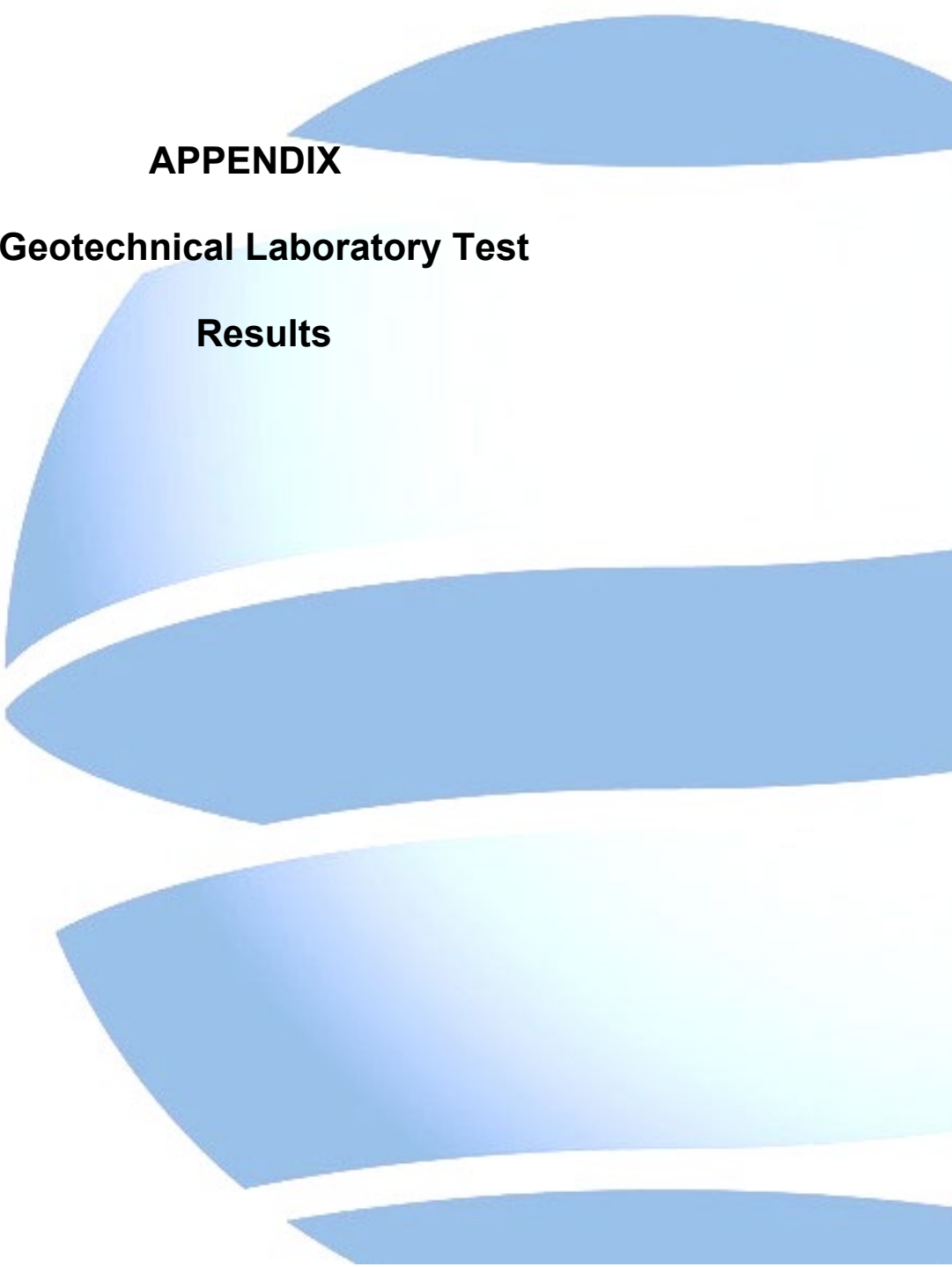




APPENDIX

Geotechnical Laboratory Test Results



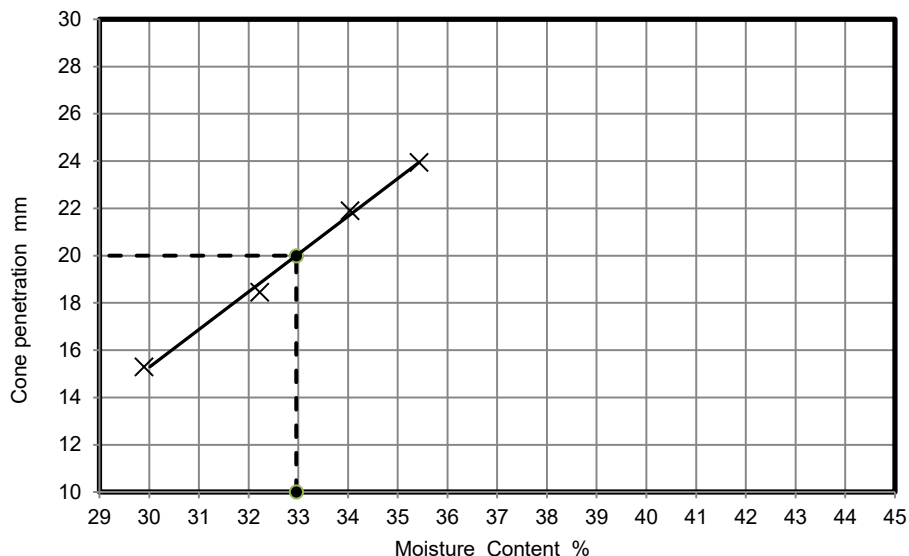
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	38095
Borehole/Pit No.	WS2
Sample No.	1
Depth Top	1.60 m
Depth Base	- m
Sample Type	D
Samples received	04/11/2025
Schedules received	06/11/2025
Project Started	07/11/2025
Date Tested	17/11/2025

Site Name Mill Lane Hitchin

Project No. GE23305 Client GESL

Soil Description Brown and yellowish brown slightly gravelly sandy silty CLAY (gravel is fmc and angular to sub-angular flint)

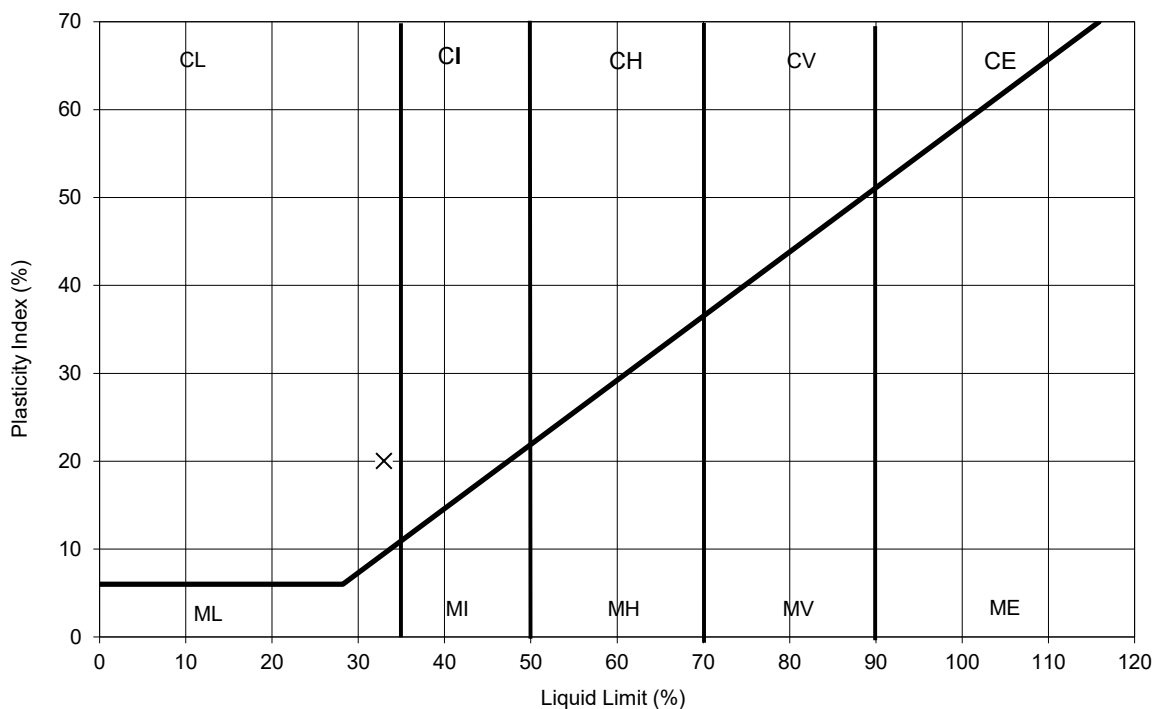


WATER CONTENT	10.7	%
% PASSING 425µm SIEVE	88	%
LIQUID LIMIT	33	%
PLASTIC LIMIT	13	%
PLASTICITY INDEX	20	%

Preparation Method	Tested after >425µm removed by hand
--------------------	-------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

Checked and Approved

Initials: J.P

Date: 20/11/2025

MSF-5 R2



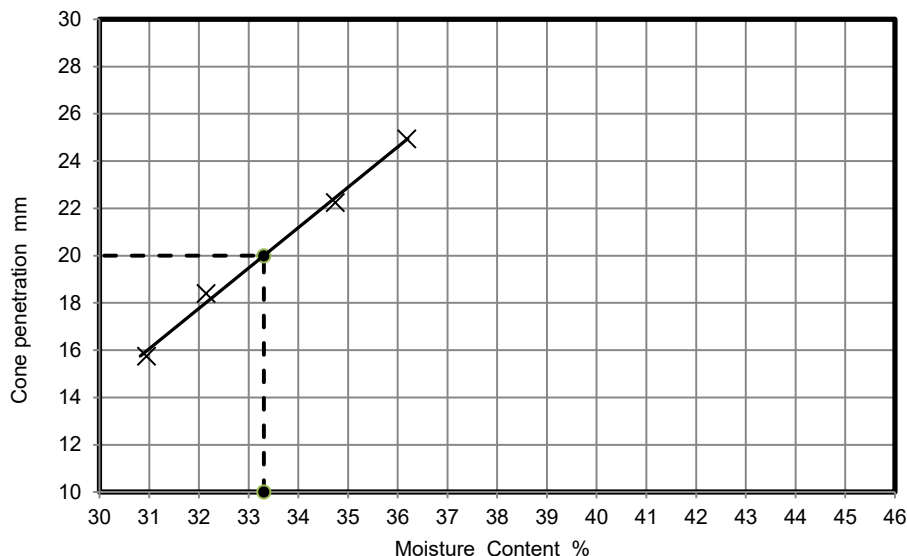
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	38095
Borehole/Pit No.	WS3
Sample No.	2
Depth Top	1.90 m
Depth Base	- m
Sample Type	D
Samples received	04/11/2025
Schedules received	06/11/2025
Project Started	07/11/2025
Date Tested	17/11/2025

Site Name Mill Lane Hitchin

Project No. GE23305 Client GESL

Soil Description Orangish brown slightly gravelly very sandy silty CLAY (gravel is fm and angular to sub-angular)

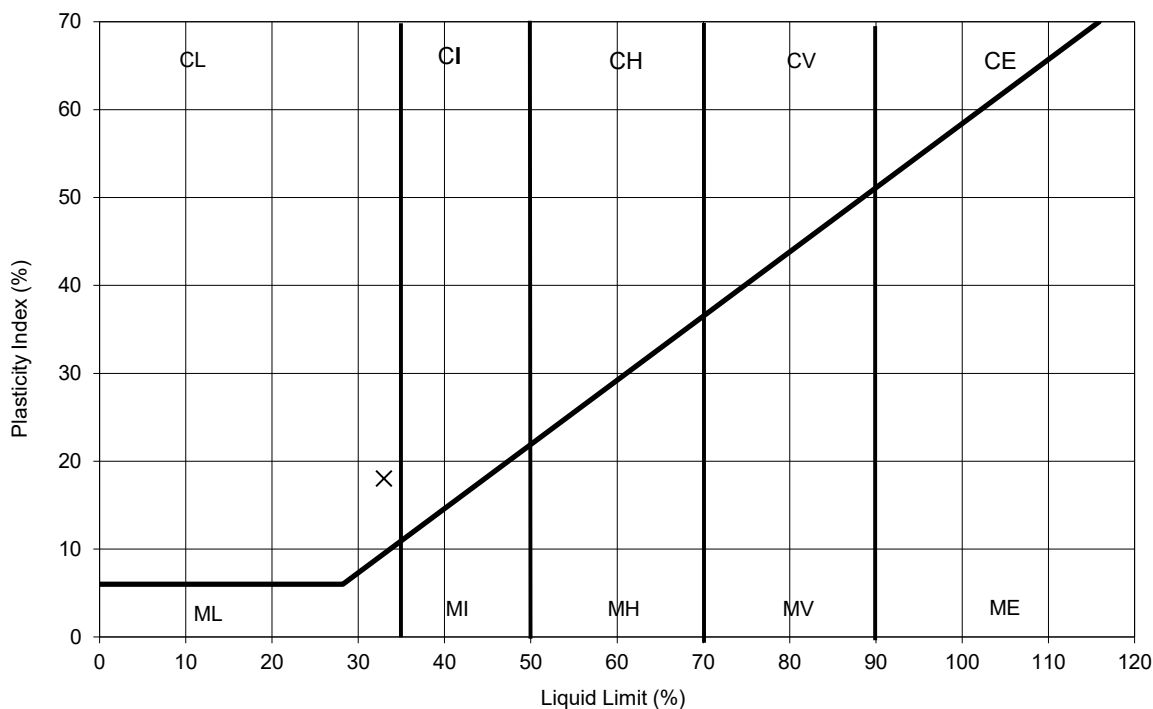


WATER CONTENT	8.7	%
% PASSING 425µm SIEVE	92	%
LIQUID LIMIT	33	%
PLASTIC LIMIT	15	%
PLASTICITY INDEX	18	%

Preparation Method	Tested after >425µm removed by hand
--------------------	-------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Initials: J.P

Date: 20/11/2025

MSF-5 R2



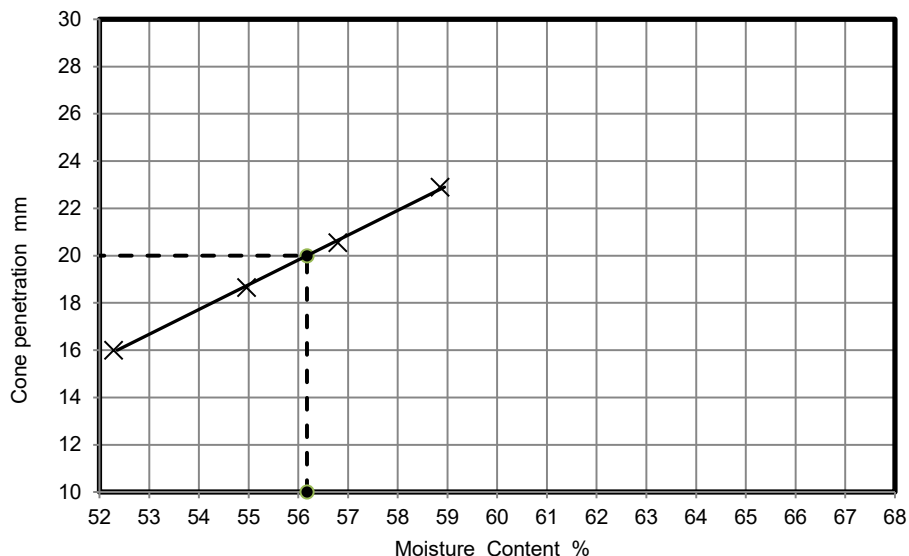
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	38095
Borehole/Pit No.	WS4
Sample No.	4
Depth Top	1.30 m
Depth Base	- m
Sample Type	D
Samples received	04/11/2025
Schedules received	06/11/2025
Project Started	07/11/2025
Date Tested	17/11/2025

Site Name Mill Lane Hitchin

Project No. GE23305 Client GESL

Soil Description Orangish brown slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular)

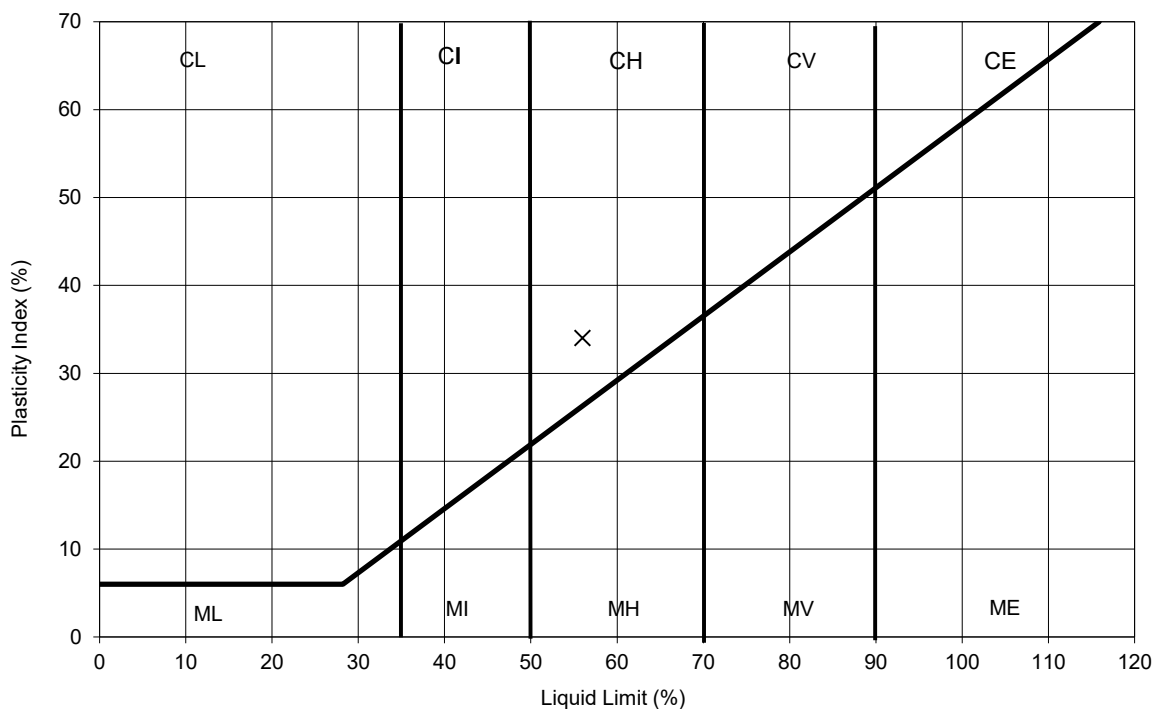


WATER CONTENT	14.5	%
% PASSING 425µm SIEVE	59	%
LIQUID LIMIT	56	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	34	%

Preparation Method	Tested after washing to remove >425µm
--------------------	---------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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MSF-5 R2



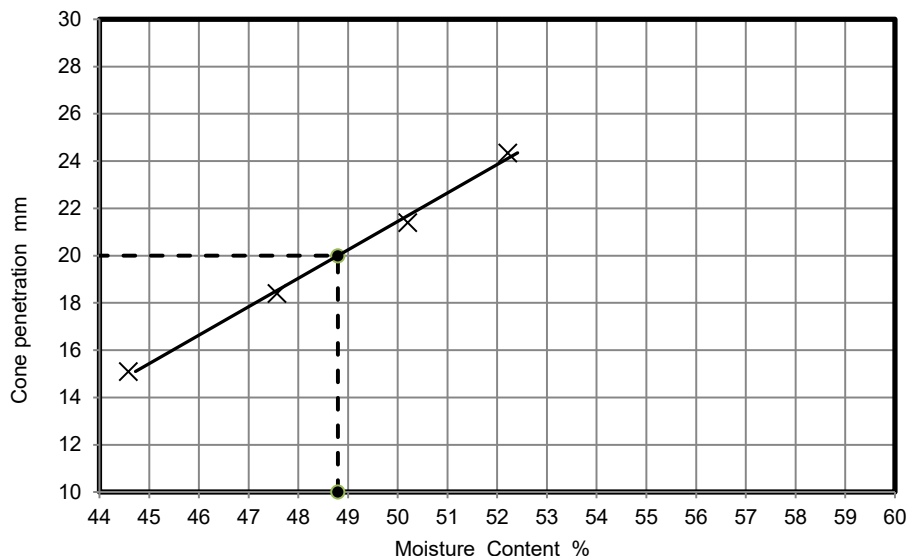
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	38095
Borehole/Pit No.	WS5
Sample No.	5
Depth Top	1.80 m
Depth Base	- m
Sample Type	D
Samples received	04/11/2025
Schedules received	06/11/2025
Project Started	07/11/2025
Date Tested	17/11/2025

Site Name Mill Lane Hitchin

Project No. GE23305 Client GESL

Soil Description Orangish brown slightly sandy very gravelly silty CLAY (gravel is fmc and angular to sub-rounded)

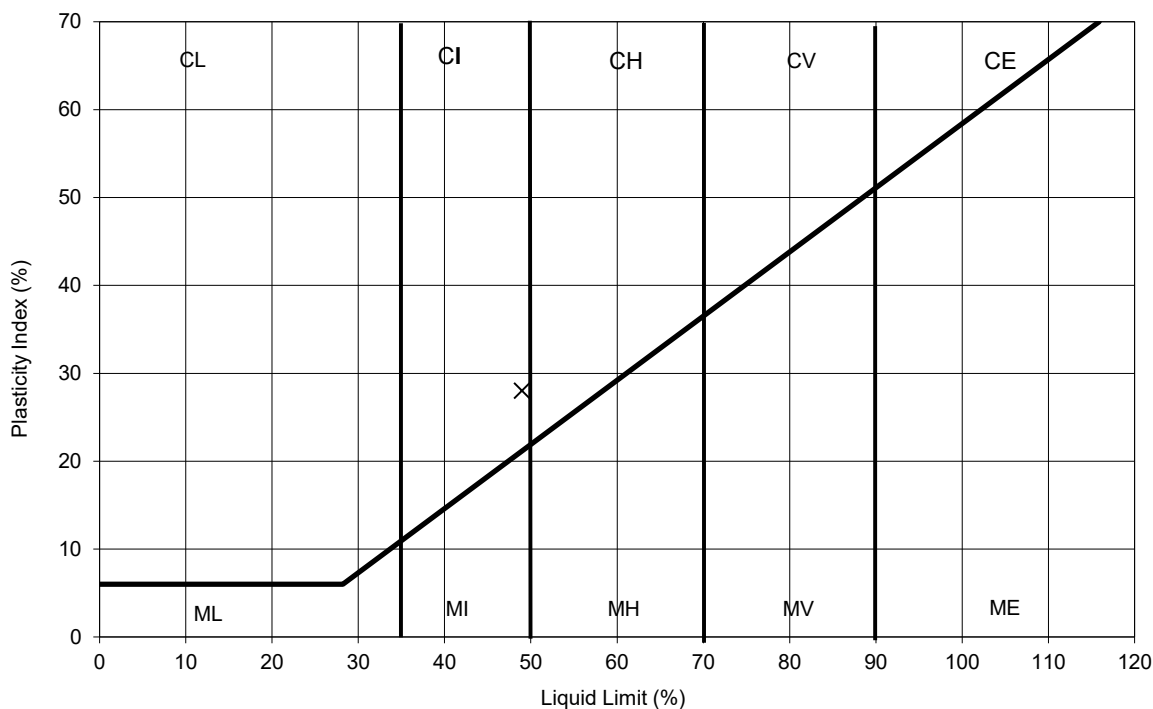


WATER CONTENT	10.6	%
% PASSING 425µm SIEVE	31	%
LIQUID LIMIT	49	%
PLASTIC LIMIT	21	%
PLASTICITY INDEX	28	%

Preparation Method	Tested after washing to remove >425µm
--------------------	---------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
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Date: 20/11/2025

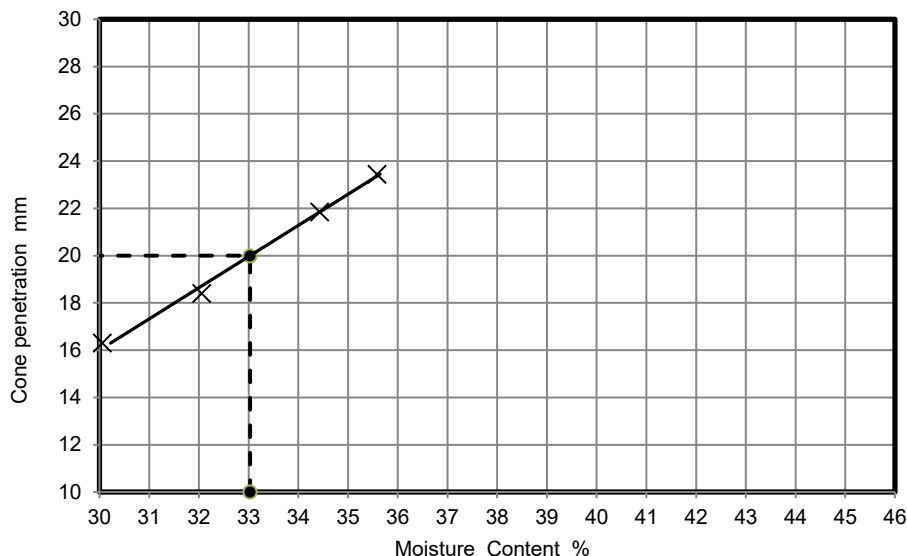
MSF-5 R2



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	38095
Borehole/Pit No.	WS6
Sample No.	7
Depth Top	1.90 m
Depth Base	- m
Sample Type	D
Samples received	04/11/2025
Schedules received	06/11/2025
Project Started	07/11/2025
Date Tested	17/11/2025

Site Name	Mill Lane Hitchin		
Project No.	GE23305	Client	GESL
Soil Description	Brown very sandy silty CLAY		

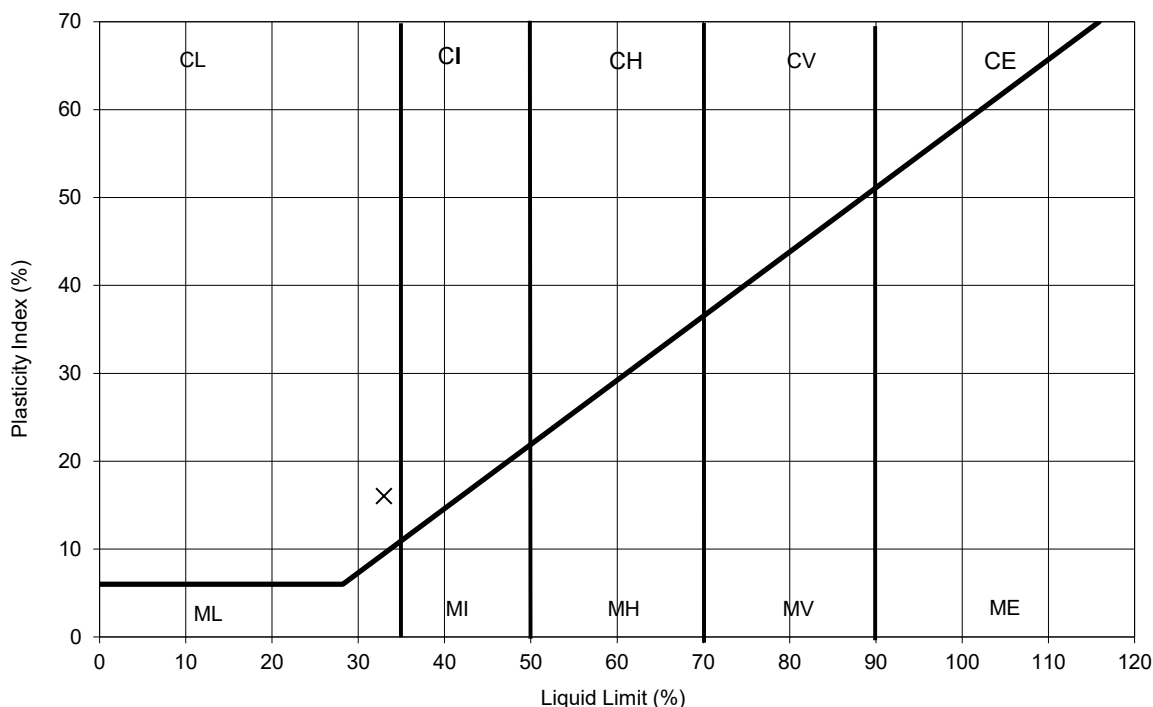


WATER CONTENT	14.8	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	33	%
PLASTIC LIMIT	17	%
PLASTICITY INDEX	16	%

Preparation Method	Tested in natural condition
--------------------	-----------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 + A2:2022 Liquid and plastic limit

These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

Checked and Approved

Initials: J.P

Date: 20/11/2025

MSF-5 R2



2519



Summary of Water Content, Liquid Limit (4 point) and Plastic Limit Results

Job No. 38095	Project Name Mill Lane Hitchin	Programme	
		Samples received	04/11/2025
		Schedule received	06/11/2025
Project No. GE23305	Client GESL	Project started	07/11/2025
		Testing Started	17/11/2025

Hole No.	Sample				Soil Description	Water Content %	Passing 425µm %	Preparation	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type								
WS2	1	1.60	-	D	Brown and yellowish brown slightly gravelly sandy silty CLAY (gravel is fmc and angular to sub-angular flint)	10.7	88	Tested after >425um removed by hand	33	13	20	
WS3	2	1.90	-	D	Orangish brown slightly gravelly very sandy silty CLAY (gravel is fm and angular to sub-angular)	8.7	92	Tested after >425um removed by hand	33	15	18	
WS4	4	1.30	-	D	Orangish brown slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular)	14.5	59	Tested after washing to remove >425um	56	22	34	
WS5	5	1.80	-	D	Orangish brown slightly sandy very gravelly silty CLAY (gravel is fmc and angular to sub-rounded)	10.6	31	Tested after washing to remove >425um	49	21	28	
WS6	7	1.90	-	D	Brown very sandy silty CLAY	14.8	100	Tested in natural condition	33	17	16	

80g/300 cone used unless otherwise stated.

