ 7.5	^ 26.7	^ 8.5	^ 6.5	^ 31.2	^ 7.9
Selenium	M	mg/kg	1	1.2	n/t	n/t	^ 1.2	^ 1.4	n/t	^ 1.2	^ 1.5
Vanadium	M	mg/kg	5	12.7	n/t	n/t	^ 41.4	^ 23.5	n/t	^ 41.5	^ 18.5
Zinc	M	mg/kg	5	40.4	^ 78.5	^ 55.1	^ 68.7	^ 57.2	^ 45.3	^ 72.7	^ 47.2
Anions											
Water Soluble Chloride	M	mg/kg	40	< 40	n/t	n/t	^ < 40	^ < 40	n/t	^ < 40	^ < 40
Water Soluble Sulphate	M	g/l	0.02	0.04	n/t	n/t	^ 0.02	^ 0.12	n/t	^ 0.05	^ 0.08
Inorganics											
Carbonate	N	%	0.1	n/t	0.5	0.5	n/t	n/t	0.3	n/t	n/t
Elemental Sulphur	M	mg/kg	20	< 20	n/t	n/t	^ < 20	^ < 20	n/t	^ < 20	^ < 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	n/t	n/t	^ < 0.8	^ < 0.8	n/t	^ < 0.8	^ < 0.8
Total Sulphide	N	mg/kg	2	< 2	n/t	n/t	^ < 2	^ < 2	n/t	^ < 2	^ < 2
Total Cyanide	M	mg/kg	1	< 1.0	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	0.02	n/t	n/t	0.02	0.05	n/t	0.04	0.05
Water Soluble Boron	N	mg/kg	0.5	1.2	n/t	n/t	0.8	1.0	n/t	0.7	1.0
Miscellaneous											
Electrical Conductivity (CaSO4 extract)	N	uS/cm	50	n/t	2050	2070	n/t	n/t	2000	n/t	n/t
Carbon Nitrogen Ratio	N	ratio	0.1	n/t	n/t	15.0	n/t	n/t	n/t	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	n/t	^ 2.99	^ 3.26	n/t	n/t	^ 2.90	n/t	n/t
pH	M	pH units	0.1	7.2	^ 8.0	^ 8.2	^ 8.1	^ 8.3	^ 8.1	^ 8.2	^ 8.6
Density	N	g/ml	0	n/t	1.12	1.15	n/t	n/t	1.13	n/t	n/t
Soil Organic Matter	U	%	0.1	n/t	0.9	n/t	n/t	n/t	1.8	n/t	n/t
Total Carbon	N	%	0.01	n/t	n/t	1.9	n/t	n/t	n/t	n/t	n/t
Total Organic Carbon	N	%	0.01	1.6	n/t	n/t	0.80	0.87	n/t	0.34	0.75
Total Nitrogen	N	%	0.01	n/t	n/t	0.13	n/t	n/t	n/t	n/t	n/t
Extractable Potassium	N	mg/l	20	n/t	156	91	n/t	n/t	66	n/t	n/t
Extractable Magnesium	N	mg/l	20	n/t	60	22	n/t	n/t	< 20	n/t	n/t
Extractable Phosphate	N	mg/l	1	n/t	n/t	74	n/t	n/t	n/t	n/t	n/t
Extractable Calcium	N	mg/l	20	n/t	4450	n/t	n/t	n/t	2090	n/t	n/t
Extractable Sodium	N	mg/l	20	n/t	22	n/t	n/t	n/t	< 20	n/t	n/t
Sand content	NS	%	1	n/t	to follow	to follow	n/t	n/t	to follow	n/t	n/t
Silt content	NS	%	1	n/t	to follow	to follow	n/t	n/t	to follow	n/t	n/t
Clay content	NS	%	1	n/t	to follow	to follow	n/t	n/t	to follow	n/t	n/t
Stones > 2mm	NS	%	1	n/t	to follow	to follow	n/t	n/t	to follow	n/t	n/t
Stones > 20mm	NS	%	1	n/t	to follow	to follow	n/t	n/t	to follow	n/t	n/t
Stones > 50mm	NS	%	1	n/t	to follow	to follow	n/t	n/t	to follow	n/t	n/t
Stones > 75mm	NS	%	1	n/t	to follow	n/t	n/t	n/t	to follow	n/t	n/t
Total Visible Contaminants	N	%	0.01	n/t	< 0.01	< 0.01	n/t	n/t	< 0.01	n/t	n/t
Plastics	N	%	0.01	n/t	< 0.01	< 0.01	n/t	n/t	< 0.01	n/t	n/t
Sharps	N	n/kg	0	n/t	0	0	n/t	n/t	0	n/t	n/t
Phenols											
Total Phenols	N	mg/kg	6	< 6	n/t	n/t	< 6	< 6	n/t	< 6	< 6