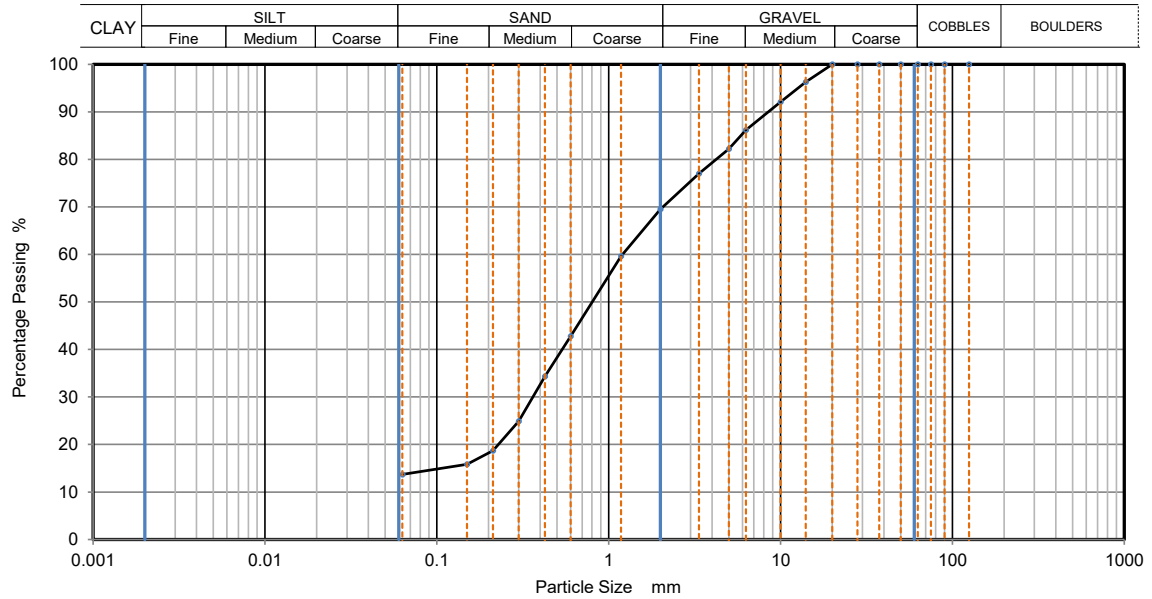
 UKAS TESTING	Test Methods: BS EN ISO 17892 Part 1: 2014+A1:2022 Water content Part 12: 2018+A2:2022 Liquid & plastic limit These results only apply to the items tested NOTE: The report shall not be reproduced except in full without authority of the laboratory	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 20/11/2025
	2519 Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		



PARTICLE SIZE DISTRIBUTION

	PARTICLE SIZE DISTRIBUTION			Job Ref	38095	
				Borehole/Pit No.	WS4	
Site Name	Mill Lane Hitchin			Sample No.	3	
Project No.	GE23305	Client	GESL	Depth Top	1.90	m
Soil Description	Orangish brown slightly clayey silty very gravelly SAND (gravel is fm and sub-angular to sub-rounded)			Depth Base	-	m
				Sample Type	D	
				Samples received	04/11/2025	
				Schedules received	06/11/2025	
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	07/11/2025	
These results only apply to the items tested				Date tested	19/11/2025	

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	96		
10	92		
6.3	86		
5	82		
3.35	77		
2	70		
1.18	60		
0.6	43		
0.425	34		
0.3	25		
0.212	19		
0.15	16		
0.063	14		

Sample Proportions	% dry mass
Very coarse	0
Gravel	31
Sand	55
Fines <0.063mm	14

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

Preparation and testing in accordance with ISO17892 Part 4 unless noted below

NOTE: The report shall not be reproduced except in full without approval of the laboratory



K4 Soils Laboratory

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Checked and Approved

Initials: J.P

Date: 20/11/2025

2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

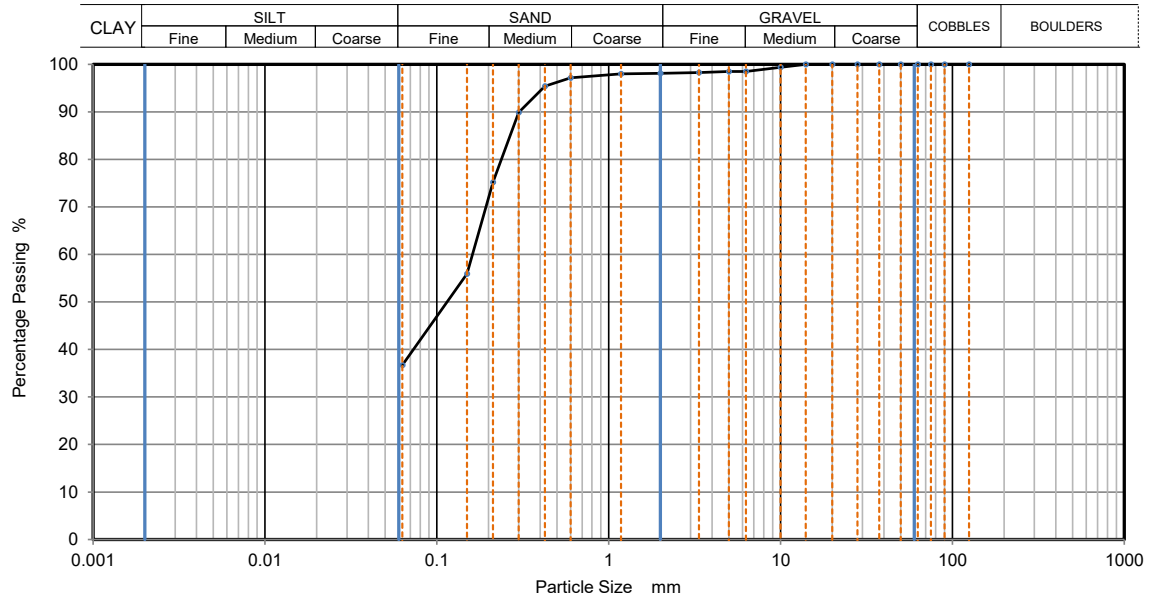
MSF-5-R3



PARTICLE SIZE DISTRIBUTION

	PARTICLE SIZE DISTRIBUTION			Job Ref	38095	
				Borehole/Pit No.	WS6	
Site Name	Mill Lane Hitchin			Sample No.	6	
Project No.	GE23305	Client	GESL	Depth Top	1.60	m
Soil Description	Orangish brown sandy silty CLAY with rare fm gravel			Depth Base	-	m
				Sample Type	D	
				Samples received	04/11/2025	
				Schedules received	06/11/2025	
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	07/11/2025	
These results only apply to the items tested				Date tested	17/11/2025	

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	99		
6.3	99		
5	99		
3.35	98		
2	98		
1.18	98		
0.6	97		
0.425	95		
0.3	90		
0.212	75		
0.15	56		
0.063	37		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	61
Fines <0.063mm	37

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

Preparation and testing in accordance with ISO17892 Part 4 unless noted below

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K4 Soils Laboratory

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Email: james@k4soils.com

Tel: 01923 711288

Checked and Approved

Initials: J.P

Date: 20/11/2025

2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

MSF-5-R3

APPENDIX E

Geochemical Laboratory

Test Results and Hazwaste

Online

Geo-Environmental Services Ltd
Unit 7, Danworth Farm
Cuckfield Road
Hurstpierpoint
West Sussex
BN6 9GL

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01273 832972

t: 01923 225404

e: jason.tilley@gesl.net
joshua.hagger@gesl.net
results@gesl.net

f: 01923 237404

e: info-i2analytical@normecgroup.com

Analytical Report Number : 25-059178

Project / Site name:	Mill Lane, Hitchin	Samples received on:	31/10/2025
Your job number:	GE23305	Samples instructed on/ Analysis started on:	31/10/2025
Your order number:	PO 9322	Analysis completed by:	12/11/2025
Report Issue Number:	1	Report issued on:	12/11/2025
Samples Analysed:	10 soil samples		



Signed:

Rachel Chappell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number	736397	736398	736399	736400	736401
Sample Reference	WS1	WS2	WS2	WS3	WS3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.45	0.45	1.30	0.45	1.30
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	19.6	30.8	6.2	61.3	10
Moisture Content	%	0.01	NONE	3.1	3.8	9.4	4	6.9
Total mass of sample received	kg	0.1	NONE	1	0.8	1.1	1	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	DKI	CAD	-	CAD	-
Analysis completed	N/A	N/A	N/A	11/11/2025	11/11/2025	-	11/11/2025	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.4	6.8	7.2	6.2	6.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
Total Sulphate as SO ₄	mg/kg	50	MCERTS	360	370	-	190	-
Total Sulphate as SO ₄	%	0.005	MCERTS	-	-	0.019	-	0.029
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	25	35	20	17	28
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	12.3	17.7	9.84	8.47	14
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	3	3.1	-	3.4	-
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	0.8	-	0.8
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Total Sulphur	mg/kg	50	MCERTS	-	-	110	-	160
Total Sulphur	%	0.005	MCERTS	-	-	0.011	-	0.016
Ammoniacal Nitrogen as NH ₄ ⁺	mg/kg	0.5	MCERTS	-	-	< 0.5	-	< 0.5
Ammonium as NH ₄ ⁺ (10:1 leachate equivalent)	mg/l	0.05	MCERTS	-	-	< 0.05	-	< 0.05
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.9	0.9	-	0.3	-
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	-	-	3.8	-	< 2.0
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent)	mg/l	5	NONE	-	-	< 5.0	-	< 5.0

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
----------------------------	-------	---	--------	-------	-------	---	-------	---

Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number	736397	736398	736399	736400	736401
Sample Reference	WS1	WS2	WS2	WS3	WS3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.45	0.45	1.30	0.45	1.30
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	-	< 0.80	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	37	36	-	89	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	76	80	-	38	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.74	0.75	-	0.89	-
Boron (water soluble)	mg/kg	0.2	MCERTS	1	0.5	-	0.4	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	0.3	-	0.3	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	-	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21	22	-	22	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26	24	-	20	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	32	98	-	18	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	32	32	-	61	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	48	47	-	48	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110	110	-	120	-
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	< 2.5	-	< 2.5
Magnesium (water soluble)	mg/kg	5	NONE	-	-	< 5.0	-	< 5.0

Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number	736397	736398	736399	736400	736401
Sample Reference	WS1	WS2	WS2	WS3	WS3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.45	0.45	1.30	0.45	1.30
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	-	< 10	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	-	< 10	-

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-

Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	< 10	-	-	-	-
Alachlor	µg/kg	10	NONE	< 10	-	-	-	-
Bifenthrin	µg/kg	10	NONE	< 10	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	< 10	-	-	-	-
Omethoate	µg/kg	10	NONE	< 10	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	< 10	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	< 10	-	-	-	-
Demeton-O	µg/kg	10	NONE	< 10	-	-	-	-
Demeton-S	µg/kg	10	NONE	< 10	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	< 10	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	< 10	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	< 10	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	< 10	-	-	-	-

Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number				736397	736398	736399	736400	736401
Sample Reference				WS1	WS2	WS2	WS3	WS3
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.45	0.45	1.30	0.45	1.30
Date Sampled				30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	< 10	-	-	-	-
Etrinfos	µg/kg	10	NONE	< 10	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	< 10	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	-
Propetamphos	µg/kg	10	NONE	< 10	-	-	-	-
Tecnazene	µg/kg	10	NONE	< 10	-	-	-	-
Triadimefon	µg/kg	10	NONE	< 10	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	< 10	-	-	-	-
Aldrin	µg/kg	10	NONE	< 10	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	< 10	-	-	-	-
Beta-BHC	µg/kg	10	NONE	< 10	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	< 10	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	< 10	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	< 10	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	< 10	-	-	-	-
Carbophenothion	µg/kg	10	NONE	< 10	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Delta-BHC	µg/kg	10	NONE	< 10	-	-	-	-
Dieldrin	µg/kg	10	NONE	< 10	-	-	-	-
Deltamethrin	µg/kg	10	NONE	< 10	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	< 10	-	-	-	-
Endrin	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10	-	-	-	-
Fenthion	µg/kg	10	NONE	< 10	-	-	-	-
Isodrin	µg/kg	10	NONE	< 10	-	-	-	-
Methacrifos	µg/kg	10	NONE	< 10	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	< 10	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	< 10	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	< 10	-	-	-	-
Parathion	µg/kg	10	NONE	< 10	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	< 10	-	-	-	-
Pendimethalin	µg/kg	10	NONE	< 10	-	-	-	-
Phorate	µg/kg	10	NONE	< 10	-	-	-	-
Phosalone	µg/kg	10	NONE	< 10	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	< 10	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	< 10	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	< 10	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	< 10	-	-	-	-
Propyzamide	µg/kg	10	NONE	< 10	-	-	-	-
Triazophos	µg/kg	10	NONE	< 10	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	< 10	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Dichlorvos	µg/kg	10	NONE	< 10	-	-	-	-

Analytical Report Number: 25-059178
 Project / Site name: Mill Lane, Hitchin
 Your Order No: PO 9322

Lab Sample Number				736397	736398	736399	736400	736401
Sample Reference				WS1	WS2	WS2	WS3	WS3
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.45	0.45	1.30	0.45	1.30
Date Sampled				30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Dimethoate	µg/kg	10	NONE	< 10	-	-	-	-
Diazinon	µg/kg	10	NONE	< 10	-	-	-	-
Ethion	µg/kg	10	NONE	< 10	-	-	-	-
Fenitrothion	µg/kg	10	NONE	< 10	-	-	-	-
Malathion	µg/kg	10	NONE	< 10	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	< 10	-	-	-	-
Trifluralin	µg/kg	10	NONE	< 10	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number	736402	736403	736404	736405	736406
Sample Reference	WS4	WS5	WS5	WS5	WS6
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.80	1.20	2.70	1.50
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	6.3	< 0.1	23.3	32.9	< 0.1
Moisture Content	%	0.01	NONE	6.9	14	1.6	10	6.5
Total mass of sample received	kg	0.1	NONE	0.8	0.6	1	1	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	CAD	CAD	-	JWU	JWU
Analysis completed	N/A	N/A	N/A	11/11/2025	11/11/2025	-	11/11/2025	11/11/2025

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.9	7.2	6.7	6.3	6.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	320	180	-	230	130
Total Sulphate as SO ₄	%	0.005	MCERTS	-	-	0.016	-	-
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	24	16	21	34	5.3
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	11.8	7.97	10.3	17	2.64
Sulphide	mg/kg	1	MCERTS	1.4	2.2	-	< 1.0	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	< 1.0	7.4	-	1.3	4.3
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	< 0.5	-	-
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Total Sulphur	mg/kg	50	MCERTS	-	-	85	-	-
Total Sulphur	%	0.005	MCERTS	-	-	0.008	-	-
Ammoniacal Nitrogen as NH ₄ ⁺	mg/kg	0.5	MCERTS	-	-	< 0.5	-	-
Ammonium as NH ₄ ⁺ (10:1 leachate equivalent)	mg/l	0.05	MCERTS	-	-	< 0.05	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.6	0.4	-	0.2	< 0.1
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	-	-	< 2.0	-	-
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent)	mg/l	5	NONE	-	-	< 5.0	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
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Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number	736402	736403	736404	736405	736406
Sample Reference	WS4	WS5	WS5	WS5	WS6
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.80	1.20	2.70	1.50
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	-	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	54	39	-	82	29
Barium (aqua regia extractable)	mg/kg	1	MCERTS	88	59	-	35	44
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.7	1.5	-	1.4	0.74
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	0.7	-	0.3	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	0.3	0.4
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	-	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	41	36	-	34	26
Copper (aqua regia extractable)	mg/kg	1	MCERTS	19	16	-	22	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	17	15	-	19	12
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	57	44	-	73	38
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	71	68	-	92	60
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	140	100	-	200	150
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	< 2.5	-	-
Magnesium (water soluble)	mg/kg	5	NONE	-	-	< 5.0	-	-

Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number	736402	736403	736404	736405	736406
Sample Reference	WS4	WS5	WS5	WS5	WS6
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.80	1.20	2.70	1.50
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0

Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 25-059178
 Project / Site name: Mill Lane, Hitchin
 Your Order No: PO 9322

Lab Sample Number				736402	736403	736404	736405	736406
Sample Reference				WS4	WS5	WS5	WS5	WS6
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.80	1.20	2.70	1.50
Date Sampled				30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrinfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 25-059178
 Project / Site name: Mill Lane, Hitchin
 Your Order No: PO 9322

Lab Sample Number				736402	736403	736404	736405	736406
Sample Reference				WS4	WS5	WS5	WS5	WS6
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.80	1.20	2.70	1.50
Date Sampled				30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-059178

Project / Site name: Mill Lane, Hitchin

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
736397	WS1	None Supplied	0.45	Brown sand with stones and gravel
736398	WS2	None Supplied	0.45	Brown sand with concrete and vegetation
736399	WS2	None Supplied	1.3	Brown clay and sand with stones and gravel
736400	WS3	None Supplied	0.45	Brown sand with stones and gravel
736401	WS3	None Supplied	1.3	Brown clay and sand with gravel and stones
736402	WS4	None Supplied	0.5	Brown clay and sand with stones and vegetation
736403	WS5	None Supplied	0.8	Brown sand with gravel and vegetation
736404	WS5	None Supplied	1.2	Brown clay and sand with stones and gravel
736405	WS5	None Supplied	2.7	Brown clay and sand with stones and gravel
736406	WS6	None Supplied	1.5	Brown clay and sand with gravel and vegetation

Analytical Report Number : 25-059178

Project / Site name: Mill Lane, Hitchin

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Pesticides by GC-MS/MS	Determination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE

Analytical Report Number : 25-059178

Project / Site name: Mill Lane, Hitchin

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES	In-house method based on TRL 447	L038B	D	NONE
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Water Soluble Nitrate (leachate equivalent)	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Ammonium as NH ₄ in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

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)



94ZK1-KLU6V-6KWGD

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

Report is invalid if pages are removed.

Job name

GE23305 - Mill Lane, Hitchin

Description/Comments

25-059178_HWOL

Project

GE23305

Site

Mill Lane, Hitchin

Classified by

Name: **Anthony Potter**
 Date: **10 Dec 2025 14:16 GMT**
 Telephone: **01273832972**
 Company: **Geo-Environmental Services**
Unit 7, Danworth Farm, Cuckfield Road
Hurstpierpoint
BN6 9GL

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:

CERTIFIED

Course
 Hazardous Waste Classification
 Most recent 3 year Refresher

Date
 06 Oct 2022
 07 Oct 2025

Next 3 year Refresher due by Oct 2028

Purpose of classification

2 - Material Characterisation

Address of the waste

Mill Lane, Hitchin

Post Code **N/A**

SIC for the process giving rise to the waste

41202 Construction of domestic buildings

Description of industry/producer giving rise to the waste

Fields to be redeveloped with residential properties

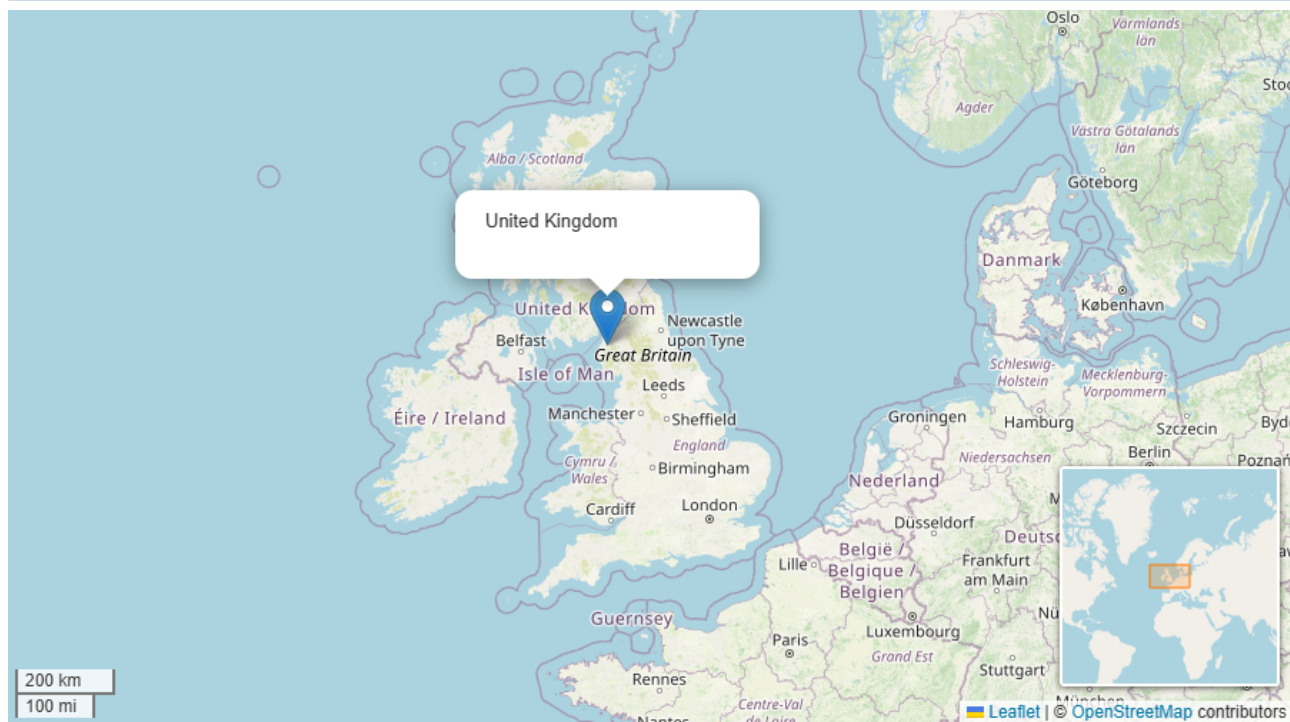
Description of the specific process, sub-process and/or activity that created the waste

Waste created during the construction of new properties

Description of the waste

TOPSOIL: Grass over brown slightly gravelly/sandy silt. Gravel comprises fine to medium sub angular to rounded flint and chert. Occasional rootlets.
MADE GROUND: Orangish brown very gravelly slightly sandy silt. Sand is fine. Gravel comprises fine to coarse sub angular to sub rounded flint and chert. Occasional brick.
GLACIOFLUVIAL DEPOSITS (cohesive): Stiff Orangish brown sandy CLAY with frequent fine to coarse gravel sized pockets/lenses of sand. Sand is coarse
 Orangish brown sandy slightly clayey gravelly SILT. Sand is fine to coarse. Gravel comprises fine to coarse sub angular to sub rounded flint and chert. Occasional rootlets.

Waste Location



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS1--30102025-0.45		Non Hazardous		3
2	WS2--30102025-0.45		Non Hazardous		9
3	WS3--30102025-0.45		Non Hazardous		12
4	WS4--30102025-0.50		Non Hazardous		15
5	WS5--30102025-0.80		Non Hazardous		18
6	WS5--30102025-2.70		Non Hazardous		21
7	WS6--30102025-1.50		Non Hazardous		24

Related documents

#	Name	Description
1	25-059178_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
2	GESL Soils Waste Stream Template	waste stream template used to create this Job

Report

Created by: Anthony Potter

Created date: 10 Dec 2025 14:16 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	27
Appendix B: Rationale for selection of metal species	29
Appendix C: Version	30

Classification of sample: WS1--30102025-0.45

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

Sample details

Sample name:	LoW Code:
WS1--30102025-0.45	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
3.1%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.1% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				37	mg/kg	1.32	47.338	mg/kg	0.00473 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	barium { barium chromate }				76	mg/kg	1.845	135.848	mg/kg	0.0136 %	✓	
		233-660-5	10294-40-3									
3	beryllium { beryllium oxide }				0.74	mg/kg	2.775	1.99	mg/kg	0.000199 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
4	boron { diboron trioxide }				1	mg/kg	3.22	3.12	mg/kg	0.000312 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
5	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.332	mg/kg	0.0000332 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				21	mg/kg	1.462	29.741	mg/kg	0.00297 %	✓	
		215-160-9	1308-38-9									
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
8	copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	28.366	mg/kg	0.00284 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
9	lead { lead chromate }			1	32	mg/kg	1.56	48.367	mg/kg	0.0031 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
10	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
11	nickel { nickel chromate }				32	mg/kg	2.976	92.288	mg/kg	0.00923 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
12	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				48	mg/kg	1.785	83.033	mg/kg	0.0083 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
14	zinc { zinc chromate }				110	mg/kg	2.774	295.696	mg/kg	0.0296 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
15	TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
20	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]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<LOD
21	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
22	pH PH				7.4 pH		7.4 pH	7.4 pH			
23	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	phenanthrene 201-581-5	85-01-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	anthracene 204-371-1	120-12-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	fluoranthene 205-912-4	206-44-0			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene 204-927-3	129-00-0			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
32	chrysene 601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
33	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
34	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
35	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
36	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
37	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
38	benzo[ghi]perylene 205-883-8	191-24-2			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
39	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane 602-045-00-7	200-024-3	50-29-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
40	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan 602-047-00-8	200-349-0	57-74-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
41	hexachlorocyclohexanes, including lindane 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		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
42	dieldrin (ISO) 602-049-00-9	200-484-5	60-57-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
43	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 602-051-00-X	200-775-7	72-20-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
44	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45	aldrin (ISO) 602-048-00-3	206-215-8	309-00-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
46	pentachlorobenzene 602-074-00-5	210-172-0	608-93-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
47	sulfur { sulphur dichloride } 016-013-00-X	234-129-0	10545-99-0		<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
48	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
49	alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide 616-015-00-6	240-110-8	15972-60-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
50	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate 015-056-00-1	220-147-6	2642-71-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
51	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate 015-039-00-9	201-676-1	86-50-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
52	bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate 607-699-00-7		82657-04-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
53	1,2,3-trichlorobenzene 201-757-1	87-61-6			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
54	1,3,5-trichlorobenzene 203-608-6	108-70-3			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
55	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate 015-071-00-3	207-432-0	470-90-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
56	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate 015-084-00-4	220-864-4	2921-88-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
57	chlorothalonil (ISO); tetrachloroisophthalonitrile 608-014-00-4	217-588-1	1897-45-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
58	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate 015-044-00-6	212-324-1	786-19-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
59	cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)- 2,2-dimethylcyclopropanecarboxylate 607-253-00-1	269-855-7	68359-37-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
60	lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro- 3,3,3-trifluoropropenyl)-2,2- dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2- dimethylcyclopropanecarboxylate (1:1) 607-252-00-6	415-130-7	91465-08-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
61	dichlobenil (ISO); 2,6-dichlorobenzonitrile 608-015-00-X	214-787-5	1194-65-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
62	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate 015-019-00-X	200-547-7	62-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
63	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate 015-051-00-4	200-480-3	60-51-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
64	deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate 607-319-00-X	258-256-6	52918-63-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
65	demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate 015-028-00-9	206-053-8	298-03-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
66	demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate 015-029-00-4	204-801-8	126-75-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
67	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate 015-040-00-4	206-373-8	333-41-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
68	heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane 602-063-00-5	213-831-0	1024-57-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
69	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion 015-047-00-2	209-242-3	563-12-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
70	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate 015-122-00-X	253-855-9	38260-54-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
71	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate 015-048-00-8	200-231-9	55-38-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
72	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate 015-054-00-0	204-524-2	122-14-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
73	hexachlorobutadiene 201-765-5	87-68-3			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
74	isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene 602-050-00-4	207-366-2	465-73-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
75	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion] 015-041-00-X	204-497-7	121-75-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
76	methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2] 015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
77	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate 015-020-00-5	232-095-1	7786-34-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
78	omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate 015-066-00-6	214-197-8	1113-02-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
79	o,p'-DDD 200-166-6	53-19-0			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
80	o,p'-DDE 222-318-0	3424-82-6			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
81	o,p'-DDT 212-332-5	789-02-6			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
82	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2							
83	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-035-00-7	206-050-1	298-00-0							
84	pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-042-00-X	254-938-2	40487-42-1							
85	phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-033-00-6	206-052-2	298-02-2							
86	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0							
87	pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-099-00-6	245-704-0	23505-41-1							
88	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7							
89	p,p'-DDD				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		200-783-0	72-54-8							
90	p,p'-DDE				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		200-784-6	72-55-9							
91	propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	616-055-00-4	245-951-4	23950-58-5							
92	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	31218-83-4							
93	phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-022-00-6	236-116-5	13171-21-6							
94	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-140-00-8	245-986-5	24017-47-8							
95	tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-044-00-0	204-178-2	117-18-0							
96	triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	606-037-00-4	256-103-8	43121-43-3							
97	trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-046-00-1	216-428-8	1582-09-8							
98	endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	602-052-00-5	204-079-4	115-29-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
99	permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	613-058-00-2	258-067-9	52645-53-1							
Total:								0.0749 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
 Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.0136%)

Classification of sample: WS2--30102025-0.45

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

Sample details

Sample name:	LoW Code:
WS2--30102025-0.45	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
3.8%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				36 mg/kg	1.32	45.726	mg/kg	0.00457 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
2	barium { barium chromate }				80 mg/kg	1.845	141.965	mg/kg	0.0142 %	✓	
		233-660-5	10294-40-3								
3	beryllium { beryllium oxide }				0.75 mg/kg	2.775	2.002	mg/kg	0.0002 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
4	boron { diboron trioxide }				0.5 mg/kg	3.22	1.549	mg/kg	0.000155 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
5	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.33	mg/kg	0.000033 %	✓	
	048-002-00-0	215-146-2	1306-19-0								
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	30.932	mg/kg	0.00309 %	✓	
		215-160-9	1308-38-9								
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
8	copper { dicopper oxide; copper (I) oxide }				24 mg/kg	1.126	25.995	mg/kg	0.0026 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
9	lead { lead chromate }			1	98 mg/kg	1.56	147.053	mg/kg	0.00943 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
11	nickel { nickel chromate }				32 mg/kg	2.976	91.621	mg/kg	0.00916 %	✓	
	028-035-00-7	238-766-5	14721-18-7								
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5								
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				47 mg/kg	1.785	80.715	mg/kg	0.00807 %	✓	
	023-001-00-8	215-239-8	1314-62-1								
14	zinc { zinc chromate }				110 mg/kg	2.774	293.56	mg/kg	0.0294 %	✓	
	024-007-00-3	236-878-9	13530-65-9								
15	TPH (C6 to C40) petroleum group				<10 mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
20	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]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<LOD
21	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
22	pH PH				6.8 pH		6.8 pH	6.8 pH			
23	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	phenanthrene 201-581-5	85-01-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	anthracene 204-371-1	120-12-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	fluoranthene 205-912-4	206-44-0			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene 204-927-3	129-00-0			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
32	chrysene 601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
33	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
34	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
35	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
36	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
37	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
38	benzo[ghi]perylene 205-883-8	191-24-2			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
39	sulfur { sulphur dichloride } 016-013-00-X	234-129-0	10545-99-0		<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
40	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.0809 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.0142%)

Classification of sample: WS3--30102025-0.45

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

Sample details

Sample name:	LoW Code:
WS3--30102025-0.45	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
4% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 4% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				89 mg/kg	1.32	112.809 mg/kg	0.0113 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		barium { barium chromate }				38 mg/kg	1.845	67.293 mg/kg	0.00673 %	✓		
			233-660-5	10294-40-3								
3		beryllium { beryllium oxide }				0.89 mg/kg	2.775	2.371 mg/kg	0.000237 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
4		boron { diboron trioxide }				0.4 mg/kg	3.22	1.236 mg/kg	0.000124 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
5		cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.329 mg/kg	0.0000329 %	✓		
		048-002-00-0	215-146-2	1306-19-0								
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	30.868 mg/kg	0.00309 %	✓		
			215-160-9	1308-38-9								
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
8		copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	21.617 mg/kg	0.00216 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
9		lead { lead chromate }			1	18 mg/kg	1.56	26.954 mg/kg	0.00173 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
10		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
11		nickel { nickel chromate }				61 mg/kg	2.976	174.29 mg/kg	0.0174 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
12		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				48 mg/kg	1.785	82.261 mg/kg	0.00823 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
14		zinc { zinc chromate }				120 mg/kg	2.774	319.582 mg/kg	0.032 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD	
				TPH								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<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]							
21	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									
22	pH				6.2 pH		6.2 pH	6.2 pH		
			P1186							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.083 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
 Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.00673%)

Classification of sample: WS4--30102025-0.50

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

Sample details

Sample name:	LoW Code:
WS4--30102025-0.50	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
6.9%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.9% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
1		arsenic { arsenic trioxide }				54 mg/kg	1.32	66.378 mg/kg	0.00664 %	✓	
		033-003-00-0	215-481-4	1327-53-3							
2		barium { barium chromate }				88 mg/kg	1.845	151.129 mg/kg	0.0151 %	✓	
			233-660-5	10294-40-3							
3		beryllium { beryllium oxide }				1.7 mg/kg	2.775	4.393 mg/kg	0.000439 %	✓	
		004-003-00-8	215-133-1	1304-56-9							
4		boron { diboron trioxide }				0.7 mg/kg	3.22	2.098 mg/kg	0.00021 %	✓	
		005-008-00-8	215-125-8	1303-86-2							
5		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
		048-002-00-0	215-146-2	1306-19-0							
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				41 mg/kg	1.462	55.789 mg/kg	0.00558 %	✓	
			215-160-9	1308-38-9							
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
		024-017-00-8									
8		copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	19.916 mg/kg	0.00199 %	✓	
		029-002-00-X	215-270-7	1317-39-1							
9		lead { lead chromate }			1	17 mg/kg	1.56	24.687 mg/kg	0.00158 %	✓	
		082-004-00-2	231-846-0	7758-97-6							
10		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7							
11		nickel { nickel chromate }				57 mg/kg	2.976	157.941 mg/kg	0.0158 %	✓	
		028-035-00-7	238-766-5	14721-18-7							
12		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5							
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				71 mg/kg	1.785	118.003 mg/kg	0.0118 %	✓	
		023-001-00-8	215-239-8	1314-62-1							
14		zinc { zinc chromate }				140 mg/kg	2.774	361.582 mg/kg	0.0362 %	✓	
		024-007-00-3	236-878-9	13530-65-9							
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
				TPH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
20	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]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<LOD
21	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
22	pH		PH		6.9 pH		6.9 pH	6.9 pH			
23	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	phenanthrene 201-581-5	85-01-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	anthracene 204-371-1	120-12-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	fluoranthene 205-912-4	206-44-0			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene 204-927-3	129-00-0			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
32	chrysene 601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
33	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
34	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
35	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
36	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
37	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
38	benzo[ghi]perylene 205-883-8	191-24-2			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
39	sulfur { sulphur dichloride } 016-013-00-X	234-129-0	10545-99-0		<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
40	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.0953 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.0151%)

Classification of sample: WS5--30102025-0.80

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

Sample details

Sample name:	LoW Code:
WS5--30102025-0.80	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				39 mg/kg	1.32	44.284 mg/kg	0.00443 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		barium { barium chromate }				59 mg/kg	1.845	93.598 mg/kg	0.00936 %	✓		
			233-660-5	10294-40-3								
3		beryllium { beryllium oxide }				1.5 mg/kg	2.775	3.58 mg/kg	0.000358 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
4		boron { diboron trioxide }				0.7 mg/kg	3.22	1.938 mg/kg	0.000194 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
5		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				36 mg/kg	1.462	45.25 mg/kg	0.00452 %	✓		
			215-160-9	1308-38-9								
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
8		copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	15.492 mg/kg	0.00155 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
9		lead { lead chromate }			1	15 mg/kg	1.56	20.122 mg/kg	0.00129 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
10		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
11		nickel { nickel chromate }				44 mg/kg	2.976	112.622 mg/kg	0.0113 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
12		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				68 mg/kg	1.785	104.398 mg/kg	0.0104 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
14		zinc { zinc chromate }				100 mg/kg	2.774	238.577 mg/kg	0.0239 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD	
				TPH								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<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]							
21	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									
22	pH				7.2 pH		7.2 pH	7.2 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0673 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)

because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.00936%)

Classification of sample: WS5--30102025-2.70

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

Sample details

Sample name:	LoW Code:
WS5--30102025-2.70	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
10%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				82 mg/kg	1.32	97.44	mg/kg	0.00974 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
2	barium { barium chromate }				35 mg/kg	1.845	58.107	mg/kg	0.00581 %	✓	
		233-660-5	10294-40-3								
3	beryllium { beryllium oxide }				1.4 mg/kg	2.775	3.497	mg/kg	0.00035 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
4	boron { diboron trioxide }				0.3 mg/kg	3.22	0.869	mg/kg	0.0000869 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
5	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.308	mg/kg	0.0000308 %	✓	
	048-002-00-0	215-146-2	1306-19-0								
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				34 mg/kg	1.462	44.724	mg/kg	0.00447 %	✓	
		215-160-9	1308-38-9								
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
8	copper { dicopper oxide; copper (I) oxide }				22 mg/kg	1.126	22.293	mg/kg	0.00223 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
9	lead { lead chromate }			1	19 mg/kg	1.56	26.673	mg/kg	0.00171 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
11	nickel { nickel chromate }				73 mg/kg	2.976	195.541	mg/kg	0.0196 %	✓	
	028-035-00-7	238-766-5	14721-18-7								
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5								
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				92 mg/kg	1.785	147.813	mg/kg	0.0148 %	✓	
	023-001-00-8	215-239-8	1314-62-1								
14	zinc { zinc chromate }				200 mg/kg	2.774	499.346	mg/kg	0.0499 %	✓	
	024-007-00-3	236-878-9	13530-65-9								
15	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10	mg/kg	<0.001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<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]								
21	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										
22	pH				6.3 pH		6.3 pH	6.3 pH			
			PH								
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
29	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			P1186								
Total:									0.109 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.00581%)

Classification of sample: WS6--30102025-1.50

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

Sample details

Sample name:	LoW Code:
WS6--30102025-1.50	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
6.5% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 6.5% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				29 mg/kg	1.32	35.801 mg/kg	0.00358 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		barium { barium chromate }				44 mg/kg	1.845	75.889 mg/kg	0.00759 %	✓		
			233-660-5	10294-40-3								
3		beryllium { beryllium oxide }				0.74 mg/kg	2.775	1.92 mg/kg	0.000192 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
4		boron { diboron trioxide }				0.3 mg/kg	3.22	0.903 mg/kg	0.0000903 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
5		cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.427 mg/kg	0.0000427 %	✓		
		048-002-00-0	215-146-2	1306-19-0								
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				26 mg/kg	1.462	35.53 mg/kg	0.00355 %	✓		
			215-160-9	1308-38-9								
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
8		copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	20.001 mg/kg	0.002 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
9		lead { lead chromate }			1	12 mg/kg	1.56	17.501 mg/kg	0.00112 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
10		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
11		nickel { nickel chromate }				38 mg/kg	2.976	105.747 mg/kg	0.0106 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
12		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				60 mg/kg	1.785	100.149 mg/kg	0.01 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
14		zinc { zinc chromate }				150 mg/kg	2.774	389.074 mg/kg	0.0389 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD	
				TPH								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<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]							
21	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									
22	pH				6.7 pH		6.7 pH	6.7 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0777 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.00759%)

Appendix A: Classifier defined and non GB MCL determinands

■ **barium chromate** (EC Number: 233-660-5, CAS Number: 10294-40-3)

Description/Comments: Sigma Aldrich SDS Version 7.9 dated 25/06/2025

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/38286>

https://www.sigmaaldrich.com/US/en/sds/aldrich/401056?srsltid=AfmBOorqFkE8nGErL6ULp-1bo_r5JSc5ZJAukYShveKNHLHdVi5A4WwU

Data source date: 25 Jun 2025

Hazard Statements: Ox. Sol. 2; H272 , Acute Tox. 4; H302 , Acute Tox. 4; H332 , Carc. 1B; H350

■ **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

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

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015

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

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

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

GB MCL index number: 006-007-00-5

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

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

Reason for additional Hazards Statement(s):

20 Nov 2021 - 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

■ **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

■ **1,2,3-trichlorobenzene** (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

■ **1,3,5-trichlorobenzene** (EC Number: 203-608-6, CAS Number: 108-70-3)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/134881>

Data source date: 20 Jul 2023

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 2; H411

■ **hexachlorobutadiene** (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **o,p'-DDD** (EC Number: 200-166-6, CAS Number: 53-19-0)

Description/Comments: other names: Mitotane; o,p'-TDE; 2,4'-DDD; 2,4'-TDE;
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/10014>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 4; H312 , Carc. 2; H351 , Repr. 1A; H360FD , STOT RE 1; H372 , Aquatic Acute 1; H400 (M=100) , Aquatic Chronic 1; H410 (M=100)

• **o,p'-DDE** (EC Number: 222-318-0, CAS Number: 3424-82-6)

Description/Comments: other names: 2,4'-DDE; 2,2,o,p'-tetrachlorovinylidenebisbenzene
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/101358>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 4; H302 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **o,p'-DDT** (EC Number: 212-332-5, CAS Number: 789-02-6)

Description/Comments: other names: 2,4'-DDT; 2,2,2,o,p'-pentachloroethylidenebisbenzene
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/82255>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 3; H311 , Acute Tox. 2; H330 , Carc. 2; H351 , STOT RE 1; H372 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **p,p'-DDD** (EC Number: 200-783-0, CAS Number: 72-54-8)

Description/Comments: other names: Rhothane; p,p'-TDE; 4,4'-DDD; 4,4'-TDE;
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/21283>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **p,p'-DDE** (EC Number: 200-784-6, CAS Number: 72-55-9)

Description/Comments: other names: 4,4'-DDE; 2,2-bis(p-chlorophenyl)-1,1-dichloroethylene
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/21845>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

barium {barium chromate}

Worst case species selected

beryllium {beryllium oxide}

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

boron {diboron trioxide}

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

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. 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

chromium in Cr(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

chromium in Cr(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species based on hazard statements/molecular weight

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected.

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species selected

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight

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]

sulfur {sulphur dichloride}

Worst case species selected

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
 HazWasteOnline Classification Engine Version: 2025.343.6918.12497 (09 Dec 2025)
 HazWasteOnline Database: 2025.339.6914.12493 (07 Dec 2025)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

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 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

GB MCL List - version 1.1 of 09 June 2021

GB MCL List v2.0 - version 2.0 of 20th October 2023

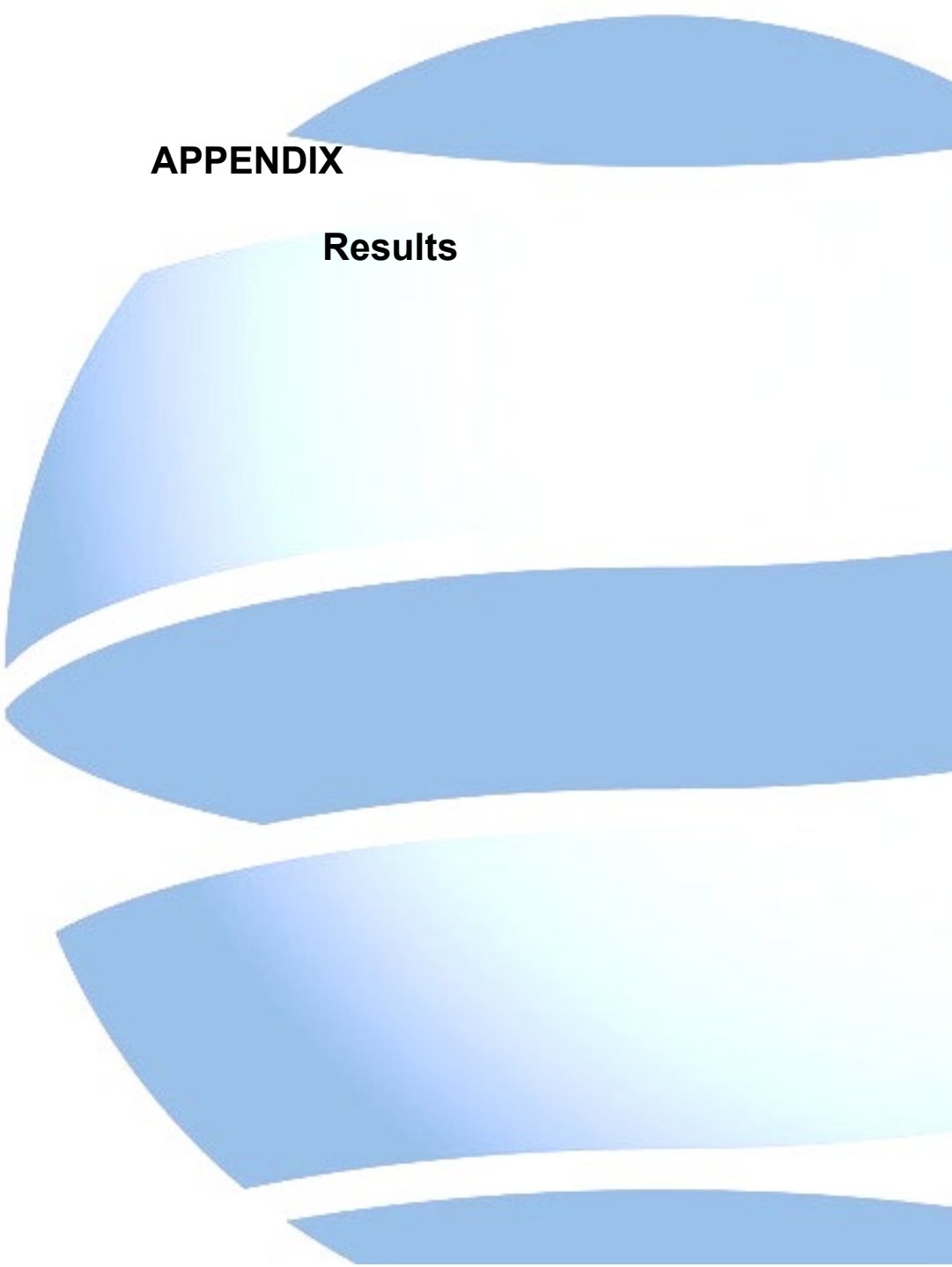
GB MCL List v3.0 - version 3.0 of 11th January 2024

GB MCL List v4.0 - version 4.0 of 2nd March 2024

GB MCL List v5.0 - version 5.0 of 26th June 2024

GB MCL List v6.0 - version 6.0 of 15th February 2025

GB MCL List v7.0 - version 7.0 of 23rd September 2025

The background features a series of overlapping, wavy blue shapes that create a sense of movement and depth. These shapes are in various shades of blue, from a deep cerulean to a lighter, almost white, sky blue. They are positioned primarily on the right side of the page, with some extending towards the center.

APPENDIX

Results

WS5

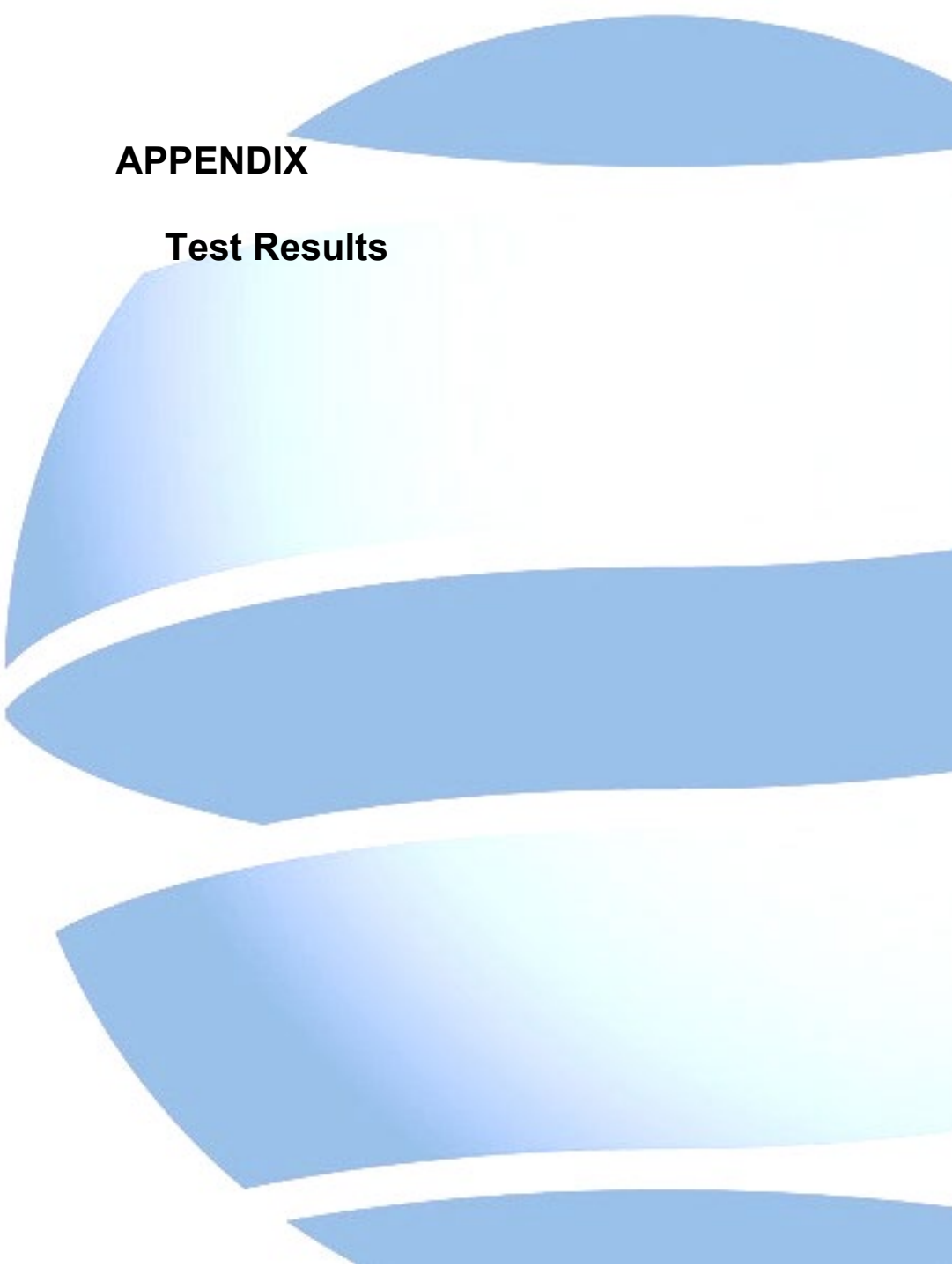
Diameter	0.065	Effective Depth	4.805
Depth to End of Casing		Depth at Start	1.77
Depth to top of permeable Soil		Max water drop	4.7
Depth to Groundwater Surface		Total Soakage Test Time	15
		Mean Internal discharge area	0.493667
		Discharge rate	1.039871 litres/min
		Soakage Rate	2.106423
		Infiltration Rate	3.51E-05