Results Summary

2683

Report No.: 21-35991, issue number 0

ELAB Reference				251014	251015	251016	251017	251018	251020	251021	251022
Customer Reference											
Sample ID											
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				HP7	HP7	HP9	HP9	HP10	HP12	HP12	HP13
Sample Depth (m)				0.10	0.45	0.10	0.55	0.10	0.30	0.80	0.20
Sampling Date				14/09/2021	14/09/2021	14/09/2021	14/09/2021	14/09/2021	14/09/2021	14/09/2021	14/09/2021
Determinand	Codes	Units	LOD								
Polyaromatic hydrocarbons											
Naphthalene	M	mg/kg	0.1	< 0.1	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Fluorene	M	mg/kg	0.1	< 0.1	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Phenanthrene	M	mg/kg	0.1	0.3	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Anthracene	M	mg/kg	0.1	< 0.1	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Fluoranthene	M	mg/kg	0.1	0.9	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Pyrene	M	mg/kg	0.1	0.8	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Benzo(a)anthracene	M	mg/kg	0.1	0.5	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Chrysene	M	mg/kg	0.1	0.6	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	1.1	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	0.8	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Benzo(a)pyrene	M	mg/kg	0.1	0.6	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	0.5	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Benzo(g,h,i)perylene	M	mg/kg	0.1	0.5	n/t	n/t	^ < 0.1	^ < 0.1	n/t	^ < 0.1	^ < 0.1
Total PAH(16)	M	mg/kg	0.4	6.9	n/t	n/t	^ < 0.4	^ < 0.4	n/t	^ < 0.4	^ < 0.4
BTEX											
Benzene	M	ug/kg	10	< 10.0	n/t	n/t	^ < 10.0	^ < 10.0	n/t	^ < 10.0	^ < 10.0
Toluene	M	ug/kg	10	< 10.0	n/t	n/t	^ < 10.0	^ < 10.0	n/t	^ < 10.0	^ < 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	n/t	n/t	^ < 10.0	^ < 10.0	n/t	^ < 10.0	^ < 10.0
Xylenes	M	ug/kg	10	< 10.0	n/t	n/t	^ < 10.0	^ < 10.0	n/t	^ < 10.0	^ < 10.0
MTBE	N	ug/kg	10	< 10.0	n/t	n/t	< 10.0	< 10.0	n/t	< 10.0	< 10.0
TPH CWG											
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	n/t	n/t	< 0.01	< 0.01	n/t	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	n/t	n/t	< 0.01	< 0.01	n/t	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	n/t	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
>C16-C21 Aliphatic	M	mg/kg	1	< 1.0	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
>C21-C35 Aliphatic	M	mg/kg	1	3.4	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
>C35-C40 Aliphatic	M	mg/kg	1	< 1.0	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	5.0	n/t	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	n/t	n/t	< 0.01	< 0.01	n/t	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	n/t	n/t	< 0.01	< 0.01	n/t	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	n/t	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0
>C10-C12 Aromatic	M	mg/kg	1	< 1.0	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
>C12-C16 Aromatic	M	mg/kg	1	< 1.0	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
>C16-C21 Aromatic	M	mg/kg	1	2.3	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
>C21-C35 Aromatic	M	mg/kg	1	15.2	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
>C35-C40 Aromatic	M	mg/kg	1	3.3	n/t	n/t	^ < 1.0	^ < 1.0	n/t	^ < 1.0	^ < 1.0
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	22.0	n/t	n/t	1.3	1.6	n/t	< 1.0	< 1.0
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	27.0	n/t	n/t	1.7	2.0	n/t	< 1.0	< 1.0

Tests marked N are not UKAS accredited.