WS6

Diameter	0.065	Effective Depth	4.04
Depth to End of Casing		Depth at Start	3.34
Depth to top of permeable Soil		Max water drop	4.04
Depth to Groundwater Surface		Total Soakage Test Time	1.33
		Mean Internal discharge area	0.415599
		Discharge rate	10.08098
		Soakage Rate	24.25652
		Infiltration Rate	0.000404

WS2

Diameter	0.065	Effective Depth	3.9
Depth to End of Casing		Depth at Start	0.25
Depth to top of permeable Soil		Max water drop	1.02
Depth to Groundwater Surface		Total Soakage Test Time	60
		Mean Internal discharge area	0.401312
		Discharge rate	0.056419 litres/min
		Soakage Rate	0.140585
		Infiltration Rate	2.34E-06



APPENDIX

Test Results

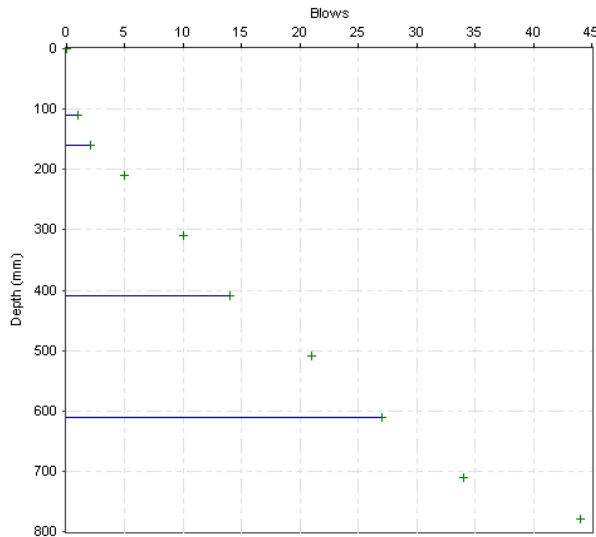
DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

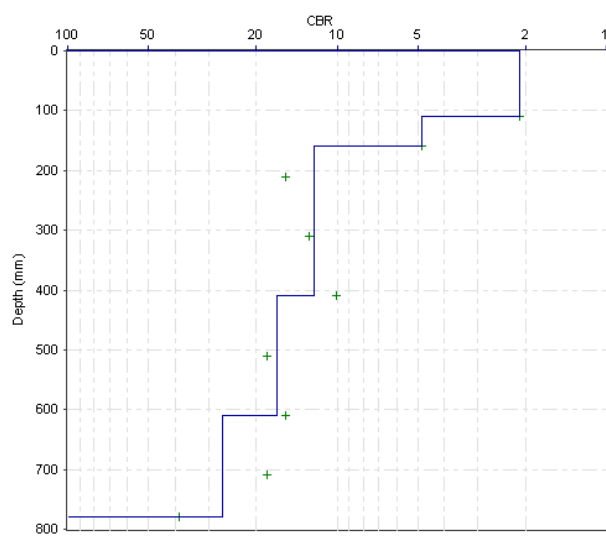
Chainage (km): 0.000
 Direction: 1
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 30/10/2025

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Dry
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 0.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	110.00	2	110	110
2	50.00	5	50	160
3	20.83	12	250	410
4	15.38	17	200	610
5	10.00	26	170	780

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

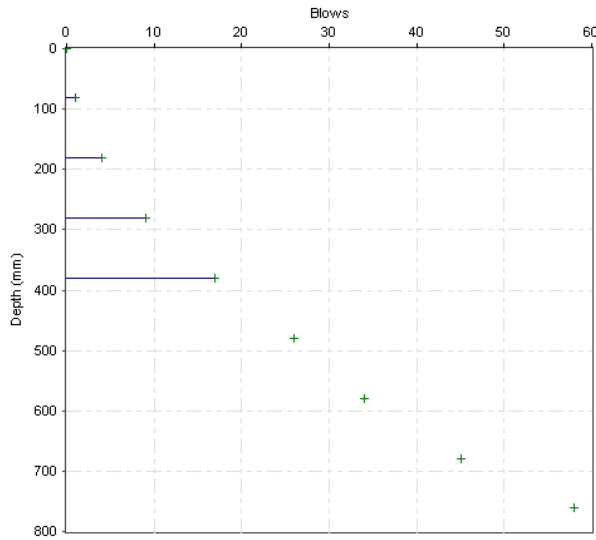
DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

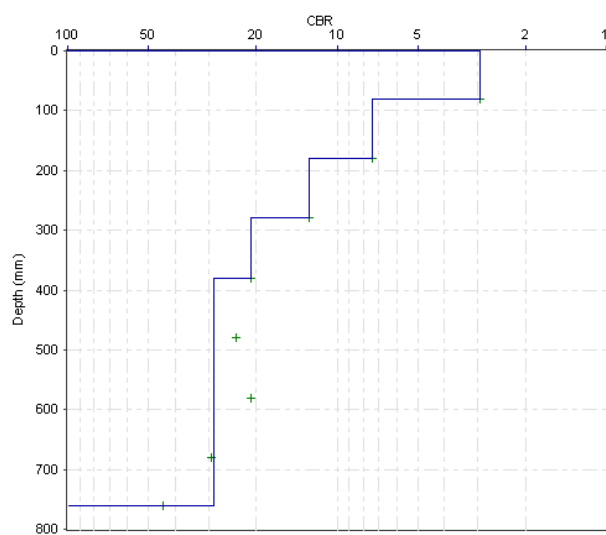
Chainage (km): 2.000
 Direction: 2
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 30/10/2025

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Dry
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 2.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	80.00	3	80	80
2	33.33	7	100	180
3	20.00	13	100	280
4	12.50	21	100	380
5	9.27	29	380	760

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

Chainage (km): 3.000

Direction:

Location/Offset: Lay-by / other

Cone Angle: 60 degrees

Zero Error (mm): 0

Test Date: 30/10/2025

Surface Type: Unpaved

Thickness (mm): 0

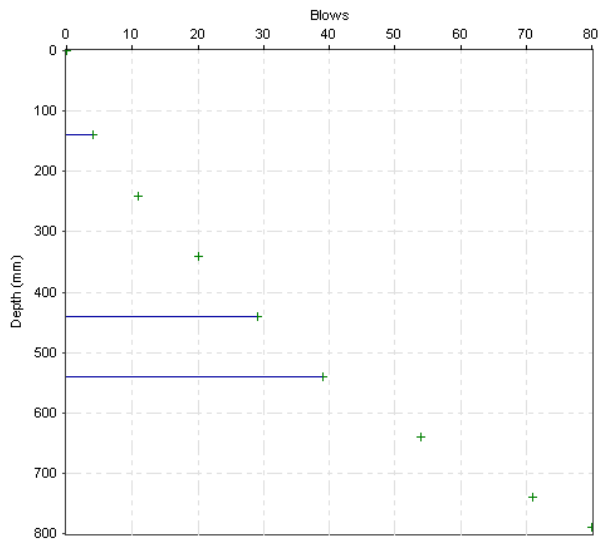
Base Type:

Thickness (mm):

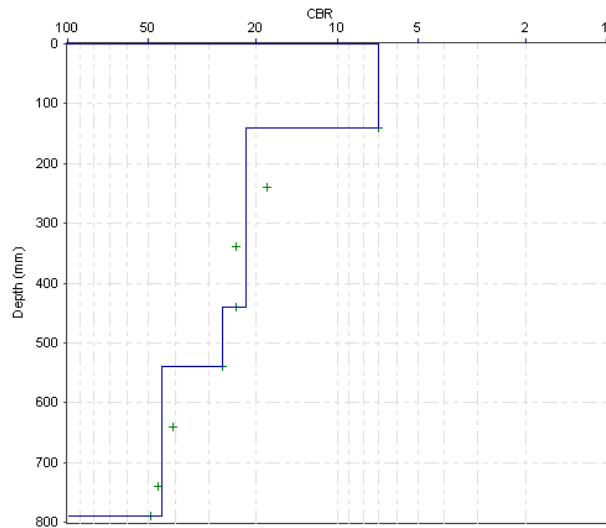
Surface Moisture: Dry

Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 3.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	35.00	7	140	140
2	12.00	22	300	440
3	10.00	26	100	540
4	6.10	45	250	790

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

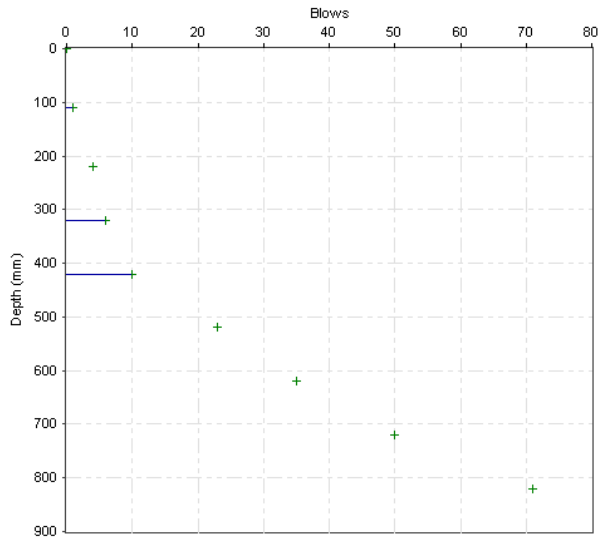
DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

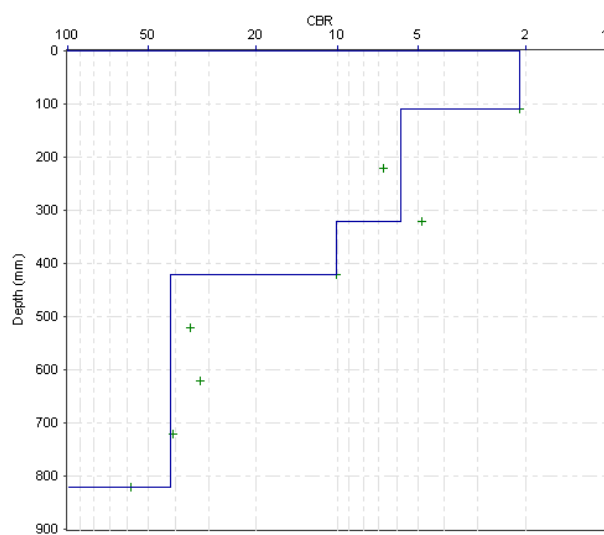
Chainage (km): 4.000
 Direction:
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 30/10/2025

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Dry
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 4.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	110.00	2	110	110
2	42.00	6	210	320
3	25.00	10	100	420
4	6.56	41	400	820

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

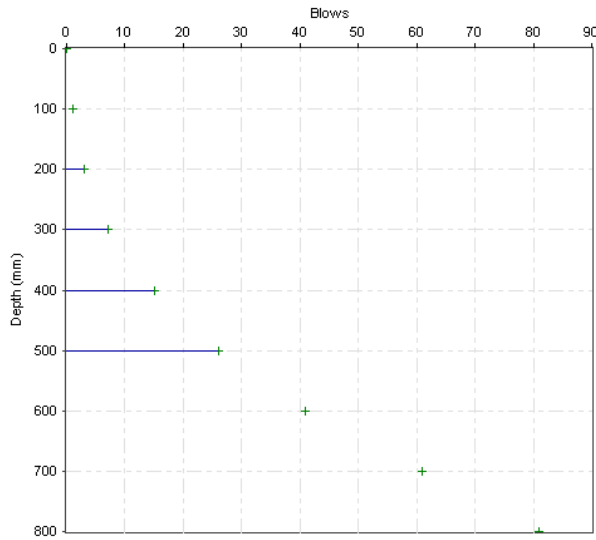
DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

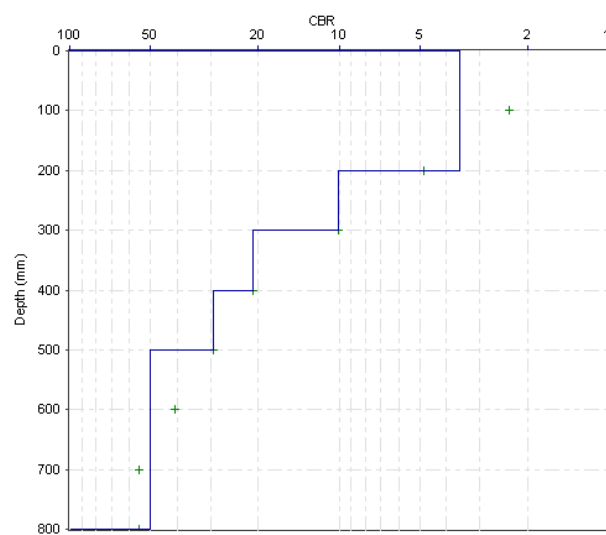
Chainage (km): 5.000
 Direction:
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 30/10/2025

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Dry
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 5.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	66.67	4	200	200
2	25.00	10	100	300
3	12.50	21	100	400
4	9.09	29	100	500
5	5.45	50	300	800

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

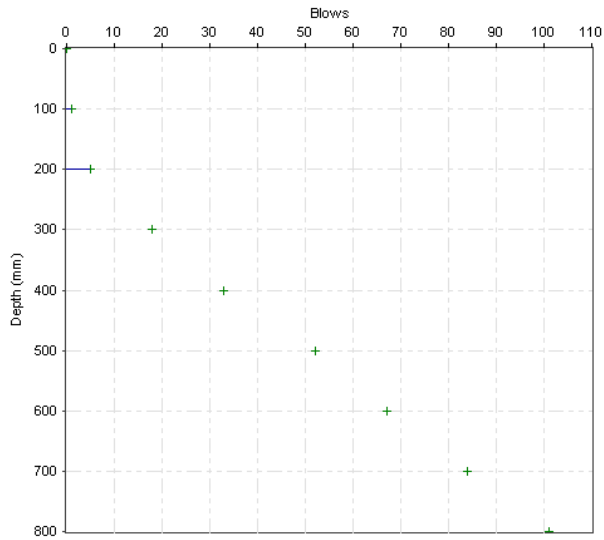
DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

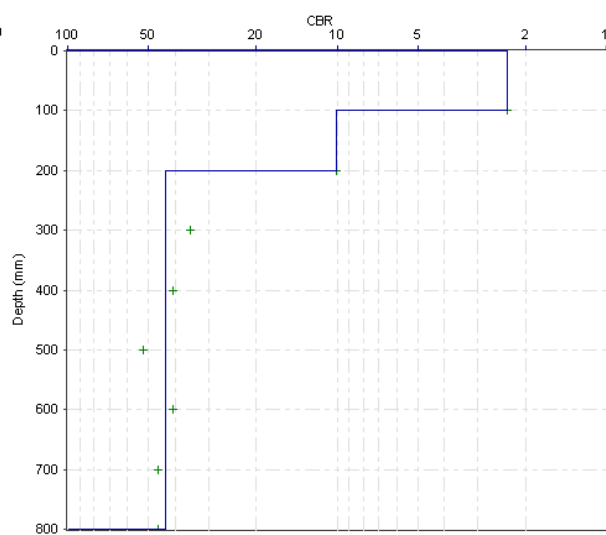
Chainage (km): 6.000
 Direction:
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 30/10/2025

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Dry
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 6.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	100.00	2	100	100
2	25.00	10	100	200
3	6.25	44	600	800

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by



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FIGURES



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Client

MARTIN GRANT HOMES

Project Title

LONDON ROAD,
HITCHIN

Drawing Title

SITE LOCATION PLAN

Rev	Drawn	Date	Checked	Date	Approved	Date
01	ASC	03.01.19	SM	03.01.19	SM	03.01.19
Dimensions		Scale		Original Size		
m		1:50,000		A4		

Project Number

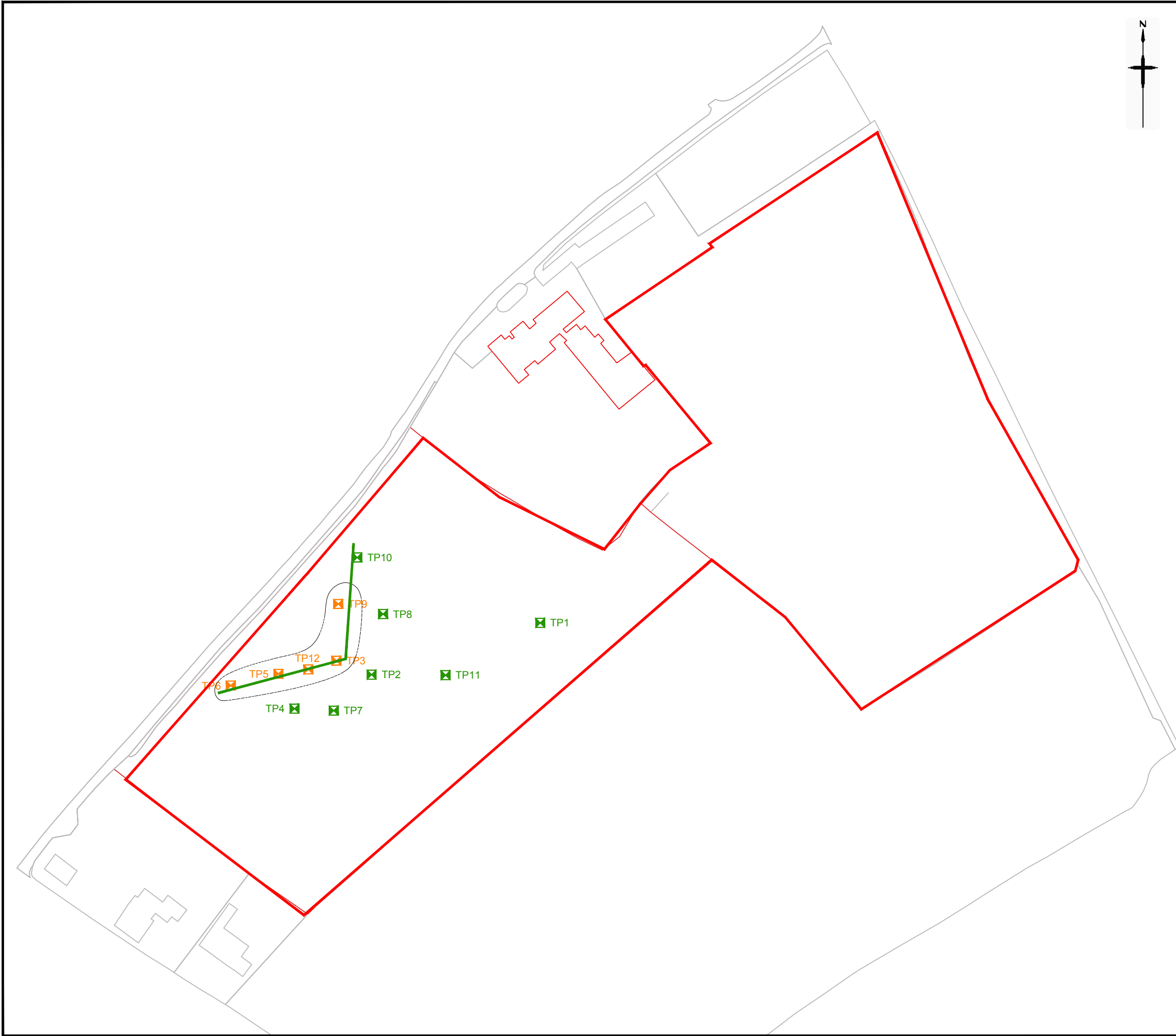
1920378 - L01

Drawing File

1920378 - SLP.dwg

Drawing Number

FIGURE 1



LEGEND

- Site Boundary
- Section Line (See Figure 3)
- Area of Infilled Material Encountered
- Trial Pit Location
- Trial Pit Location with Suspected Infilled Material Encountered

Rev.	Date	Amendment	Drawn	Chkd.	Appd.



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Client

MARTIN GRANT HOMES LTD

Project Title

LONDON ROAD,
HITCHIN

Drawing Title

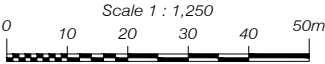
EXPLORATORY HOLE
LOCATION PLAN

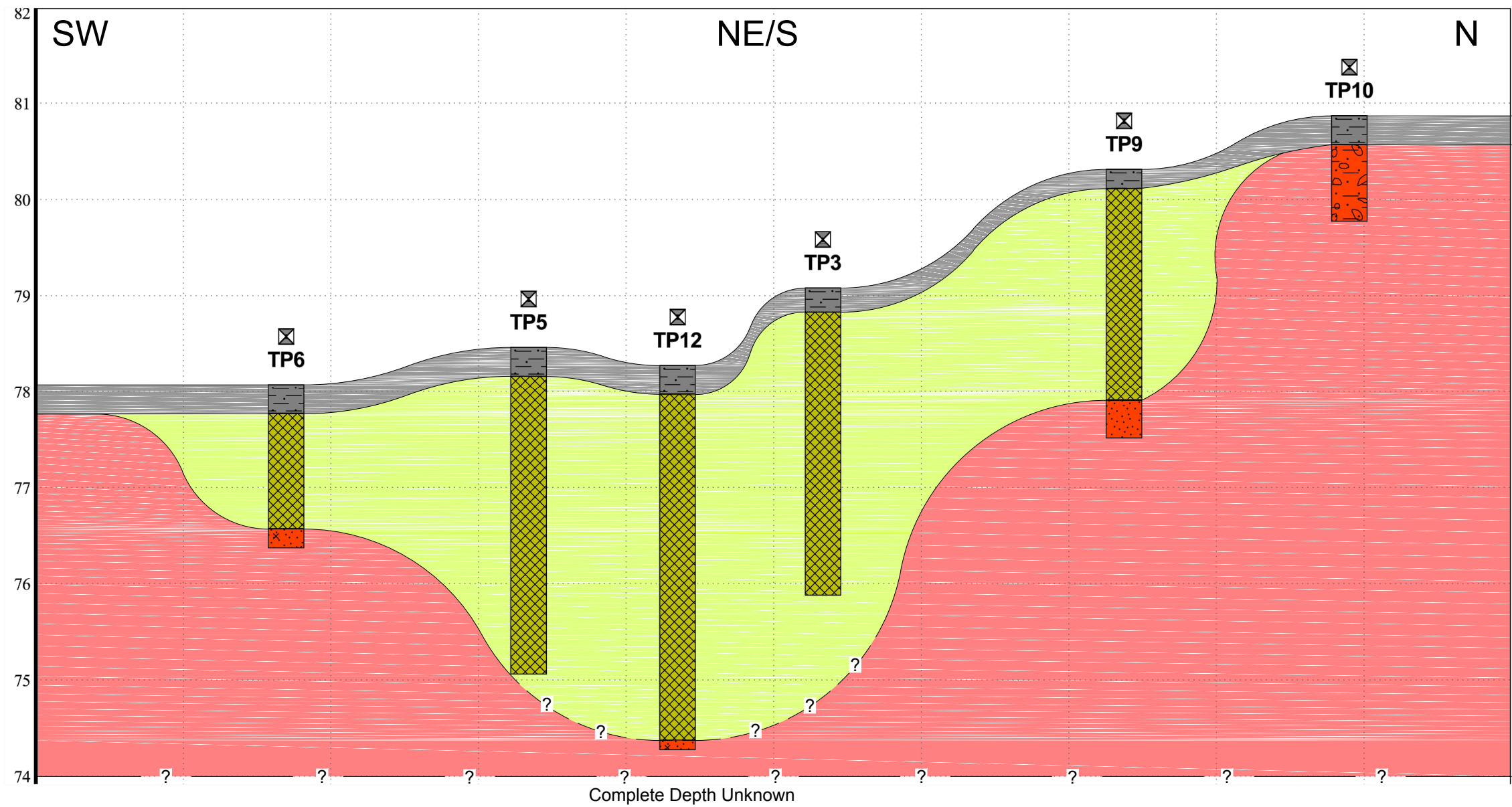
Drawn	Date	Checked	Date	Approved	Date
ASC	03.01.19	SM	03.01.19	SM	03.01.19

Scale	Orig Size	Dimensions
1:1250	A3	m

Project No.	Drawing File
1920378 - L01	1920378 (L01) Fig 2.dwg

Drawing No.	Rev.
FIGURE 2	P1





LEGEND

- Topsoil
- Made Ground (Suspected Infilled Sand Pit)
- Glaciofluvial Deposits

Rev.	Date	Amendment	Drawn	Chkd.	Appd.



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Web: www.rsk.co.uk

Client	MARTIN GRANT HOMES
--------	--------------------

Project Title	HITCHIN, LONDON ROAD
---------------	-------------------------

Drawing Title	GEOLOGICAL CROSS SECTION PLAN
---------------	-------------------------------------

Drawn ASC	Date 03.01.19	Checked SM	Date 03.01.19	Approved SM	Date 03.01.19
Scale NTS	Orig Size A3	Dimensions m			

Project No. 1920378 - L01	Drawing File 1920378 (L01) Fig 3.dwg
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Drawing No. FIGURE 3	Rev. P1
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APPENDIX A

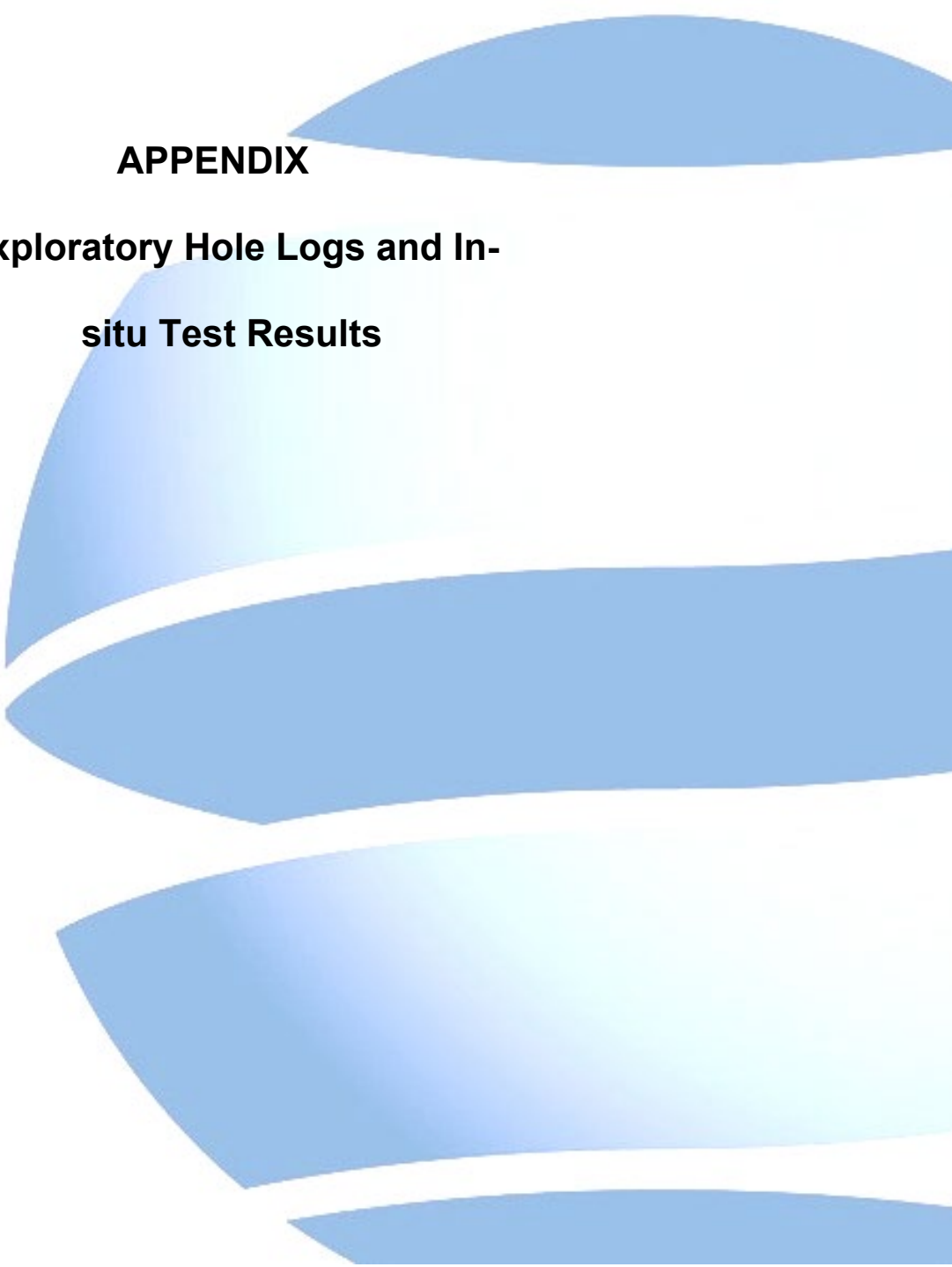
SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for Martin Grant Homes Ltd (the "client") in accordance with the terms of a contract [RSK Group Standard Terms and Conditions] RSK and the "client", dated 21 November 2018. The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.
2. Other than that, expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
3. Unless otherwise agreed in writing the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.
4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK 's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, invasive plants, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials, unless specifically identified in the Services.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a visual inspection of the site together with RSK's interpretation of information, including documentation, obtained from third parties and from the client on the history and usage of the site, unless specifically identified in the Services or accreditation system (such as UKAS ISO 17020:2012 clause 7.1.6):
 - a. the Services were based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely
 - b. the Services were limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the visual inspection
 - c. the Services did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services.

RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the

doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.

8. The intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined locations based on the known historic / operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the properties of the materials adjacent and local conditions, together with the position of any current structures and underground utilities and facilities, and natural and other activities on-site. In addition, chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information,] and it should not be inferred that other chemical species are not present.
9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (intrusive and sample locations etc) annotated on-site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.



APPENDIX

Exploratory Hole Logs and In- situ Test Results

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS1 Sheet 1 of 1	
Project Name: Mill Lane		Project No. GE23305		Co-ords:		Hole Type WLS	
Location: Hitchin				Level:		Scale 1:30	
Client: Martin Grant Homes				Dates: 30/10/2025		Logged By HN	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.45	ES	N=81 (10,9/81 for 275mm)	0.30		Grass over brown slightly gravelly silt. Gravel comprises fine to medium sub angular to rounded flint and chert. TOPSOIL		
					0.50		Orangish brown very gravelly slightly sandy silt. Sand is fine. Gravel comprises fine to coarse sub angular to sub rounded flint and chert. Occasional brick. MADE GROUND		
		1.00	SPT		1.30		Very dense orangish brown silty sandy slightly clayey GRAVEL. Sand is coarse. Gravel comprises mostly coarse some medium to fine angular to sub rounded flint and chert. Occasional fine to medium gravel sized pockets of fine sand. GLACIOFLUVIAL DEPOSITS	1	
							End of Borehole at 1.30m	2	
								3	
								4	
								5	
								6	

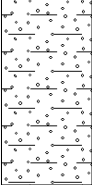
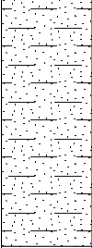
Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	 Status FINAL
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		
					Dynamic from 1.30m	

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS2 Sheet 1 of 1		
Project Name: Mill Lane				Project No. GE23305		Co-ords:		Hole Type WLS		
Location: Hitchin				Level:		Scale 1:30				
Client: Martin Grant Homes				Dates: 30/10/2025		Logged By HN				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
								Grass over brown slightly sandy silt. Sand is fine. Frequent large rootlets. TOPSOIL		
		0.45	ES		0.30			Brown sandy slightly clayey gravelly SILT. Sand is fine to coarse. Gravel comprises fine to coarse sub angular to sub rounded flint and chert. Occasional rootlets. GLACIOFLUVIAL DEPOSITS		
		1.00	SPT	N=24 (4,4/6,7,7,4)	0.60			Orangish brown silty sandy slightly clayey GRAVEL. Sand is coarse. Gravel comprises mostly coarse some fine to medium sub angular to subrounded flint and chert. GLACIOFLUVIAL DEPOSITS	1	
		1.30	D		1.10			Very stiff orangish brown sandy CLAY with frequent fine to coarse gravel sized pockets/lenses of sand. Sand is coarse. GLACIOFLUVIAL DEPOSITS		
		1.60	D							
		2.00	B		1.82			Medium dense yellow fine SAND. GLACIOFLUVIAL DEPOSITS	2	
		2.00	SPT	N=15 (4,4/4,3,4,4)						
		3.00	SPT	N=13 (2,1/3,3,3,4)				3		
		4.00	SPT	N=18 (4,3/4,4,5,5)	4.00			4		
End of Borehole at 4.00m									4	
									5	
									6	
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks						
Depth Top	Depth Base	Diameter	Depth Strike							Rose To



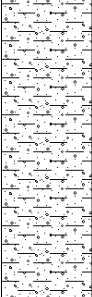
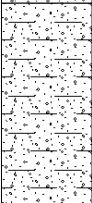
Status
FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log			Borehole No. WS3 Sheet 1 of 1	
Project Name: Mill Lane		Project No. GE23305		Co-ords:		Hole Type WLS
Location: Hitchin				Level:		Scale 1:30
Client: Martin Grant Homes				Dates: 30/10/2025		Logged By HN

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25		 Brown slightly gravelly silt with frequent rootlets. TOPSOIL		
		0.45	ES				 Orangish brown silty sandy slightly clayey GRAVEL. Sand is coarse. Gravel comprises fine to coarse sub angular to subrounded flint and chert. Occasional rootlets. GLACIOFLUVIAL DEPOSITS		
		1.00	SPT	N=74 (13,12/14,17,22,21)	1.00				
		1.30	D				 Very dense orangish brown clayey SAND with bands of gravel. Sand is coarse. Gravel comprises fine to coarse sub angular to subrounded flint and chert. GLACIOFLUVIAL DEPOSITS	1	
		1.90	D						
		2.00	SPT	N=67 (12,11/19,17,15,16)	2.00			2	
							End of Borehole at 2.00m		
								3	
								4	
								5	
								6	

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
					Terminated at 2.00m due to refusal

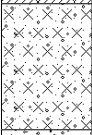
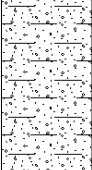
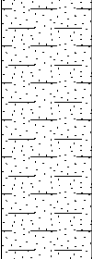
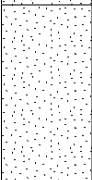
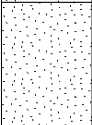

 Status
 FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS4 Sheet 1 of 1	
Project Name: Mill Lane				Project No. GE23305		Co-ords:		Hole Type WLS	
Location: Hitchin				Level:		Scale 1:30			
Client: Martin Grant Homes				Dates: 30/10/2025		Logged By HN			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30			Grass over brown silt. Frequent rootlets. TOPSOIL	
		0.50	ES					Stiff orangish brown gravelly silty slightly sandy CLAY with occasional fine to medium gravel sized pockets of yellow clay. Sand is coarse. Gravel comprises fine to coarse sub angular to sub rounded flint and chert. Occasional rootlets. GLACIOFLUVIAL DEPOSITS	1
		1.00	SPT	N=29 (5,5/7,7,7,8)					
		1.30	D		1.50				
		1.90	D					Very dense orangish brown gravelly slightly clayey coarse sand with occasional fine to medium gravel sized pockets/lenses of clay. Becoming gravelly with depth. Gravel comprises fine to medium angular to sub rounded flint and chert. GLACIOFLUVIAL DEPOSITS Large root 70x20x20mm	2
		2.00	SPT	N=80 (14,14/80 for 275mm)					
					2.30				
					2.40			Orangish brown coarse SAND. GLACIOFLUVIAL DEPOSITS End of Borehole at 2.40m	
									3
									4
									5
									6
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks					
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Terminated at 2.40 due to refusal.				


Status
FINAL

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS5 Sheet 1 of 1		
Project Name: Mill Lane				Project No. GE23305		Co-ords:		Hole Type WLS		
Location: Hitchin				Level:		Scale 1:30				
Client: Martin Grant Homes				Dates: 30/10/2025		Logged By HN				
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
								Grass over dark brown gravelly clayey silt. Gravel comprises fine to coarse sub angular to sub rounded flint and chert. TOPSOIL		
					0.50					
		0.80	ES		0.70			Orangish brown silty sandy slightly clayey GRAVEL. Sand is coarse. Gravel comprises fine to coarse sub angular to subrounded flint and chert. GLACIOFLUVIAL DEPOSITS		
		1.00	SPT	N=37 (8,7/10,8,9,10)	0.90			Yellowish brown slightly gravelly clayey SAND. Sand is fine to coarse. Gravel comprises fine to coarse sub angular to subrounded flint and chert. GLACIOFLUVIAL DEPOSITS	1	
		1.20	D					Dense becoming medium dense orangish brown very gravelly clayey SAND with bands of fine sand. Sand is coarse. Gravel comprises fine to coarse sub angular to subrounded flint and chert. GLACIOFLUVIAL DEPOSITS <i>Band of yellowish brown fine sand</i>		
		1.80	D							
		2.00	SPT	N=30 (9,8/8,7,7,8)					2	
		2.70	D					<i>Band of orangish brown fine sand</i>		
		3.00	B							
		3.00	SPT	N=25 (6,6/6,6,6,7)				<i>Band of orangish brown fine sand</i>	3	
		4.00	SPT	N=10 (3,3/3,2,2,3)	4.00			End of Borehole at 4.00m	4	
									5	
									6	
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks						
Depth Top	Depth Base	Diameter	Depth Strike							Rose To
					 Status FINAL					

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS6 Sheet 1 of 1	
Project Name: Mill Lane		Project No. GE23305		Co-ords:		Hole Type WLS	
Location: Hitchin				Level:		Scale 1:30	
Client: Martin Grant Homes				Dates: 30/10/2025		Logged By HN	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.30			Grass over brown silt. Frequent rootlets TOPSOIL	1 2 3 4 5 6	
								Orangish brown sandy gravelly SILT. Gravel comprises fine to coarse sub rounded to sub angular flint and chert. Sand is fine. GLACIOFLUVIAL DEPOSITS		
		1.00	SPT	N=35 (6,6/8,9,9,9)	0.80			Dense orangish brown gravelly slightly clayey SAND with occasional fine to medium gravel sized pockets of yellow clay. Sand is coarse. Gravel comprises fine to coarse angular to sub rounded flint and chert. GLACIOFLUVIAL DEPOSITS		
								Orangish brown coarse SAND. GLACIOFLUVIAL DEPOSITS		
		1.50 1.60	ES D		1.50 1.70			Loose yellowish brown fine SAND with 50mm thick bands of clayey sand and bands of gravel. Gravel comprises fine to coarse angular to sub rounded flint and chert. GLACIOFLUVIAL DEPOSITS <i>Band of clayey sand</i> <i>Band of clayey sand</i> <i>Band of clayey sand</i> <i>Gravel band</i> <i>Band of clayey sand.</i>		
								Loose yellow fine SAND GLACIOFLUVIAL DEPOSITS		
		1.90 2.00	D SPT	N=5 (2,1/1,2,1,1)	2.80			Medium dense white mottled orange coarse SAND with occasional medium gravel sized pockets of clay. GLACIOFLUVIAL DEPOSITS		
							End of Borehole at 4.00m			
		3.00	SPT	N=7 (2,1/1,1,2,3)	3.50					
		3.50	B		4.00					
4.00	SPT	N=18 (4,3/5,4,4,5)								

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks	 Status FINAL
Depth Top	Depth Base	Diameter	Depth Strike	Rose To		

APPENDIX

**Ground Gas and
Groundwater Monitoring
Results**

Project: Mill Lane, Hitchin
Ref: GE23305
Client: Martin Grant Homes



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS2	07/11/25	0	0.2	0.2	20.7	0.0	0.1	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	07/11/25	10	0.2	1.1	20.7	0.0	0.1	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	07/11/25	20	0.2	1.1	20.3	0.0	0.1	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	07/11/25	30	0.2	1.2	20.1	0.0	0.1	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	07/11/25	60	0.2	1.3	19.9	0.0	0.1	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	07/11/25	90	0.2	1.4	19.8	0.0	0.1	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	07/11/25	120	0.2	1.4	19.8	0.0	0.1	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	07/11/25	180	0.2	1.4	19.8	0.0	0.1	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	07/11/25	0	0.2	0.3	20.8	0.0	0.2	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	07/11/25	10	0.2	1.2	2.6	0.0	0.2	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	07/11/25	20	0.2	1.2	20.0	0.0	0.2	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	07/11/25	30	0.2	1.2	19.7	0.0	0.2	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	07/11/25	60	0.2	1.2	19.6	0.0	0.2	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	07/11/25	90	0.2	1.1	19.7	0.0	0.2	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	07/11/25	120	0.2	1.1	19.8	0.0	0.2	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	07/11/25	180	0.2	1.1	19.8	0.0	0.2	995	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	07/11/25	0	0.2	0.2	21.2	0.0	0.2	996	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	07/11/25	10	0.2	1.3	20.9	0.0	0.2	996	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	07/11/25	20	0.2	1.3	20.4	0.0	0.2	996	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	07/11/25	30	0.2	1.3	20.2	0.0	0.2	996	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	07/11/25	60	0.2	1.4	20.1	0.0	0.2	996	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	07/11/25	90	0.2	1.4	20.1	0.0	0.2	996	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	07/11/25	120	0.2	1.4	20.1	0.0	0.2	996	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	07/11/25	180	0.2	1.4	20.1	0.0	0.2	996	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	20/11/25	0	0.3	0.3	21.1	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	20/11/25	10	0.4	1.4	21.0	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	20/11/25	20	0.4	1.4	20.7	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	20/11/25	30	0.4	1.4	20.5	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	20/11/25	60	0.4	1.5	20.3	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	20/11/25	90	0.4	1.5	20.3	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	20/11/25	120	0.3	1.5	20.3	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	20/11/25	180	0.3	1.5	20.3	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	20/11/25	0	0.3	0.2	21.1	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	20/11/25	10	0.3	0.9	21.1	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	20/11/25	20	0.3	0.9	20.8	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	20/11/25	30	0.3	0.9	20.7	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	20/11/25	60	0.3	0.9	20.6	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	20/11/25	90	0.3	0.9	20.6	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	20/11/25	120	0.3	1.0	20.6	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	20/11/25	180	0.3	1.0	20.5	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	20/11/25	0	0.3	0.2	21.1	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	20/11/25	10	0.3	0.9	21.0	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	20/11/25	20	0.3	0.9	20.8	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	20/11/25	30	0.3	0.9	20.8	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	20/11/25	60	0.3	0.9	20.7	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Mill Lane, Hitchin
Ref: GE23305
Client: Martin Grant Homes



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS6	20/11/25	90	0.3	0.9	20.7	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	20/11/25	120	0.3	0.9	20.7	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	20/11/25	180	0.3	0.9	20.7	0.0	0.0	1004	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	12/12/25	0	0.4	0.2	21.0	0.1	0.0	1006	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	12/12/25	10	0.4	1.1	20.8	0.1	0.0	1006	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	12/12/25	20	0.4	1.1	20.6	0.1	0.0	1006	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	12/12/25	30	0.4	1.1	20.5	0.1	0.0	1006	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	12/12/25	60	0.4	1.2	20.5	0.1	0.0	1006	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	12/12/25	90	0.4	1.2	20.5	0.1	0.0	1006	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	12/12/25	120	0.4	1.2	20.5	0.1	0.0	1006	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	12/12/25	180	0.4	1.2	20.5	0.1	0.0	1006	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	12/12/25	0	0.4	0.2	20.9	0.1	0.1	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	12/12/25	10	0.5	0.2	20.9	0.1	0.1	1007	Dry	0.001	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	12/12/25	20	0.5	0.7	20.6	0.1	0.1	1007	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	12/12/25	30	0.5	0.7	20.5	0.1	0.1	1007	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	12/12/25	60	0.5	0.6	20.5	0.1	0.1	1007	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	12/12/25	90	0.5	0.6	20.6	0.1	0.1	1007	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	12/12/25	120	0.5	0.5	20.6	0.1	0.1	1007	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	12/12/25	180	0.5	0.4	20.8	0.1	0.1	1007	Dry	0.001	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	12/12/25	0	0.4	0.2	21.0	0.1	0.0	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	12/12/25	10	0.4	0.9	21.0	0.1	0.0	1007	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	12/12/25	20	0.4	0.9	20.7	0.1	0.0	1007	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	12/12/25	30	0.4	0.9	20.6	0.1	0.0	1007	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	12/12/25	60	0.4	0.9	20.5	0.1	0.0	1007	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	12/12/25	90	0.4	0.9	20.5	0.1	0.0	1007	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	12/12/25	120	0.5	0.9	20.5	0.1	0.0	1007	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	12/12/25	180	0.4	0.9	20.4	0.1	0.0	1007	Dry	0.000	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	22/12/25	0	0.6	0.2	20.8	0.1	0.0	998	Dry	0.001	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	22/12/25	10	0.6	0.8	20.8	0.1	0.0	998	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	22/12/25	20	0.6	0.8	20.6	0.1	0.0	998	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	22/12/25	30	0.6	0.9	20.5	0.1	0.0	998	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	22/12/25	60	0.6	1.1	20.4	0.1	0.0	998	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	22/12/25	90	0.6	1.2	20.4	0.1	0.0	998	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	22/12/25	120	0.6	1.2	20.4	0.1	0.0	998	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS2	22/12/25	180	0.7	1.1	20.4	0.1	0.0	998	Dry	0.001	0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	22/12/25	0	0.5	0.2	20.8	0.0	0.0	998	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	22/12/25	10	0.5	1.4	20.6	0.0	0.0	998	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	22/12/25	20	0.5	1.4	20.0	0.0	0.0	998	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	22/12/25	30	0.6	1.4	19.7	0.0	0.0	998	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	22/12/25	60	0.5	1.3	19.7	0.0	0.0	998	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	22/12/25	90	0.5	1.2	19.8	0.0	0.0	998	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	22/12/25	120	0.5	1.2	20.0	0.0	0.0	998	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS5	22/12/25	180	0.5	0.9	20.3	0.0	0.0	998	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	22/12/25	0	0.5	0.2	20.7	-0.1	0.0	999	Dry	-0.001	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	22/12/25	10	0.4	1.2	20.7	-0.1	0.0	999	Dry	0.000	-0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Mill Lane, Hitchin
 Ref: GE23305
 Client: Martin Grant Homes

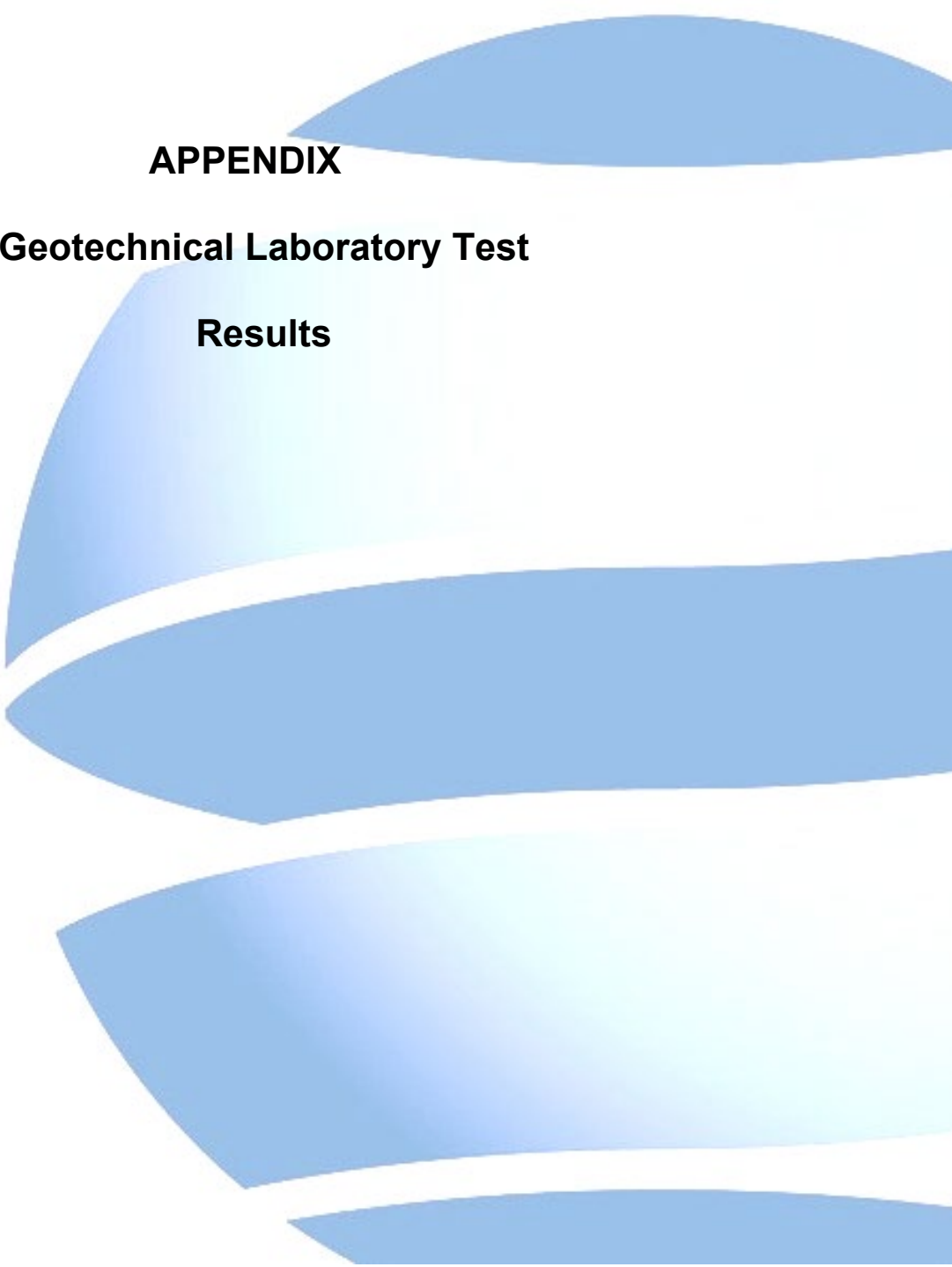


Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS6	22/12/25	20	0.5	1.2	20.3	-0.1	0.0	999	Dry	-0.001	-0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	22/12/25	30	0.5	1.2	20.2	-0.1	0.0	999	Dry	-0.001	-0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	22/12/25	60	0.5	1.2	20.1	-0.1	0.0	999	Dry	-0.001	-0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	22/12/25	90	0.5	1.1	20.2	-0.1	0.0	999	Dry	-0.001	-0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	22/12/25	120	0.4	1.0	20.2	-0.1	0.0	999	Dry	0.000	-0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS6	22/12/25	180	0.4	0.9	20.3	-0.1	0.0	999	Dry	0.000	-0.001	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	0								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	10								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	20								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	30								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	60								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	90								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	120								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	180								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	0								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	10								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	20								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	30								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	60								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	90								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	120								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	180								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	0								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	10								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	20								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	30								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	60								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	90								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	120								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	180								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	0								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	10								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	20								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	30								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	60								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	90								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	120								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	180								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	0								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	10								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	20								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	30								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	60								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	90								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	120								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	180								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	0								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	10								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	20								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	30								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	60								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	90								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	120								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	180								0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Mill Lane, Hitchin
Ref: GE23305
Client: Martin Grant Homes



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
-	-	20				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	30				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	60				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	90				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	120				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	180				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	0				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	10				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	20				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	30				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	60				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	90				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	120				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	180				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	0				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	10				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	20				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	30				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	60				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	90				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	120				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	180				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	0				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	10				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	20				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	30				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	60				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	90				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	120				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
-	-	180				-	-	-	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
Max values			0.7	1.5	21.2	0.1	0.2	1007.0	0.0	0.001	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
Min Vaules			0.2	0.2	2.6	-0.1	0.0	995.0	0.0	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
BH Flow LoD check			0.7	1.5	21.2	0.1	-	-	-	0.001	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN



APPENDIX

Geotechnical Laboratory Test Results



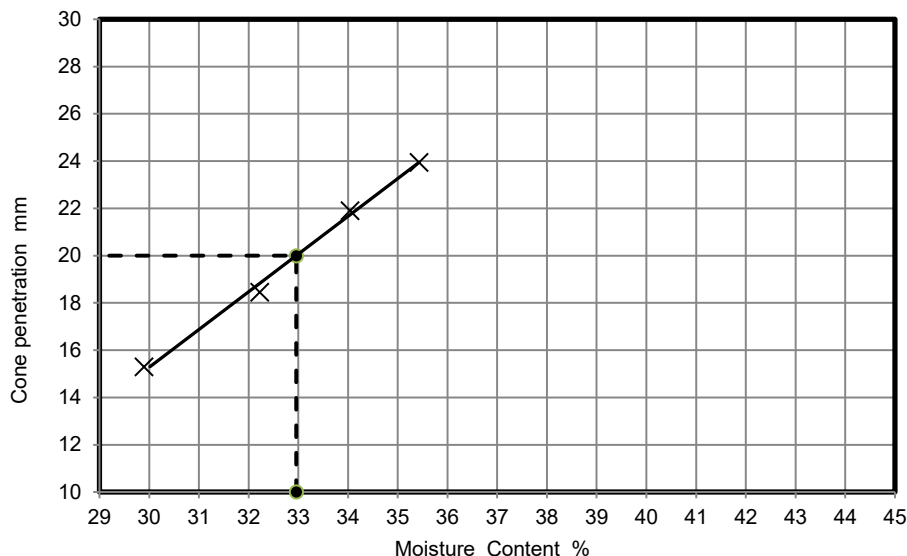
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	38095
Borehole/Pit No.	WS2
Sample No.	1
Depth Top	1.60 m
Depth Base	- m
Sample Type	D
Samples received	04/11/2025
Schedules received	06/11/2025
Project Started	07/11/2025
Date Tested	17/11/2025

Site Name Mill Lane Hitchin

Project No. GE23305 Client GESL

Soil Description Brown and yellowish brown slightly gravelly sandy silty CLAY (gravel is fmc and angular to sub-angular flint)