The Environmental Laboratory Ltd. Reg. No. 3882193

Results Summary

Report No.: 21-35991, issue number 0

ELAB Reference	251023
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	HP13
Sample Depth (m)	0.70
Sampling Date	14/09/2021

Determinand	Codes	Units	LOD	
Soil sample preparation parameters				
Material removed	N	%	0.1	41.9
Description of Inert material removed	N		0	Stones
Metals				
Arsenic	M	mg/kg	1	n/t
Beryllium	U	mg/kg	1	n/t
Cadmium	M	mg/kg	0.5	n/t
Chromium	M	mg/kg	5	n/t
Copper	M	mg/kg	5	^ 18.9
Lead	M	mg/kg	5	n/t
Mercury	M	mg/kg	0.5	n/t
Nickel	M	mg/kg	5	^ 27.4
Selenium	M	mg/kg	1	n/t
Vanadium	M	mg/kg	5	n/t
Zinc	M	mg/kg	5	^ 68.0
Anions				
Water Soluble Chloride	M	mg/kg	40	n/t
Water Soluble Sulphate	M	g/l	0.02	n/t
Inorganics				
Carbonate	N	%	0.1	0.8
Elemental Sulphur	M	mg/kg	20	n/t
Hexavalent Chromium	N	mg/kg	0.8	n/t
Total Sulphide	N	mg/kg	2	n/t
Total Cyanide	M	mg/kg	1	n/t
Acid Soluble Sulphate (SO4)	U	%	0.02	n/t
Water Soluble Boron	N	mg/kg	0.5	n/t
Miscellaneous				
Electrical Conductivity (CaSO4 extract)	N	uS/cm	50	1960
Carbon Nitrogen Ratio	N	ratio	0.1	20.6
Loss On Ignition (450°C)	M	%	0.01	^ 2.88
pH	M	pH units	0.1	^ 8.0
Density	N	g/ml	0	1.16
Soil Organic Matter	U	%	0.1	n/t
Total Carbon	N	%	0.01	1.7
Total Organic Carbon	N	%	0.01	n/t
Total Nitrogen	N	%	0.01	0.08
Extractable Potassium	N	mg/l	20	171
Extractable Magnesium	N	mg/l	20	55
Extractable Phosphate	N	mg/l	1	39
Extractable Calcium	N	mg/l	20	n/t
Extractable Sodium	N	mg/l	20	n/t
Sand content	NS	%	1	to follow
Silt content	NS	%	1	to follow
Clay content	NS	%	1	to follow
Stones > 2mm	NS	%	1	to follow
Stones > 20mm	NS	%	1	to follow
Stones > 50mm	NS	%	1	to follow
Stones > 75mm	NS	%	1	n/t
Total Visible Contaminants	N	%	0.01	< 0.01
Plastics	N	%	0.01	< 0.01
Sharps	N	n/kg	0	0
Phenols				
Total Phenols	N	mg/kg	6	n/t

Results Summary

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ELAB Reference	251023
Customer Reference	
Sample ID	
Sample Type	SOIL
Sample Location	HP13
Sample Depth (m)	0.70
Sampling Date	14/09/2021

Determinand	Codes	Units	LOD	
Polyaromatic hydrocarbons				
Naphthalene	M	mg/kg	0.1	n/t
Acenaphthylene	M	mg/kg	0.1	n/t
Acenaphthene	M	mg/kg	0.1	n/t
Fluorene	M	mg/kg	0.1	n/t
Phenanthrene	M	mg/kg	0.1	n/t
Anthracene	M	mg/kg	0.1	n/t
Fluoranthene	M	mg/kg	0.1	n/t
Pyrene	M	mg/kg	0.1	n/t
Benzo(a)anthracene	M	mg/kg	0.1	n/t
Chrysene	M	mg/kg	0.1	n/t
Benzo(b)fluoranthene	M	mg/kg	0.1	n/t
Benzo(k)fluoranthene	M	mg/kg	0.1	n/t
Benzo(a)pyrene	M	mg/kg	0.1	n/t
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	n/t
Dibenzo(a,h)anthracene	M	mg/kg	0.1	n/t
Benzo(g,h,i)perylene	M	mg/kg	0.1	n/t
Total PAH(16)	M	mg/kg	0.4	n/t
BTEX				
Benzene	M	ug/kg	10	n/t
Toluene	M	ug/kg	10	n/t
Ethylbenzene	M	ug/kg	10	n/t
Xylenes	M	ug/kg	10	n/t
MTBE	N	ug/kg	10	n/t
TPH CWG				
>C5-C6 Aliphatic	N	mg/kg	0.01	n/t
>C6-C8 Aliphatic	N	mg/kg	0.01	n/t
>C8-C10 Aliphatic	N	mg/kg	1	n/t
>C10-C12 Aliphatic	M	mg/kg	1	n/t
>C12-C16 Aliphatic	M	mg/kg	1	n/t
>C16-C21 Aliphatic	M	mg/kg	1	n/t
>C21-C35 Aliphatic	M	mg/kg	1	n/t
>C35-C40 Aliphatic	M	mg/kg	1	n/t
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	n/t
>C5-C7 Aromatic	N	mg/kg	0.01	n/t
>C7-C8 Aromatic	N	mg/kg	0.01	n/t
>C8-C10 Aromatic	N	mg/kg	1	n/t
>C10-C12 Aromatic	M	mg/kg	1	n/t
>C12-C16 Aromatic	M	mg/kg	1	n/t
>C16-C21 Aromatic	M	mg/kg	1	n/t
>C21-C35 Aromatic	M	mg/kg	1	n/t
>C35-C40 Aromatic	M	mg/kg	1	n/t
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	n/t
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	n/t



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Results Summary
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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 (%)
251014	0.10	HP7	Brown Sandy Soil, Stones, Clinker, Wood, Plant	No asbestos detected	n/l	n/l	n/l	n/l
251017	0.55	HP9	Brown Soil, Stones	No asbestos detected	n/t	n/t	n/t	n/t
251018	0.10	HP10	Brown Soil, Stones, Clinker, Plant Material	No asbestos detected	n/t	n/t	n/t	n/t
251021	0.80	HP12	Brown Soil, Stones, Red Plastic	No asbestos detected	n/t	n/t	n/t	n/t
251022	0.20	HP13	Brown Soil, Stones, Clinker, Plant Material	No asbestos detected	n/l	n/l	n/l	n/l

Method Summary

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Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Acid neutralisation capacity	N	Air dried sample	17/09/2021		
Extractable cations - BS3882	N	Air dried sample	17/09/2021		ICPMS
Visible Contaminants	N		17/09/2021		
Sulphide	N	As submitted sample	17/09/2021	109	Colorimetry
Hexavalent chromium	N	As submitted sample	17/09/2021	110	Colorimetry
pH	M	Air dried sample	17/09/2021	113	Electromeric
Electrical conductivity of soil	N	Air dried sample	17/09/2021	114	Electromeric
Acid Soluble Sulphate	U	Air dried sample	20/09/2021	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	17/09/2021	118	ICPMS
Phenols in solids	N	As submitted sample	17/09/2021	121	HPLC
Elemental Sulphur	M	Air dried sample	17/09/2021	122	HPLC
Loss on ignition at 450 deg C	M	Air dried sample	20/09/2021	129	Gravimetry
PAH (GC-FID)	M	As submitted sample	17/09/2021	133	GC-FID
Extr. Phos	N	Air dried sample	17/09/2021	140	ICPMS
Water soluble anions	M	Air dried sample	17/09/2021	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	20/09/2021	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	20/09/2021	181	GC-MS
BTEX in solids	M	As submitted sample	20/09/2021	181A	GC-MS
Water soluble boron	N	Air dried sample	17/09/2021	202	Colorimetry
Total cyanide	M	As submitted sample	17/09/2021	204	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	20/09/2021	210	IR
TPH CWG soil by gc-gc	M	As submitted sample	16/09/2021	271	
Asbestos identification	U	Air dried sample	17/09/2021	280	Microscopy
Soil organic matter	U	Air dried sample	17/09/2021	BS1377:P3	Titrimetry

Tests marked N are not UKAS accredited



Report Information

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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.
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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