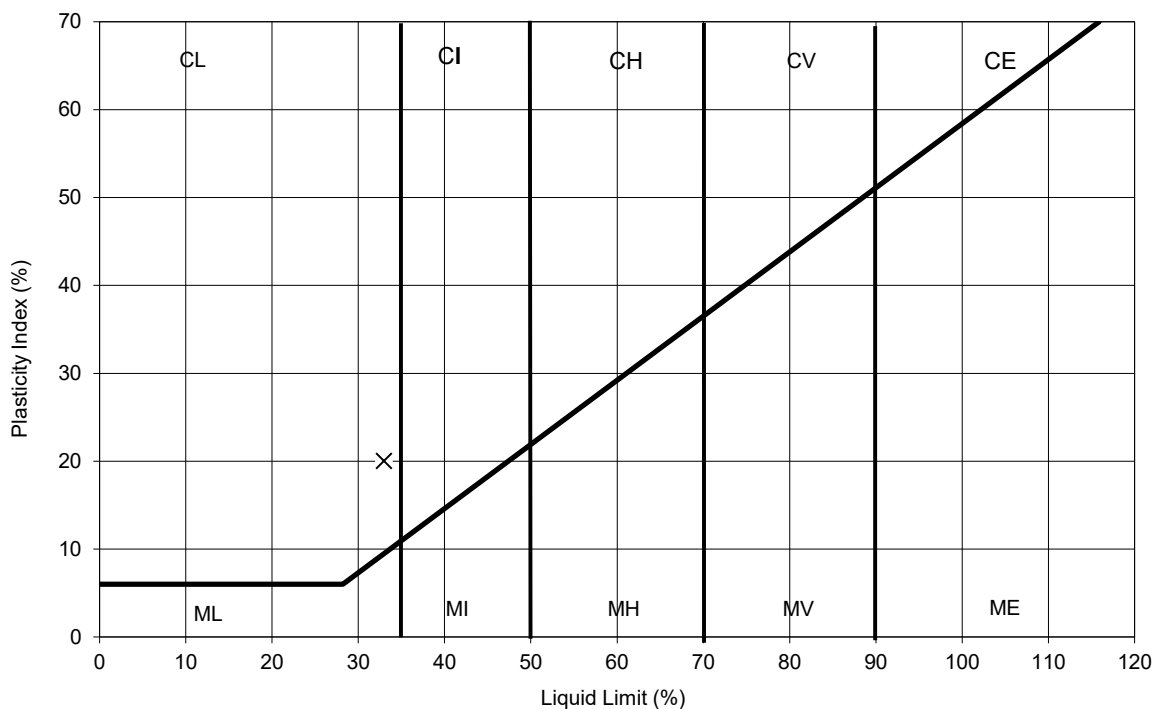


WATER CONTENT	10.7	%
% PASSING 425µm SIEVE	88	%
LIQUID LIMIT	33	%
PLASTIC LIMIT	13	%
PLASTICITY INDEX	20	%

Preparation Method	Tested after >425µm removed by hand
--------------------	-------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

Checked and Approved

Initials: J.P

Date: 20/11/2025

MSF-5 R2



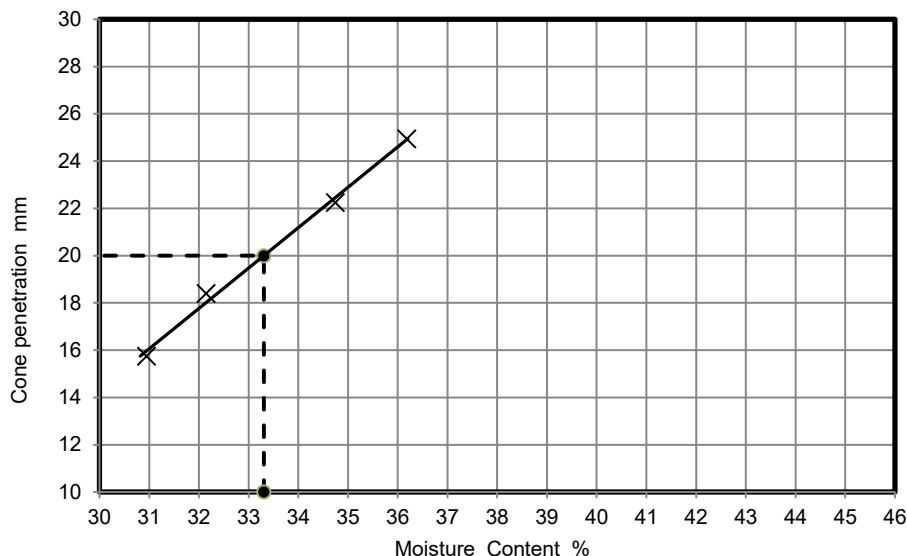
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	38095
Borehole/Pit No.	WS3
Sample No.	2
Depth Top	1.90 m
Depth Base	- m
Sample Type	D
Samples received	04/11/2025
Schedules received	06/11/2025
Project Started	07/11/2025
Date Tested	17/11/2025

Site Name Mill Lane Hitchin

Project No. GE23305 Client GESL

Soil Description Orangish brown slightly gravelly very sandy silty CLAY (gravel is fm and angular to sub-angular)

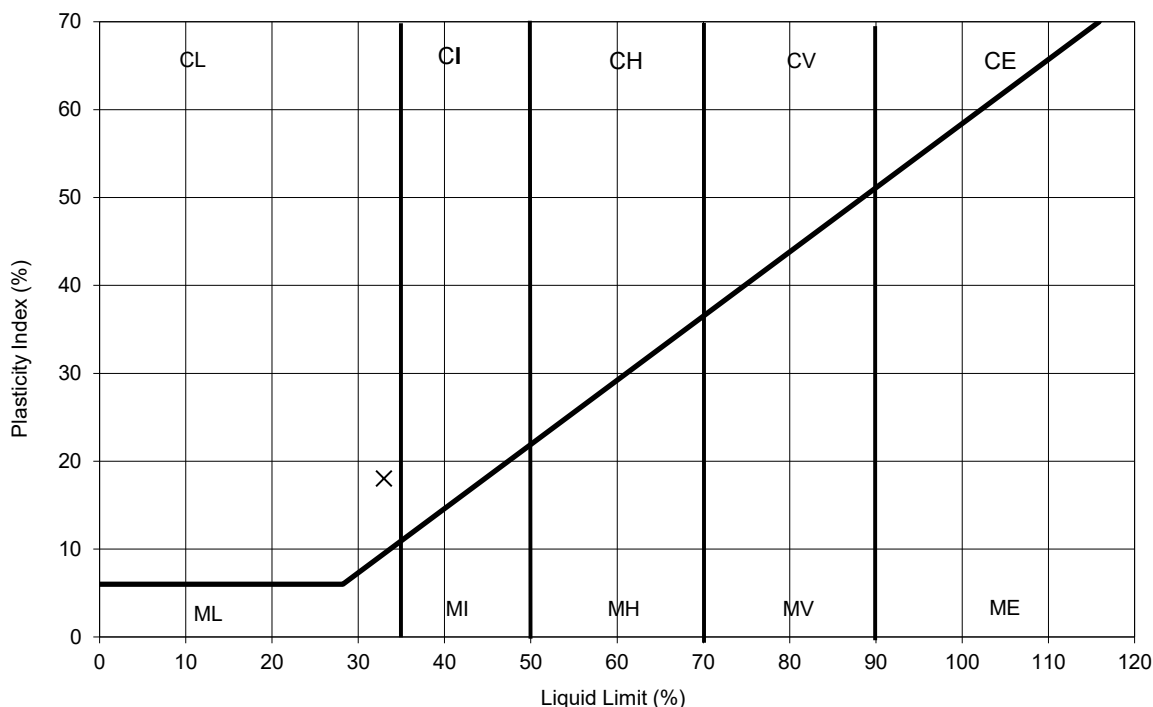


WATER CONTENT	8.7	%
% PASSING 425µm SIEVE	92	%
LIQUID LIMIT	33	%
PLASTIC LIMIT	15	%
PLASTICITY INDEX	18	%

Preparation Method	Tested after >425µm removed by hand
--------------------	-------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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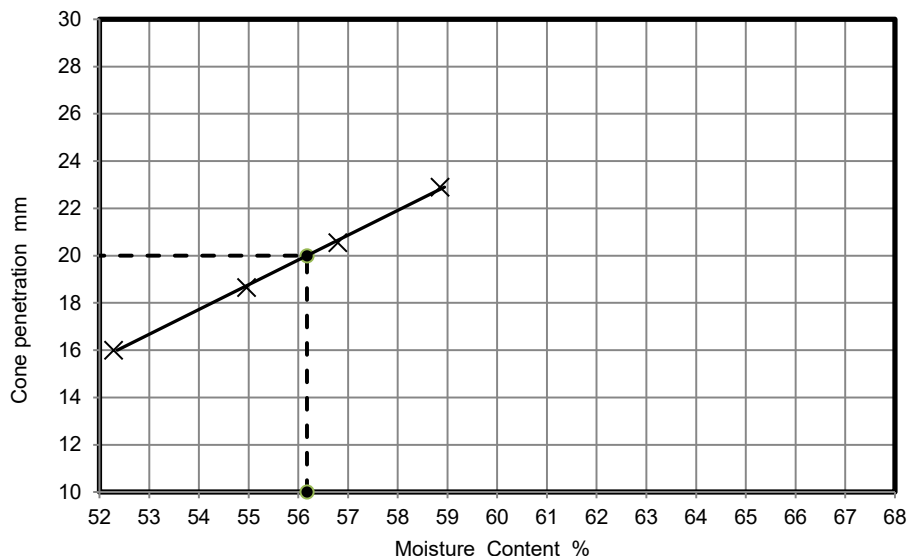
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	38095
Borehole/Pit No.	WS4
Sample No.	4
Depth Top	1.30 m
Depth Base	- m
Sample Type	D
Samples received	04/11/2025
Schedules received	06/11/2025
Project Started	07/11/2025
Date Tested	17/11/2025

Site Name Mill Lane Hitchin

Project No. GE23305 Client GESL

Soil Description Orangish brown slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular)

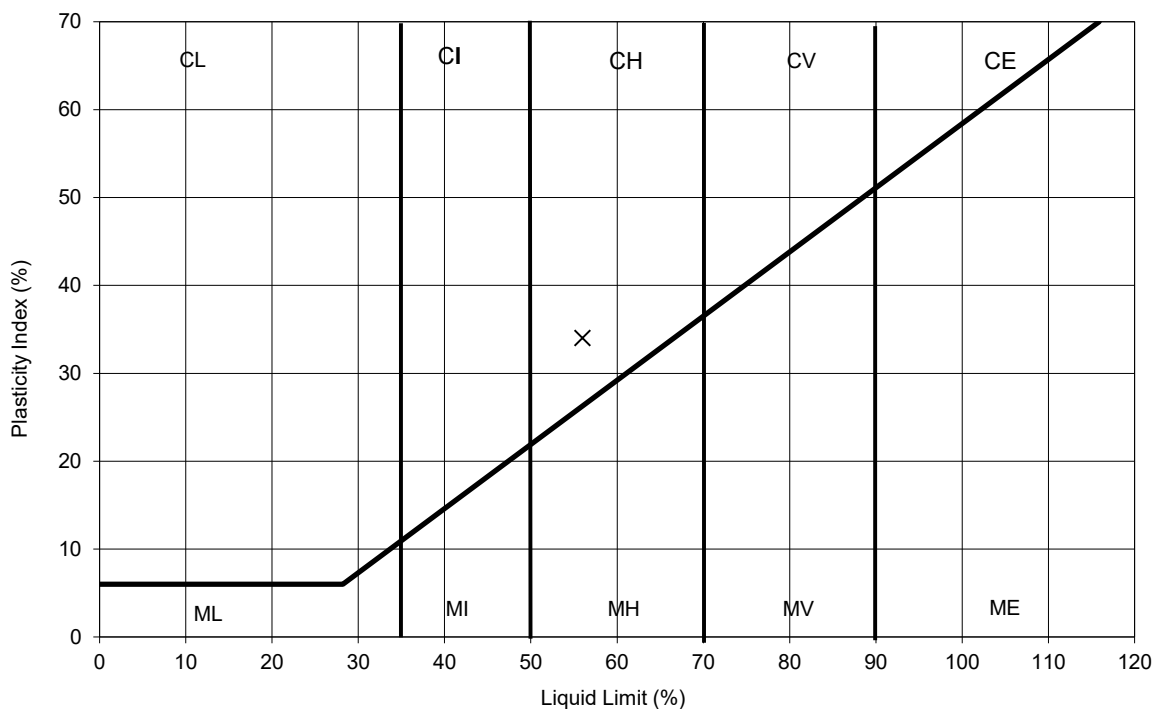


WATER CONTENT	14.5	%
% PASSING 425µm SIEVE	59	%
LIQUID LIMIT	56	%
PLASTIC LIMIT	22	%
PLASTICITY INDEX	34	%

Preparation Method	Tested after washing to remove >425µm
--------------------	---------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

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Date: 20/11/2025

MSF-5 R2



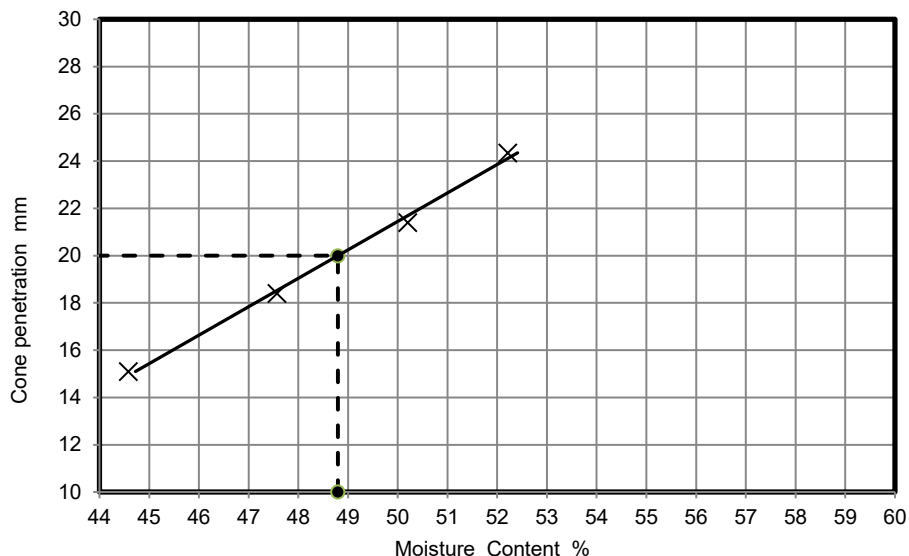
LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	38095
Borehole/Pit No.	WS5
Sample No.	5
Depth Top	1.80 m
Depth Base	- m
Sample Type	D
Samples received	04/11/2025
Schedules received	06/11/2025
Project Started	07/11/2025
Date Tested	17/11/2025

Site Name Mill Lane Hitchin

Project No. GE23305 Client GESL

Soil Description Orangish brown slightly sandy very gravelly silty CLAY (gravel is fmc and angular to sub-rounded)

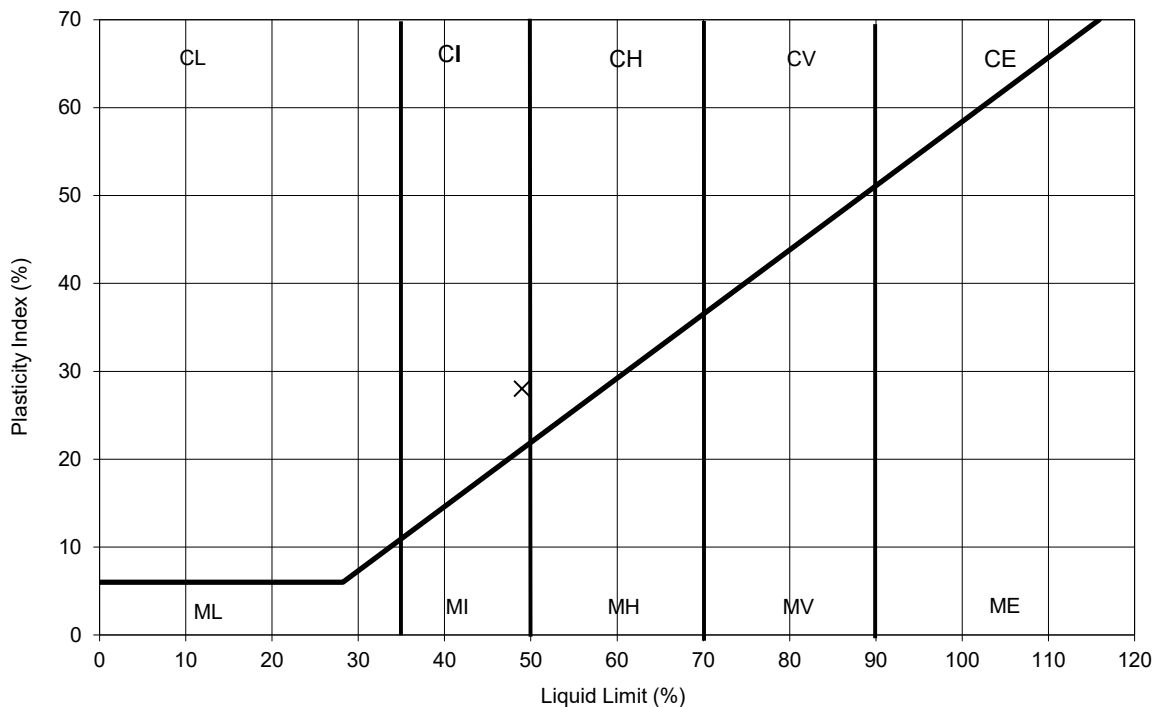


WATER CONTENT	10.6	%
% PASSING 425µm SIEVE	31	%
LIQUID LIMIT	49	%
PLASTIC LIMIT	21	%
PLASTICITY INDEX	28	%

Preparation Method	Tested after washing to remove >425µm
--------------------	---------------------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory

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Checked and Approved

Initials: J.P

Date: 20/11/2025

MSF-5 R2



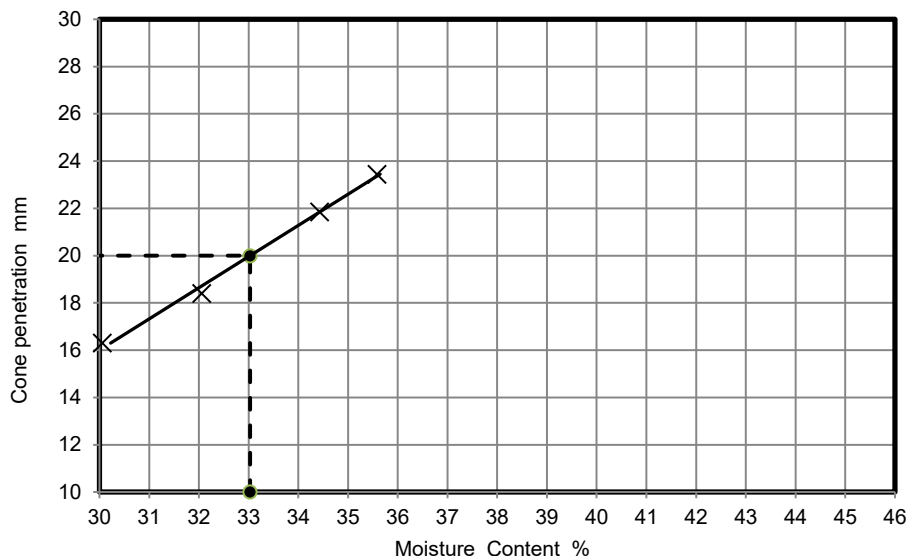
2519



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

Job No.	38095
Borehole/Pit No.	WS6
Sample No.	7
Depth Top	1.90 m
Depth Base	- m
Sample Type	D
Samples received	04/11/2025
Schedules received	06/11/2025
Project Started	07/11/2025
Date Tested	17/11/2025

Site Name	Mill Lane Hitchin		
Project No.	GE23305	Client	GESL
Soil Description	Brown very sandy silty CLAY		

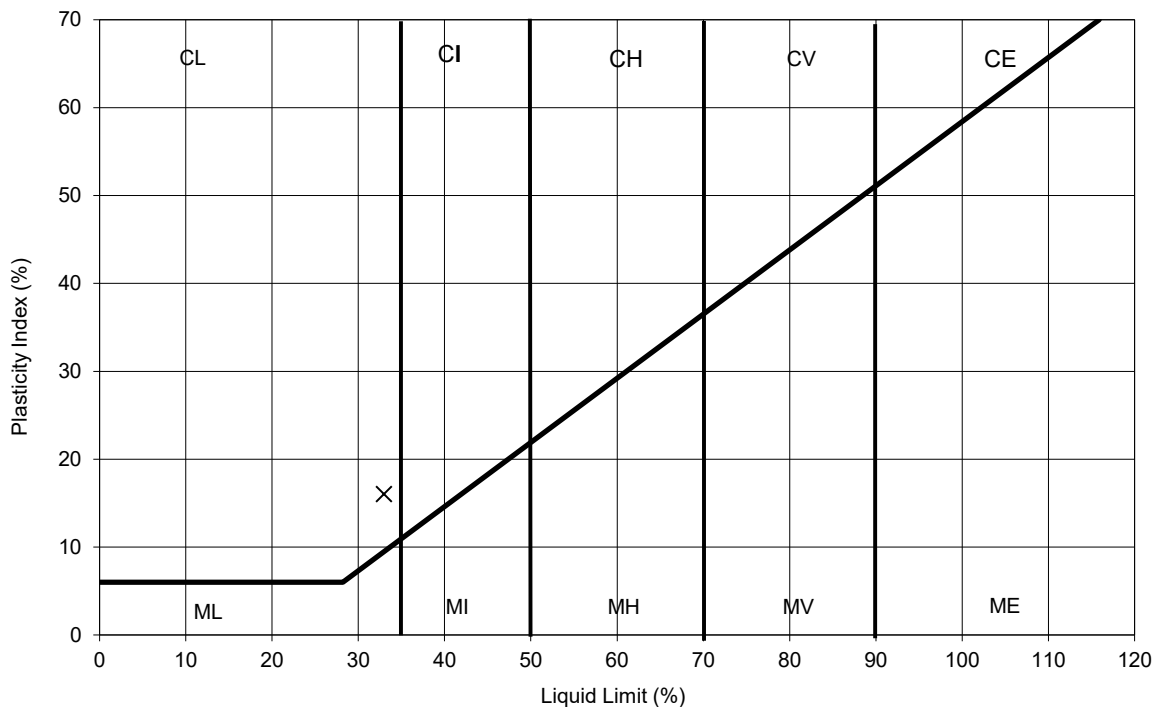


WATER CONTENT	14.8	%
% PASSING 425µm SIEVE	100	%
LIQUID LIMIT	33	%
PLASTIC LIMIT	17	%
PLASTICITY INDEX	16	%

Preparation Method	Tested in natural condition
--------------------	-----------------------------

Remarks

PLASTICITY INDEX



TEST METHODS:

BS EN ISO 17892 Part 1: 2014 + A1:2022 Water Content
BS EN ISO 17892 Part 12: 2018 +A2:2022 Liquid and plastic limit

These results only apply to the items tested. The report shall not be reproduced except in full without authority of the laboratory

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

Checked and Approved

Initials: J.P

Date: 20/11/2025

MSF-5 R2



Summary of Water Content, Liquid Limit (4 point) and Plastic Limit Results

Job No. 38095	Project Name Mill Lane Hitchin	Programme	
		Samples received	04/11/2025
		Schedule received	06/11/2025
Project No. GE23305	Client GESL	Project started	07/11/2025
		Testing Started	17/11/2025

Hole No.	Sample				Soil Description	Water Content %	Passing 425µm %	Preparation	LL %	PL %	PI %	Remarks
	Ref	Top m	Base m	Type								
WS2	1	1.60	-	D	Brown and yellowish brown slightly gravelly sandy silty CLAY (gravel is fmc and angular to sub-angular flint)	10.7	88	Tested after >425um removed by hand	33	13	20	
WS3	2	1.90	-	D	Orangish brown slightly gravelly very sandy silty CLAY (gravel is fm and angular to sub-angular)	8.7	92	Tested after >425um removed by hand	33	15	18	
WS4	4	1.30	-	D	Orangish brown slightly sandy gravelly silty CLAY (gravel is fmc and angular to sub-angular)	14.5	59	Tested after washing to remove >425um	56	22	34	
WS5	5	1.80	-	D	Orangish brown slightly sandy very gravelly silty CLAY (gravel is fmc and angular to sub-rounded)	10.6	31	Tested after washing to remove >425um	49	21	28	
WS6	7	1.90	-	D	Brown very sandy silty CLAY	14.8	100	Tested in natural condition	33	17	16	

80g/300 cone used unless otherwise stated.

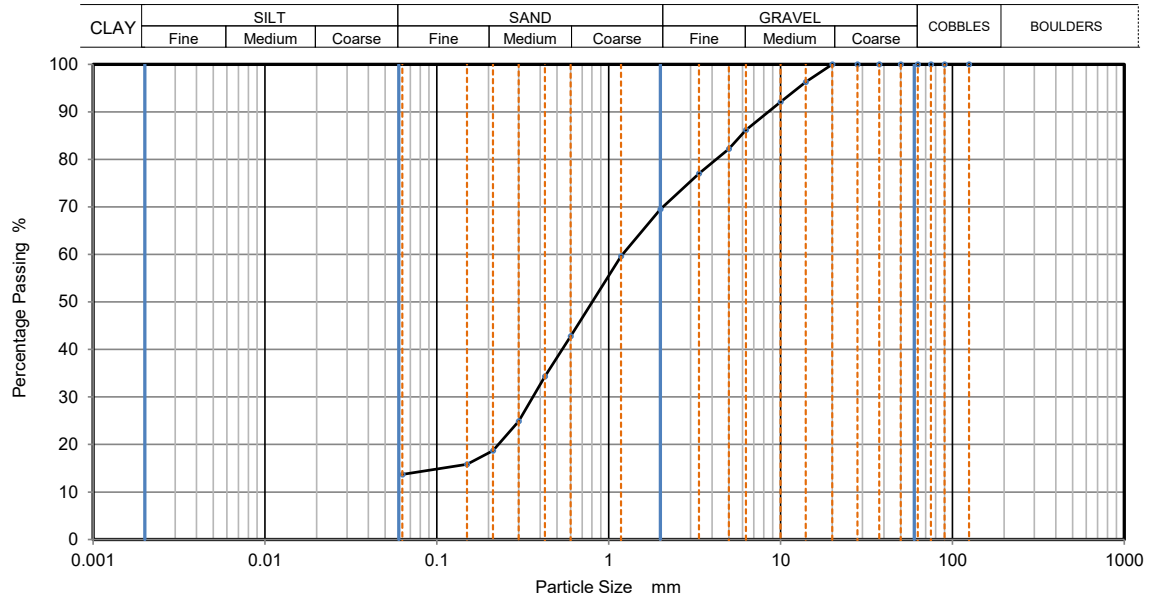
 UKAS TESTING	Test Methods: BS EN ISO 17892 Part 1: 2014+A1:2022 Water content Part 12: 2018+A2:2022 Liquid & plastic limit These results only apply to the items tested NOTE: The report shall not be reproduced except in full without authority of the laboratory	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 20/11/2025
	2519 Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		



PARTICLE SIZE DISTRIBUTION

	PARTICLE SIZE DISTRIBUTION			Job Ref	38095	
				Borehole/Pit No.	WS4	
Site Name	Mill Lane Hitchin			Sample No.	3	
Project No.	GE23305	Client	GESL	Depth Top	1.90	m
Soil Description	Orangish brown slightly clayey silty very gravelly SAND (gravel is fm and sub-angular to sub-rounded)			Depth Base	-	m
				Sample Type	D	
				Samples received	04/11/2025	
				Schedules received	06/11/2025	
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	07/11/2025	
These results only apply to the items tested				Date tested	19/11/2025	

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	96		
10	92		
6.3	86		
5	82		
3.35	77		
2	70		
1.18	60		
0.6	43		
0.425	34		
0.3	25		
0.212	19		
0.15	16		
0.063	14		

Sample Proportions	% dry mass
Very coarse	0
Gravel	31
Sand	55
Fines <0.063mm	14

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

Preparation and testing in accordance with ISO17892 Part 4 unless noted below

NOTE: The report shall not be reproduced except in full without approval of the laboratory



K4 Soils Laboratory

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Checked and Approved

Initials: J.P

Date: 20/11/2025

2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

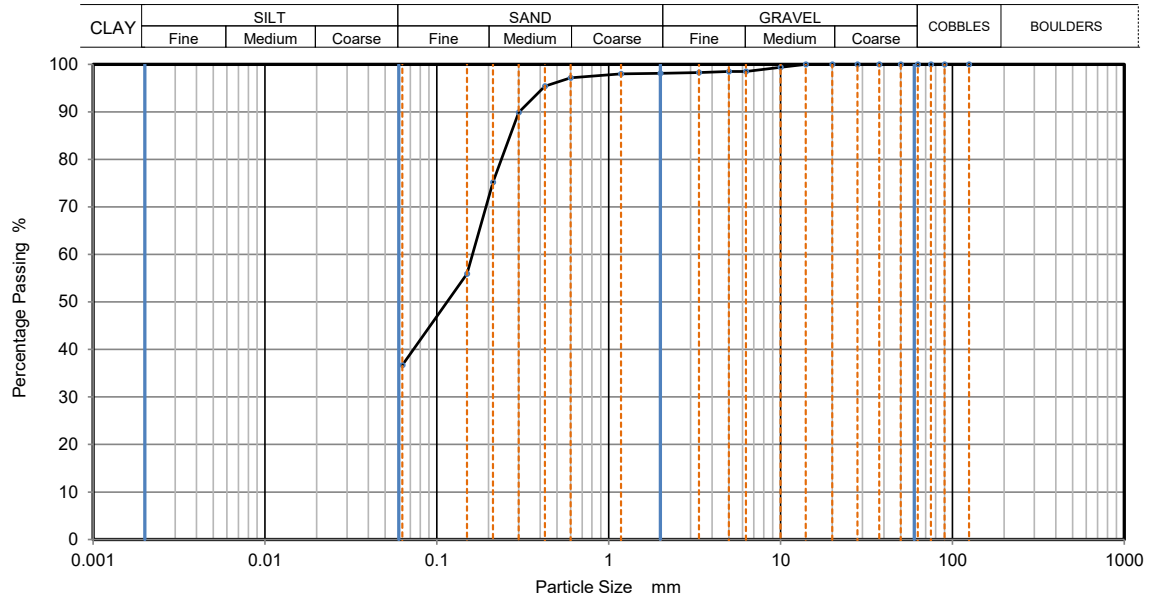
MSF-5-R3



PARTICLE SIZE DISTRIBUTION

	PARTICLE SIZE DISTRIBUTION			Job Ref	38095	
				Borehole/Pit No.	WS6	
Site Name	Mill Lane Hitchin			Sample No.	6	
Project No.	GE23305	Client	GESL	Depth Top	1.60	m
Soil Description	Orangish brown sandy silty CLAY with rare fm gravel			Depth Base	-	m
				Sample Type	D	
				Samples received	04/11/2025	
				Schedules received	06/11/2025	
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	07/11/2025	
These results only apply to the items tested				Date tested	17/11/2025	

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	99		
6.3	99		
5	99		
3.35	98		
2	98		
1.18	98		
0.6	97		
0.425	95		
0.3	90		
0.212	75		
0.15	56		
0.063	37		

Sample Proportions	% dry mass
Very coarse	0
Gravel	2
Sand	61
Fines <0.063mm	37

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	
Curvature Coefficient	

Remarks

Preparation and testing in accordance with ISO17892 Part 4 unless noted below

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Initials: J.P

Date: 20/11/2025

2519

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

MSF-5-R3

APPENDIX E

Geochemical Laboratory

Test Results and Hazwaste

Online

Geo-Environmental Services Ltd
Unit 7, Danworth Farm
Cuckfield Road
Hurstpierpoint
West Sussex
BN6 9GL

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e: info-i2analytical@normecgroup.com

Analytical Report Number : 25-059178

Project / Site name:	Mill Lane, Hitchin	Samples received on:	31/10/2025
Your job number:	GE23305	Samples instructed on/ Analysis started on:	31/10/2025
Your order number:	PO 9322	Analysis completed by:	12/11/2025
Report Issue Number:	1	Report issued on:	12/11/2025
Samples Analysed:	10 soil samples		



Signed:

Rachel Chappell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number	736397	736398	736399	736400	736401
Sample Reference	WS1	WS2	WS2	WS3	WS3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.45	0.45	1.30	0.45	1.30
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	19.6	30.8	6.2	61.3	10
Moisture Content	%	0.01	NONE	3.1	3.8	9.4	4	6.9
Total mass of sample received	kg	0.1	NONE	1	0.8	1.1	1	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	DKI	CAD	-	CAD	-
Analysis completed	N/A	N/A	N/A	11/11/2025	11/11/2025	-	11/11/2025	-

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.4	6.8	7.2	6.2	6.8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
Total Sulphate as SO ₄	mg/kg	50	MCERTS	360	370	-	190	-
Total Sulphate as SO ₄	%	0.005	MCERTS	-	-	0.019	-	0.029
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	25	35	20	17	28
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	12.3	17.7	9.84	8.47	14
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	3	3.1	-	3.4	-
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	0.8	-	0.8
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Total Sulphur	mg/kg	50	MCERTS	-	-	110	-	160
Total Sulphur	%	0.005	MCERTS	-	-	0.011	-	0.016
Ammoniacal Nitrogen as NH ₄ ⁺	mg/kg	0.5	MCERTS	-	-	< 0.5	-	< 0.5
Ammonium as NH ₄ ⁺ (10:1 leachate equivalent)	mg/l	0.05	MCERTS	-	-	< 0.05	-	< 0.05
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.9	0.9	-	0.3	-
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	-	-	3.8	-	< 2.0
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent)	mg/l	5	NONE	-	-	< 5.0	-	< 5.0

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
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Analytical Report Number: 25-059178
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Lab Sample Number	736397	736398	736399	736400	736401
Sample Reference	WS1	WS2	WS2	WS3	WS3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.45	0.45	1.30	0.45	1.30
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	-	< 0.80	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	37	36	-	89	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	76	80	-	38	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.74	0.75	-	0.89	-
Boron (water soluble)	mg/kg	0.2	MCERTS	1	0.5	-	0.4	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	0.3	-	0.3	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	-	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21	22	-	22	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26	24	-	20	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	32	98	-	18	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	32	32	-	61	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	48	47	-	48	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110	110	-	120	-
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	< 2.5	-	< 2.5
Magnesium (water soluble)	mg/kg	5	NONE	-	-	< 5.0	-	< 5.0

Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number	736397	736398	736399	736400	736401
Sample Reference	WS1	WS2	WS2	WS3	WS3
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.45	0.45	1.30	0.45	1.30
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	-
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	-	< 10	-

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	-
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	-	< 10	-

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-

Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	< 10	-	-	-	-
Alachlor	µg/kg	10	NONE	< 10	-	-	-	-
Bifenthrin	µg/kg	10	NONE	< 10	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	< 10	-	-	-	-
Omethoate	µg/kg	10	NONE	< 10	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	< 10	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	< 10	-	-	-	-
Demeton-O	µg/kg	10	NONE	< 10	-	-	-	-
Demeton-S	µg/kg	10	NONE	< 10	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	< 10	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	< 10	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	< 10	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	< 10	-	-	-	-

Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number				736397	736398	736399	736400	736401
Sample Reference				WS1	WS2	WS2	WS3	WS3
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.45	0.45	1.30	0.45	1.30
Date Sampled				30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	< 10	-	-	-	-
Etrinfos	µg/kg	10	NONE	< 10	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	< 10	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	-
Propetamphos	µg/kg	10	NONE	< 10	-	-	-	-
Tecnazene	µg/kg	10	NONE	< 10	-	-	-	-
Triadimefon	µg/kg	10	NONE	< 10	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	< 10	-	-	-	-
Aldrin	µg/kg	10	NONE	< 10	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	< 10	-	-	-	-
Beta-BHC	µg/kg	10	NONE	< 10	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	< 10	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	< 10	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	< 10	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	< 10	-	-	-	-
Carbophenothion	µg/kg	10	NONE	< 10	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Delta-BHC	µg/kg	10	NONE	< 10	-	-	-	-
Dieldrin	µg/kg	10	NONE	< 10	-	-	-	-
Deltamethrin	µg/kg	10	NONE	< 10	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	< 10	-	-	-	-
Endrin	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10	-	-	-	-
Fenthion	µg/kg	10	NONE	< 10	-	-	-	-
Isodrin	µg/kg	10	NONE	< 10	-	-	-	-
Methacrifos	µg/kg	10	NONE	< 10	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	< 10	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	< 10	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	< 10	-	-	-	-
Parathion	µg/kg	10	NONE	< 10	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	< 10	-	-	-	-
Pendimethalin	µg/kg	10	NONE	< 10	-	-	-	-
Phorate	µg/kg	10	NONE	< 10	-	-	-	-
Phosalone	µg/kg	10	NONE	< 10	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	< 10	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	< 10	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	< 10	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	< 10	-	-	-	-
Propyzamide	µg/kg	10	NONE	< 10	-	-	-	-
Triazophos	µg/kg	10	NONE	< 10	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	< 10	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Dichlorvos	µg/kg	10	NONE	< 10	-	-	-	-

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Lab Sample Number				736397	736398	736399	736400	736401
Sample Reference				WS1	WS2	WS2	WS3	WS3
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.45	0.45	1.30	0.45	1.30
Date Sampled				30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Dimethoate	µg/kg	10	NONE	< 10	-	-	-	-
Diazinon	µg/kg	10	NONE	< 10	-	-	-	-
Ethion	µg/kg	10	NONE	< 10	-	-	-	-
Fenitrothion	µg/kg	10	NONE	< 10	-	-	-	-
Malathion	µg/kg	10	NONE	< 10	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	< 10	-	-	-	-
Trifluralin	µg/kg	10	NONE	< 10	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 25-059178
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Lab Sample Number	736402	736403	736404	736405	736406
Sample Reference	WS4	WS5	WS5	WS5	WS6
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.80	1.20	2.70	1.50
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	6.3	< 0.1	23.3	32.9	< 0.1
Moisture Content	%	0.01	NONE	6.9	14	1.6	10	6.5
Total mass of sample received	kg	0.1	NONE	0.8	0.6	1	1	0.9

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	CAD	CAD	-	JWU	JWU
Analysis completed	N/A	N/A	N/A	11/11/2025	11/11/2025	-	11/11/2025	11/11/2025

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	6.9	7.2	6.7	6.3	6.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	320	180	-	230	130
Total Sulphate as SO ₄	%	0.005	MCERTS	-	-	0.016	-	-
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	24	16	21	34	5.3
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	11.8	7.97	10.3	17	2.64
Sulphide	mg/kg	1	MCERTS	1.4	2.2	-	< 1.0	< 1.0
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	< 1.0	7.4	-	1.3	4.3
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	< 0.5	-	-
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Total Sulphur	mg/kg	50	MCERTS	-	-	85	-	-
Total Sulphur	%	0.005	MCERTS	-	-	0.008	-	-
Ammoniacal Nitrogen as NH ₄ ⁺	mg/kg	0.5	MCERTS	-	-	< 0.5	-	-
Ammonium as NH ₄ ⁺ (10:1 leachate equivalent)	mg/l	0.05	MCERTS	-	-	< 0.05	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.6	0.4	-	0.2	< 0.1
Water Soluble Nitrate (2:1) as NO ₃	mg/kg	2	NONE	-	-	< 2.0	-	-
Water Soluble Nitrate (2:1) as NO ₃ (leachate equivalent)	mg/l	5	NONE	-	-	< 5.0	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
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Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number	736402	736403	736404	736405	736406
Sample Reference	WS4	WS5	WS5	WS5	WS6
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.80	1.20	2.70	1.50
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	-	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	54	39	-	82	29
Barium (aqua regia extractable)	mg/kg	1	MCERTS	88	59	-	35	44
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.7	1.5	-	1.4	0.74
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	0.7	-	0.3	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	0.3	0.4
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	-	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	41	36	-	34	26
Copper (aqua regia extractable)	mg/kg	1	MCERTS	19	16	-	22	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	17	15	-	19	12
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	57	44	-	73	38
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	71	68	-	92	60
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	140	100	-	200	150
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	< 2.5	-	-
Magnesium (water soluble)	mg/kg	5	NONE	-	-	< 5.0	-	-

Analytical Report Number: 25-059178
Project / Site name: Mill Lane, Hitchin
Your Order No: PO 9322

Lab Sample Number	736402	736403	736404	736405	736406
Sample Reference	WS4	WS5	WS5	WS5	WS6
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.50	0.80	1.20	2.70	1.50
Date Sampled	30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC35 - EC44 _{EH_CU_1D_AL}	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	< 8.4
TPHCWG - Aliphatic >EC5 - EC35 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC44 _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10

TPHCWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC35 - EC44 _{EH_CU_1D_AR}	mg/kg	8.4	NONE	< 8.4	< 8.4	-	< 8.4	< 8.4
TPHCWG - Aromatic >EC5 - EC35 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC5 - EC44 _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	-	< 10	< 10

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	< 8.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	< 5.0

Pesticides (GC-MS)

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 25-059178
 Project / Site name: Mill Lane, Hitchin
 Your Order No: PO 9322

Lab Sample Number				736402	736403	736404	736405	736406
Sample Reference				WS4	WS5	WS5	WS5	WS6
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.80	1.20	2.70	1.50
Date Sampled				30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrinfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 25-059178
 Project / Site name: Mill Lane, Hitchin
 Your Order No: PO 9322

Lab Sample Number				736402	736403	736404	736405	736406
Sample Reference				WS4	WS5	WS5	WS5	WS6
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.50	0.80	1.20	2.70	1.50
Date Sampled				30/10/2025	30/10/2025	30/10/2025	30/10/2025	30/10/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-059178

Project / Site name: Mill Lane, Hitchin

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
736397	WS1	None Supplied	0.45	Brown sand with stones and gravel
736398	WS2	None Supplied	0.45	Brown sand with concrete and vegetation
736399	WS2	None Supplied	1.3	Brown clay and sand with stones and gravel
736400	WS3	None Supplied	0.45	Brown sand with stones and gravel
736401	WS3	None Supplied	1.3	Brown clay and sand with gravel and stones
736402	WS4	None Supplied	0.5	Brown clay and sand with stones and vegetation
736403	WS5	None Supplied	0.8	Brown sand with gravel and vegetation
736404	WS5	None Supplied	1.2	Brown clay and sand with stones and gravel
736405	WS5	None Supplied	2.7	Brown clay and sand with stones and gravel
736406	WS6	None Supplied	1.5	Brown clay and sand with gravel and vegetation

Analytical Report Number : 25-059178

Project / Site name: Mill Lane, Hitchin

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC	In-house method: Sample is extracted in acetonitrile prior to analysis by HPLC	L021B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Pesticides by GC-MS/MS	Determination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE

Analytical Report Number : 25-059178

Project / Site name: Mill Lane, Hitchin

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES	In-house method based on TRL 447	L038B	D	NONE
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Water Soluble Nitrate (leachate equivalent)	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Ammonium as NH ₄ in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

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)



94ZK1-KLU6V-6KWGD

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

Report is invalid if pages are removed.

Job name

GE23305 - Mill Lane, Hitchin

Description/Comments

25-059178_HWOL

Project

GE23305

Site

Mill Lane, Hitchin

Classified by

Name: **Anthony Potter**
 Date: **10 Dec 2025 14:16 GMT**
 Telephone: **01273832972**
 Company: **Geo-Environmental Services**
Unit 7, Danworth Farm, Cuckfield Road
Hurstpierpoint
BN6 9GL

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:

CERTIFIED

Course
 Hazardous Waste Classification
 Most recent 3 year Refresher

Date
 06 Oct 2022
 07 Oct 2025

Next 3 year Refresher due by Oct 2028

Purpose of classification

2 - Material Characterisation

Address of the waste

Mill Lane, Hitchin

Post Code **N/A**

SIC for the process giving rise to the waste

41202 Construction of domestic buildings

Description of industry/producer giving rise to the waste

Fields to be redeveloped with residential properties

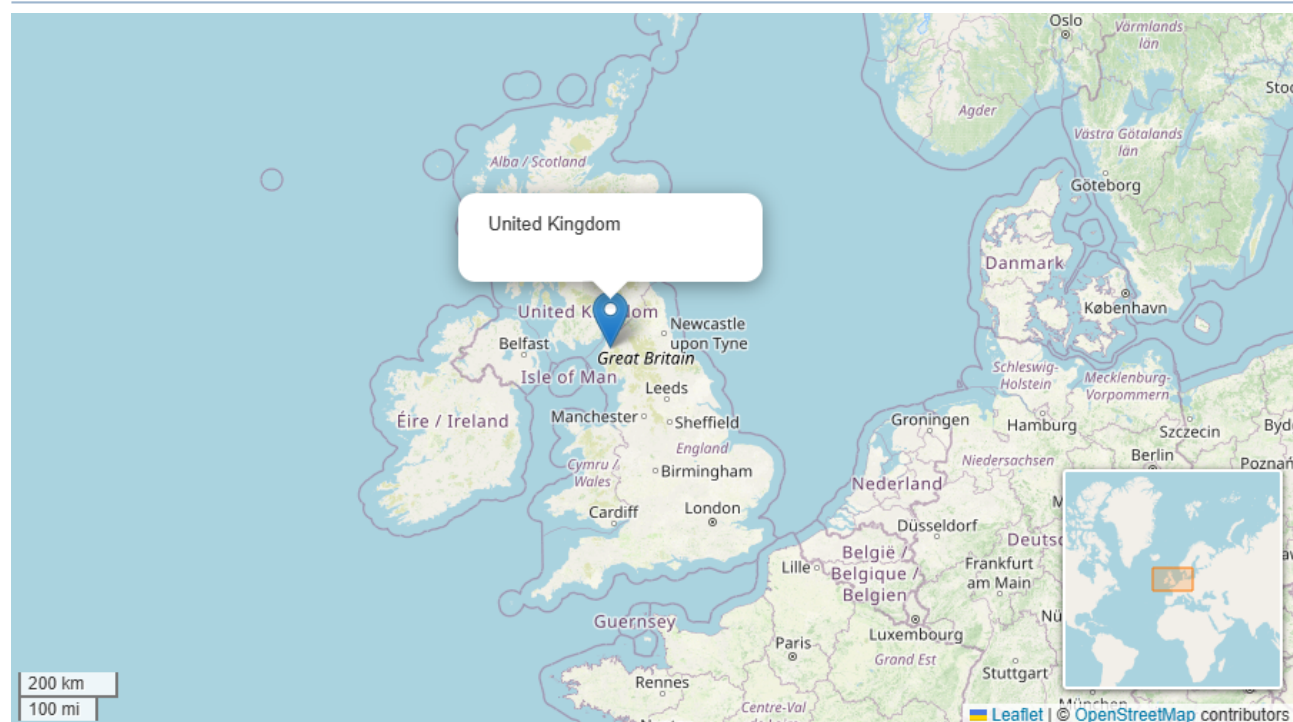
Description of the specific process, sub-process and/or activity that created the waste

Waste created during the construction of new properties

Description of the waste

TOPSOIL: Grass over brown slightly gravelly/sandy silt. Gravel comprises fine to medium sub angular to rounded flint and chert. Occasional rootlets.
MADE GROUND: Orangish brown very gravelly slightly sandy silt. Sand is fine. Gravel comprises fine to coarse sub angular to sub rounded flint and chert. Occasional brick.
GLACIOFLUVIAL DEPOSITS (cohesive): Stiff Orangish brown sandy CLAY with frequent fine to coarse gravel sized pockets/lenses of sand. Sand is coarse
 Orangish brown sandy slightly clayey gravelly SILT. Sand is fine to coarse. Gravel comprises fine to coarse sub angular to sub rounded flint and chert. Occasional rootlets.

Waste Location



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS1--30102025-0.45		Non Hazardous		3
2	WS2--30102025-0.45		Non Hazardous		9
3	WS3--30102025-0.45		Non Hazardous		12
4	WS4--30102025-0.50		Non Hazardous		15
5	WS5--30102025-0.80		Non Hazardous		18
6	WS5--30102025-2.70		Non Hazardous		21
7	WS6--30102025-1.50		Non Hazardous		24

Related documents

#	Name	Description
1	25-059178_HWOL.hwol	i2 Analytical .hwol file used to populate the Job
2	GESL Soils Waste Stream Template	waste stream template used to create this Job

Report

Created by: Anthony Potter

Created date: 10 Dec 2025 14:16 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	27
Appendix B: Rationale for selection of metal species	29
Appendix C: Version	30

Classification of sample: WS1--30102025-0.45

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

Sample details

Sample name:	LoW Code:
WS1--30102025-0.45	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
3.1%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.1% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				37	mg/kg	1.32	47.338	mg/kg	0.00473 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	barium { barium chromate }				76	mg/kg	1.845	135.848	mg/kg	0.0136 %	✓	
		233-660-5	10294-40-3									
3	beryllium { beryllium oxide }				0.74	mg/kg	2.775	1.99	mg/kg	0.000199 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
4	boron { diboron trioxide }				1	mg/kg	3.22	3.12	mg/kg	0.000312 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
5	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.332	mg/kg	0.0000332 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				21	mg/kg	1.462	29.741	mg/kg	0.00297 %	✓	
		215-160-9	1308-38-9									
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
8	copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	28.366	mg/kg	0.00284 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
9	lead { lead chromate }			1	32	mg/kg	1.56	48.367	mg/kg	0.0031 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
10	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
11	nickel { nickel chromate }				32	mg/kg	2.976	92.288	mg/kg	0.00923 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
12	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				48	mg/kg	1.785	83.033	mg/kg	0.0083 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
14	zinc { zinc chromate }				110	mg/kg	2.774	295.696	mg/kg	0.0296 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
15	TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
20	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]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<LOD
21	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
22	pH PH				7.4 pH		7.4 pH	7.4 pH			
23	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	phenanthrene 201-581-5	85-01-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	anthracene 204-371-1	120-12-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	fluoranthene 205-912-4	206-44-0			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene 204-927-3	129-00-0			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
32	chrysene 601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
33	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
34	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
35	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
36	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
37	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
38	benzo[ghi]perylene 205-883-8	191-24-2			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
39	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane 602-045-00-7	200-024-3	50-29-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
40	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan 602-047-00-8	200-349-0	57-74-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
41	hexachlorocyclohexanes, including lindane 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		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
42	dieldrin (ISO) 602-049-00-9	200-484-5	60-57-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
43	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 602-051-00-X	200-775-7	72-20-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
44	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45	aldrin (ISO) 602-048-00-3	206-215-8	309-00-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
46	pentachlorobenzene 602-074-00-5	210-172-0	608-93-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
47	sulfur { sulphur dichloride } 016-013-00-X	234-129-0	10545-99-0		<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
48	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
49	alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide 616-015-00-6	240-110-8	15972-60-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
50	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate 015-056-00-1	220-147-6	2642-71-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
51	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate 015-039-00-9	201-676-1	86-50-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
52	bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate 607-699-00-7		82657-04-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
53	1,2,3-trichlorobenzene 201-757-1	87-61-6			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
54	1,3,5-trichlorobenzene 203-608-6	108-70-3			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
55	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate 015-071-00-3	207-432-0	470-90-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
56	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate 015-084-00-4	220-864-4	2921-88-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
57	chlorothalonil (ISO); tetrachloroisophthalonitrile 608-014-00-4	217-588-1	1897-45-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
58	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate 015-044-00-6	212-324-1	786-19-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
59	cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)- 2,2-dimethylcyclopropanecarboxylate 607-253-00-1	269-855-7	68359-37-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
60	lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro- 3,3,3-trifluoropropenyl)-2,2- dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2- dimethylcyclopropanecarboxylate (1:1) 607-252-00-6	415-130-7	91465-08-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
61	dichlobenil (ISO); 2,6-dichlorobenzonitrile 608-015-00-X	214-787-5	1194-65-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
62	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-019-00-X	200-547-7	62-73-7								
63	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-051-00-4	200-480-3	60-51-5								
64	deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	607-319-00-X	258-256-6	52918-63-5								
65	demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-028-00-9	206-053-8	298-03-3								
66	demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-029-00-4	204-801-8	126-75-0								
67	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-040-00-4	206-373-8	333-41-5								
68	heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	602-063-00-5	213-831-0	1024-57-3								
69	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-047-00-2	209-242-3	563-12-2								
70	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-122-00-X	253-855-9	38260-54-7								
71	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-048-00-8	200-231-9	55-38-9								
72	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-054-00-0	204-524-2	122-14-5								
73	hexachlorobutadiene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-765-5	87-68-3								
74	isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	602-050-00-4	207-366-2	465-73-6								
75	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-041-00-X	204-497-7	121-75-5								
76	methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]								
77	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-020-00-5	232-095-1	7786-34-7								
78	omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	015-066-00-6	214-197-8	1113-02-6								
79	o,p'-DDD				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		200-166-6	53-19-0								
80	o,p'-DDE				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		222-318-0	3424-82-6								
81	o,p'-DDT				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		212-332-5	789-02-6								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
82	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2							
83	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-035-00-7	206-050-1	298-00-0							
84	pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-042-00-X	254-938-2	40487-42-1							
85	phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-033-00-6	206-052-2	298-02-2							
86	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0							
87	pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-099-00-6	245-704-0	23505-41-1							
88	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7							
89	p,p'-DDD				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		200-783-0	72-54-8							
90	p,p'-DDE				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		200-784-6	72-55-9							
91	propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	616-055-00-4	245-951-4	23950-58-5							
92	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	31218-83-4							
93	phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-022-00-6	236-116-5	13171-21-6							
94	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-140-00-8	245-986-5	24017-47-8							
95	tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-044-00-0	204-178-2	117-18-0							
96	triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	606-037-00-4	256-103-8	43121-43-3							
97	trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-046-00-1	216-428-8	1582-09-8							
98	endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	602-052-00-5	204-079-4	115-29-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
99	permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	613-058-00-2	258-067-9	52645-53-1							
Total:								0.0749 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
 Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.0136%)

Classification of sample: WS2--30102025-0.45

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

Sample details

Sample name:	LoW Code:
WS2--30102025-0.45	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
3.8%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				36 mg/kg	1.32	45.726	mg/kg	0.00457 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
2	barium { barium chromate }				80 mg/kg	1.845	141.965	mg/kg	0.0142 %	✓	
		233-660-5	10294-40-3								
3	beryllium { beryllium oxide }				0.75 mg/kg	2.775	2.002	mg/kg	0.0002 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
4	boron { diboron trioxide }				0.5 mg/kg	3.22	1.549	mg/kg	0.000155 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
5	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.33	mg/kg	0.000033 %	✓	
	048-002-00-0	215-146-2	1306-19-0								
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	30.932	mg/kg	0.00309 %	✓	
		215-160-9	1308-38-9								
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
8	copper { dicopper oxide; copper (I) oxide }				24 mg/kg	1.126	25.995	mg/kg	0.0026 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
9	lead { lead chromate }			1	98 mg/kg	1.56	147.053	mg/kg	0.00943 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
11	nickel { nickel chromate }				32 mg/kg	2.976	91.621	mg/kg	0.00916 %	✓	
	028-035-00-7	238-766-5	14721-18-7								
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5								
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				47 mg/kg	1.785	80.715	mg/kg	0.00807 %	✓	
	023-001-00-8	215-239-8	1314-62-1								
14	zinc { zinc chromate }				110 mg/kg	2.774	293.56	mg/kg	0.0294 %	✓	
	024-007-00-3	236-878-9	13530-65-9								
15	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10	mg/kg	<0.001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<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]								
21	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										
22	pH				6.8 pH		6.8 pH	6.8 pH			
			PH								
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
29	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			P1186								
Total:									0.0809 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.0142%)

Classification of sample: WS3--30102025-0.45

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

Sample details

Sample name:	LoW Code:
WS3--30102025-0.45	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
4% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 4% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
1		arsenic { arsenic trioxide }				89 mg/kg	1.32	112.809 mg/kg	0.0113 %	✓	
		033-003-00-0	215-481-4	1327-53-3							
2		barium { barium chromate }				38 mg/kg	1.845	67.293 mg/kg	0.00673 %	✓	
			233-660-5	10294-40-3							
3		beryllium { beryllium oxide }				0.89 mg/kg	2.775	2.371 mg/kg	0.000237 %	✓	
		004-003-00-8	215-133-1	1304-56-9							
4		boron { diboron trioxide }				0.4 mg/kg	3.22	1.236 mg/kg	0.000124 %	✓	
		005-008-00-8	215-125-8	1303-86-2							
5		cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.329 mg/kg	0.0000329 %	✓	
		048-002-00-0	215-146-2	1306-19-0							
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				22 mg/kg	1.462	30.868 mg/kg	0.00309 %	✓	
			215-160-9	1308-38-9							
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
		024-017-00-8									
8		copper { dicopper oxide; copper (I) oxide }				20 mg/kg	1.126	21.617 mg/kg	0.00216 %	✓	
		029-002-00-X	215-270-7	1317-39-1							
9		lead { lead chromate }			1	18 mg/kg	1.56	26.954 mg/kg	0.00173 %	✓	
		082-004-00-2	231-846-0	7758-97-6							
10		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7							
11		nickel { nickel chromate }				61 mg/kg	2.976	174.29 mg/kg	0.0174 %	✓	
		028-035-00-7	238-766-5	14721-18-7							
12		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5							
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				48 mg/kg	1.785	82.261 mg/kg	0.00823 %	✓	
		023-001-00-8	215-239-8	1314-62-1							
14		zinc { zinc chromate }				120 mg/kg	2.774	319.582 mg/kg	0.032 %	✓	
		024-007-00-3	236-878-9	13530-65-9							
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
				TPH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<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]								
21	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										
22	pH				6.2 pH		6.2 pH	6.2 pH			
			PH								
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
29	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			P1186								
Total:									0.083 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.00673%)

Classification of sample: WS4--30102025-0.50

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

Sample details

Sample name:	LoW Code:
WS4--30102025-0.50	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
6.9%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.9% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
1		arsenic { arsenic trioxide }				54 mg/kg	1.32	66.378 mg/kg	0.00664 %	✓	
		033-003-00-0	215-481-4	1327-53-3							
2		barium { barium chromate }				88 mg/kg	1.845	151.129 mg/kg	0.0151 %	✓	
			233-660-5	10294-40-3							
3		beryllium { beryllium oxide }				1.7 mg/kg	2.775	4.393 mg/kg	0.000439 %	✓	
		004-003-00-8	215-133-1	1304-56-9							
4		boron { diboron trioxide }				0.7 mg/kg	3.22	2.098 mg/kg	0.00021 %	✓	
		005-008-00-8	215-125-8	1303-86-2							
5		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
		048-002-00-0	215-146-2	1306-19-0							
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				41 mg/kg	1.462	55.789 mg/kg	0.00558 %	✓	
			215-160-9	1308-38-9							
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
		024-017-00-8									
8		copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	19.916 mg/kg	0.00199 %	✓	
		029-002-00-X	215-270-7	1317-39-1							
9		lead { lead chromate }			1	17 mg/kg	1.56	24.687 mg/kg	0.00158 %	✓	
		082-004-00-2	231-846-0	7758-97-6							
10		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
		080-010-00-X	231-299-8	7487-94-7							
11		nickel { nickel chromate }				57 mg/kg	2.976	157.941 mg/kg	0.0158 %	✓	
		028-035-00-7	238-766-5	14721-18-7							
12		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5							
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				71 mg/kg	1.785	118.003 mg/kg	0.0118 %	✓	
		023-001-00-8	215-239-8	1314-62-1							
14		zinc { zinc chromate }				140 mg/kg	2.774	361.582 mg/kg	0.0362 %	✓	
		024-007-00-3	236-878-9	13530-65-9							
15		TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
17	benzene 601-020-00-8	200-753-7	71-43-2		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
18	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
19	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
20	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]		<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<LOD
21	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
22	pH		PH		6.9 pH		6.9 pH	6.9 pH			
23	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
24	acenaphthylene 205-917-1	208-96-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	fluorene 201-695-5	86-73-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
27	phenanthrene 201-581-5	85-01-8			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
28	anthracene 204-371-1	120-12-7			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	fluoranthene 205-912-4	206-44-0			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
30	pyrene 204-927-3	129-00-0			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
32	chrysene 601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
33	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
34	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
35	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
36	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
37	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
38	benzo[ghi]perylene 205-883-8	191-24-2			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
39	sulfur { sulphur dichloride } 016-013-00-X	234-129-0	10545-99-0		<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
40	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
Total:									0.0953 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.0151%)

Classification of sample: WS5--30102025-0.80

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

Sample details

Sample name:	LoW Code:
WS5--30102025-0.80	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				39 mg/kg	1.32	44.284 mg/kg	0.00443 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		barium { barium chromate }				59 mg/kg	1.845	93.598 mg/kg	0.00936 %	✓		
			233-660-5	10294-40-3								
3		beryllium { beryllium oxide }				1.5 mg/kg	2.775	3.58 mg/kg	0.000358 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
4		boron { diboron trioxide }				0.7 mg/kg	3.22	1.938 mg/kg	0.000194 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
5		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				36 mg/kg	1.462	45.25 mg/kg	0.00452 %	✓		
			215-160-9	1308-38-9								
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
8		copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	15.492 mg/kg	0.00155 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
9		lead { lead chromate }			1	15 mg/kg	1.56	20.122 mg/kg	0.00129 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
10		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
11		nickel { nickel chromate }				44 mg/kg	2.976	112.622 mg/kg	0.0113 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
12		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				68 mg/kg	1.785	104.398 mg/kg	0.0104 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
14		zinc { zinc chromate }				100 mg/kg	2.774	238.577 mg/kg	0.0239 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD	
				TPH								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<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]							
21	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									
22	pH				7.2 pH		7.2 pH	7.2 pH		
			P1186							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0673 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.00936%)

Classification of sample: WS5--30102025-2.70

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

Sample details

Sample name:	LoW Code:
WS5--30102025-2.70	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
10%	Entry:
(wet weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				82 mg/kg	1.32	97.44	mg/kg	0.00974 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
2	barium { barium chromate }				35 mg/kg	1.845	58.107	mg/kg	0.00581 %	✓	
		233-660-5	10294-40-3								
3	beryllium { beryllium oxide }				1.4 mg/kg	2.775	3.497	mg/kg	0.00035 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
4	boron { diboron trioxide }				0.3 mg/kg	3.22	0.869	mg/kg	0.0000869 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
5	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.308	mg/kg	0.0000308 %	✓	
	048-002-00-0	215-146-2	1306-19-0								
6	chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				34 mg/kg	1.462	44.724	mg/kg	0.00447 %	✓	
		215-160-9	1308-38-9								
7	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
8	copper { dicopper oxide; copper (I) oxide }				22 mg/kg	1.126	22.293	mg/kg	0.00223 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
9	lead { lead chromate }			1	19 mg/kg	1.56	26.673	mg/kg	0.00171 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
10	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
11	nickel { nickel chromate }				73 mg/kg	2.976	195.541	mg/kg	0.0196 %	✓	
	028-035-00-7	238-766-5	14721-18-7								
12	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5								
13	vanadium { divanadium pentaoxide; vanadium pentoxide }				92 mg/kg	1.785	147.813	mg/kg	0.0148 %	✓	
	023-001-00-8	215-239-8	1314-62-1								
14	zinc { zinc chromate }				200 mg/kg	2.774	499.346	mg/kg	0.0499 %	✓	
	024-007-00-3	236-878-9	13530-65-9								
15	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10	mg/kg	<0.001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %			<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]								
21	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										
22	pH				6.3 pH		6.3 pH	6.3 pH			
			PH								
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-371-1	120-12-7								
29	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
			P1186								
Total:									0.109 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
 because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.00581%)

Classification of sample: WS6--30102025-1.50

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

Sample details

Sample name:	LoW Code:
WS6--30102025-1.50	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
6.5% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 6.5% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				29 mg/kg	1.32	35.801 mg/kg	0.00358 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		barium { barium chromate }				44 mg/kg	1.845	75.889 mg/kg	0.00759 %	✓		
			233-660-5	10294-40-3								
3		beryllium { beryllium oxide }				0.74 mg/kg	2.775	1.92 mg/kg	0.000192 %	✓		
		004-003-00-8	215-133-1	1304-56-9								
4		boron { diboron trioxide }				0.3 mg/kg	3.22	0.903 mg/kg	0.0000903 %	✓		
		005-008-00-8	215-125-8	1303-86-2								
5		cadmium { cadmium oxide }				0.4 mg/kg	1.142	0.427 mg/kg	0.0000427 %	✓		
		048-002-00-0	215-146-2	1306-19-0								
6		chromium in Cr(III) compounds { chromium(III) oxide (worst case) }				26 mg/kg	1.462	35.53 mg/kg	0.00355 %	✓		
			215-160-9	1308-38-9								
7		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD	
		024-017-00-8										
8		copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	20.001 mg/kg	0.002 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
9		lead { lead chromate }			1	12 mg/kg	1.56	17.501 mg/kg	0.00112 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
10		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
		080-010-00-X	231-299-8	7487-94-7								
11		nickel { nickel chromate }				38 mg/kg	2.976	105.747 mg/kg	0.0106 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
12		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
13		vanadium { divanadium pentaoxide; vanadium pentoxide }				60 mg/kg	1.785	100.149 mg/kg	0.01 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
14		zinc { zinc chromate }				150 mg/kg	2.774	389.074 mg/kg	0.0389 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
15		TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD	
				TPH								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
17	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
18	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
19	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	xylene				<0.013 mg/kg		<0.013 mg/kg	<0.0000013 %		<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]							
21	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									
22	pH				6.7 pH		6.7 pH	6.7 pH		
			PH							
23	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
24	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
25	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
26	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
27	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
28	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
29	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
32	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
33	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
34	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
35	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
36	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
37	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
38	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
39	sulfur { sulphur dichloride }				<5 mg/kg	3.211	<16.057 mg/kg	<0.00161 %		<LOD
	016-013-00-X	234-129-0	10545-99-0							
40	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
Total:								0.0777 %		

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
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the concentration of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - no hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 2; H272 "May intensify fire; oxidiser."

Because of determinand:

barium chromate (compound conc.: 0.00759%)

Appendix A: Classifier defined and non GB MCL determinands

■ **barium chromate** (EC Number: 233-660-5, CAS Number: 10294-40-3)

Description/Comments: Sigma Aldrich SDS Version 7.9 dated 25/06/2025

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/38286>

https://www.sigmaaldrich.com/US/en/sds/aldrich/401056?srsltid=AfmBOorqFkE8nGErL6ULp-1bo_r5JSc5ZJAukYShveKNHLHdVi5A4WwU

Data source date: 25 Jun 2025

Hazard Statements: Ox. Sol. 2; H272, Acute Tox. 4; H302, Acute Tox. 4; H332, Carc. 1B; H350

■ **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

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

Description/Comments: Unknown Oil

Hazard statements taken from WM3 1st Edition 2015

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

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

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

GB MCL index number: 006-007-00-5

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

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

Reason for additional Hazards Statement(s):

20 Nov 2021 - 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

■ **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

■ **1,2,3-trichlorobenzene** (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

■ **1,3,5-trichlorobenzene** (EC Number: 203-608-6, CAS Number: 108-70-3)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/134881>

Data source date: 20 Jul 2023

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 2; H411

■ **hexachlorobutadiene** (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **o,p'-DDD** (EC Number: 200-166-6, CAS Number: 53-19-0)

Description/Comments: other names: Mitotane; o,p'-TDE; 2,4'-DDD; 2,4'-TDE;
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/10014>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 4; H312 , Carc. 2; H351 , Repr. 1A; H360FD , STOT RE 1; H372 , Aquatic Acute 1; H400 (M=100) , Aquatic Chronic 1; H410 (M=100)

• **o,p'-DDE** (EC Number: 222-318-0, CAS Number: 3424-82-6)

Description/Comments: other names: 2,4'-DDE; 2,2,o,p'-tetrachlorovinylidenebisbenzene
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/101358>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 4; H302 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **o,p'-DDT** (EC Number: 212-332-5, CAS Number: 789-02-6)

Description/Comments: other names: 2,4'-DDT; 2,2,2,o,p'-pentachloroethylidenebisbenzene
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/82255>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 3; H311 , Acute Tox. 2; H330 , Carc. 2; H351 , STOT RE 1; H372 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **p,p'-DDD** (EC Number: 200-783-0, CAS Number: 72-54-8)

Description/Comments: other names: Rhothane; p,p'-TDE; 4,4'-DDD; 4,4'-TDE;
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/21283>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **p,p'-DDE** (EC Number: 200-784-6, CAS Number: 72-55-9)

Description/Comments: other names: 4,4'-DDE; 2,2-bis(p-chlorophenyl)-1,1-dichloroethylene
Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/21845>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

barium {barium chromate}

Worst case species selected

beryllium {beryllium oxide}

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

boron {diboron trioxide}

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

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. 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

chromium in Cr(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

chromium in Cr(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species based on hazard statements/molecular weight

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected.

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species selected

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight

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]

sulfur {sulphur dichloride}

Worst case species selected

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
 HazWasteOnline Classification Engine Version: 2025.343.6918.12497 (09 Dec 2025)
 HazWasteOnline Database: 2025.339.6914.12493 (07 Dec 2025)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

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 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

GB MCL List - version 1.1 of 09 June 2021

GB MCL List v2.0 - version 2.0 of 20th October 2023

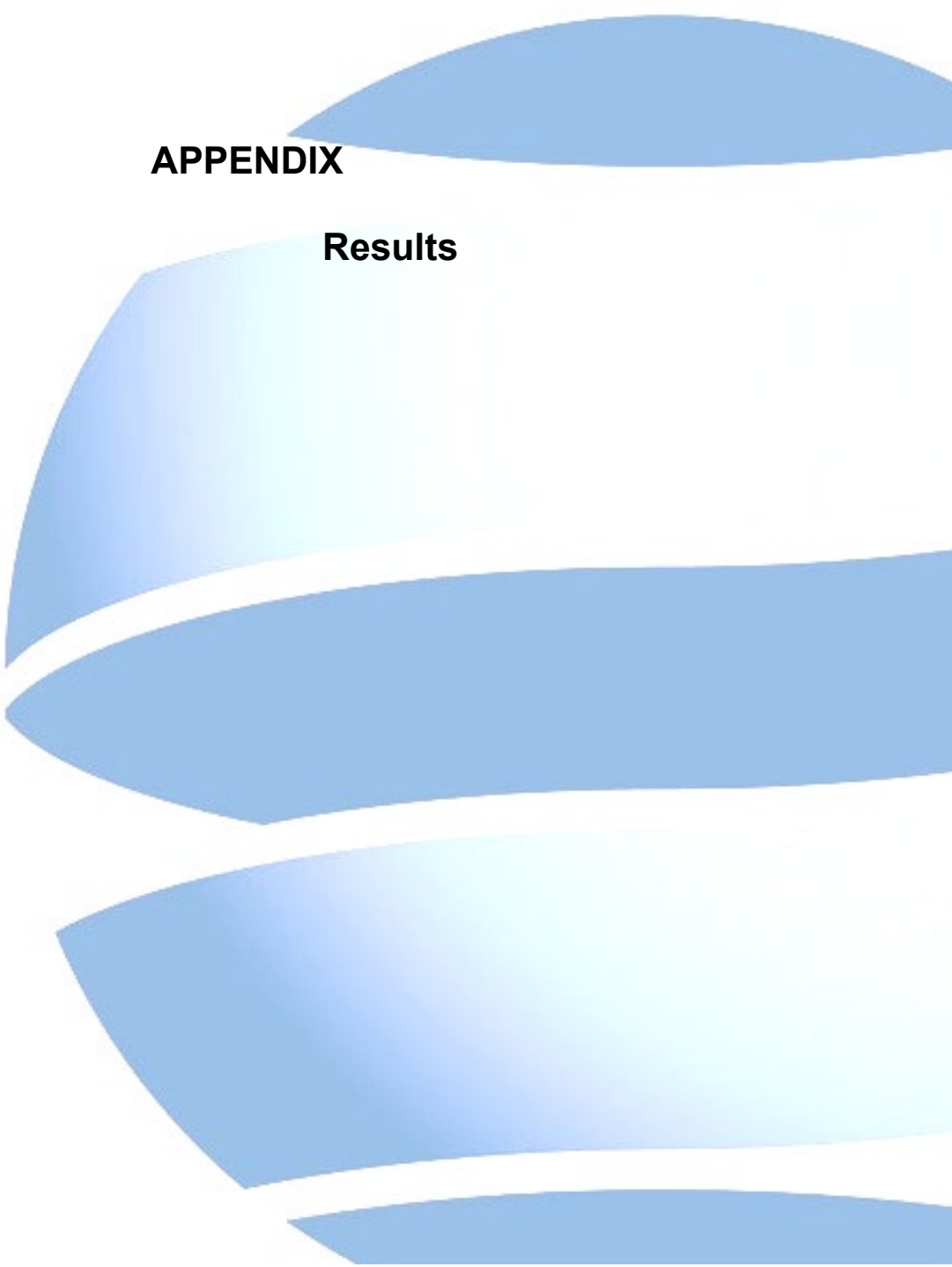
GB MCL List v3.0 - version 3.0 of 11th January 2024

GB MCL List v4.0 - version 4.0 of 2nd March 2024

GB MCL List v5.0 - version 5.0 of 26th June 2024

GB MCL List v6.0 - version 6.0 of 15th February 2025

GB MCL List v7.0 - version 7.0 of 23rd September 2025

The background features a series of overlapping, wavy blue shapes that create a sense of movement and depth. These shapes are in various shades of blue, from a deep cerulean to a lighter, almost white, sky blue, giving the graphic a layered, ethereal appearance.

APPENDIX

Results

WS5

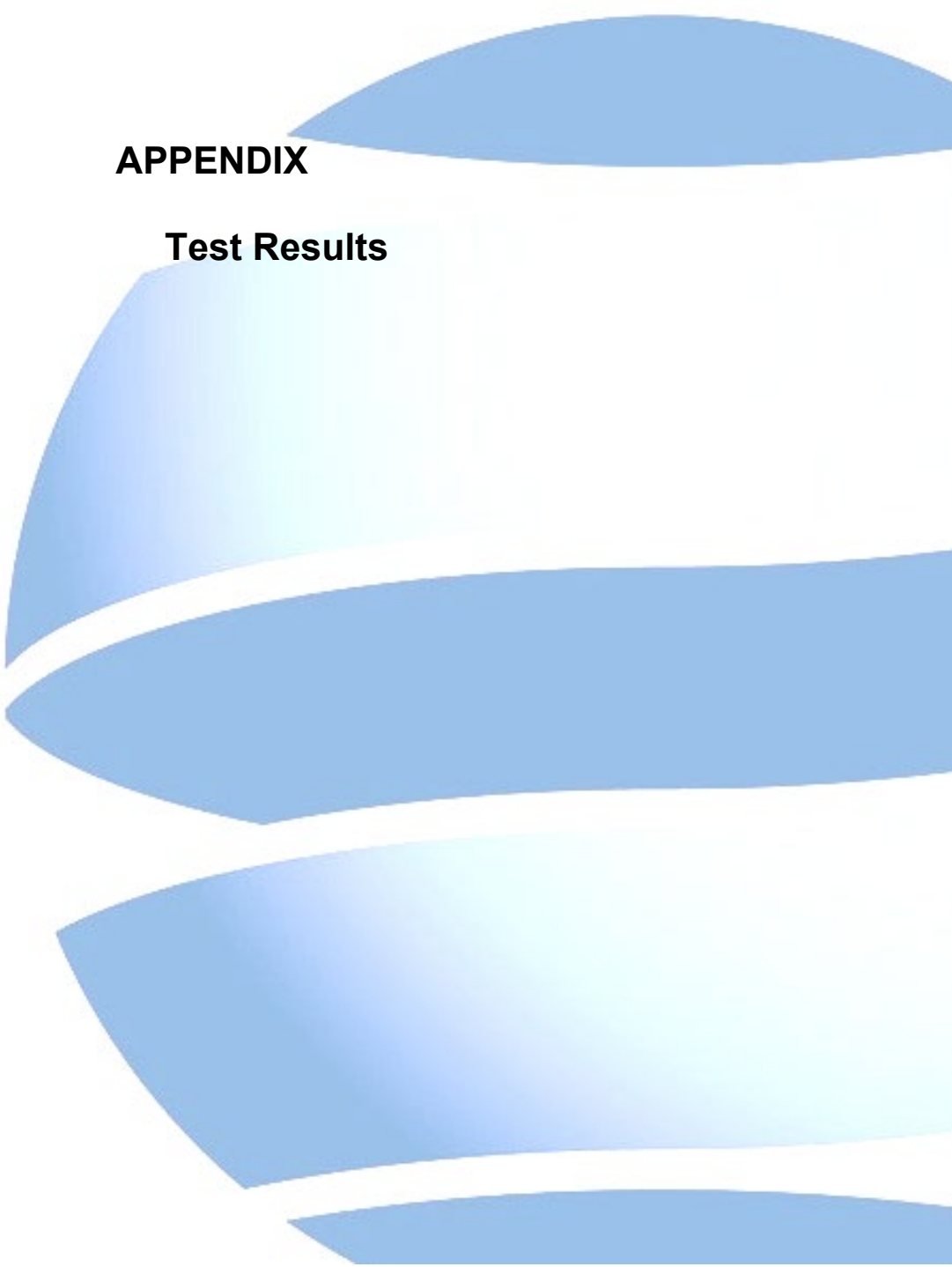
Diameter	0.065	Effective Depth	4.805
Depth to End of Casing		Depth at Start	1.77
Depth to top of permeable Soil		Max water drop	4.7
Depth to Groundwater Surface		Total Soakage Test Time	15
		Mean Internal discharge area	0.493667
		Discharge rate	1.039871 litres/min
		Soakage Rate	2.106423
		Infiltration Rate	3.51E-05

WS6

Diameter	0.065	Effective Depth	4.04
Depth to End of Casing		Depth at Start	3.34
Depth to top of permeable Soil		Max water drop	4.04
Depth to Groundwater Surface		Total Soakage Test Time	1.33
		Mean Internal discharge area	0.415599
		Discharge rate	10.08098
		Soakage Rate	24.25652
		Infiltration Rate	0.000404

WS2

Diameter	0.065	Effective Depth	3.9
Depth to End of Casing		Depth at Start	0.25
Depth to top of permeable Soil		Max water drop	1.02
Depth to Groundwater Surface		Total Soakage Test Time	60
		Mean Internal discharge area	0.401312
		Discharge rate	0.056419 litres/min
		Soakage Rate	0.140585
		Infiltration Rate	2.34E-06



APPENDIX

Test Results

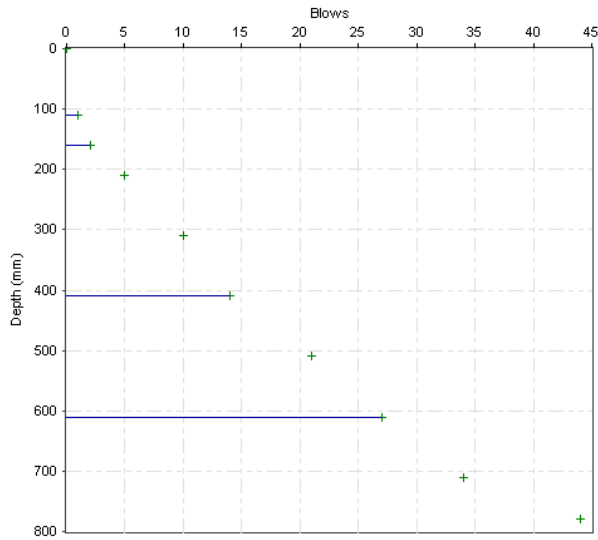
DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

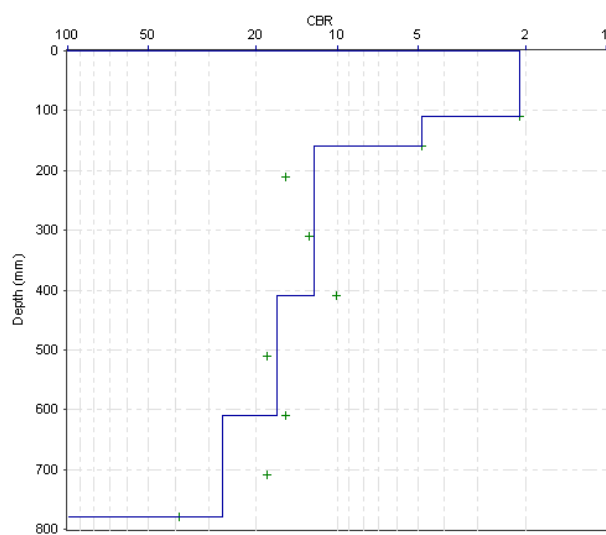
Chainage (km): 0.000
 Direction: 1
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 30/10/2025

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Dry
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 0.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	110.00	2	110	110
2	50.00	5	50	160
3	20.83	12	250	410
4	15.38	17	200	610
5	10.00	26	170	780

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

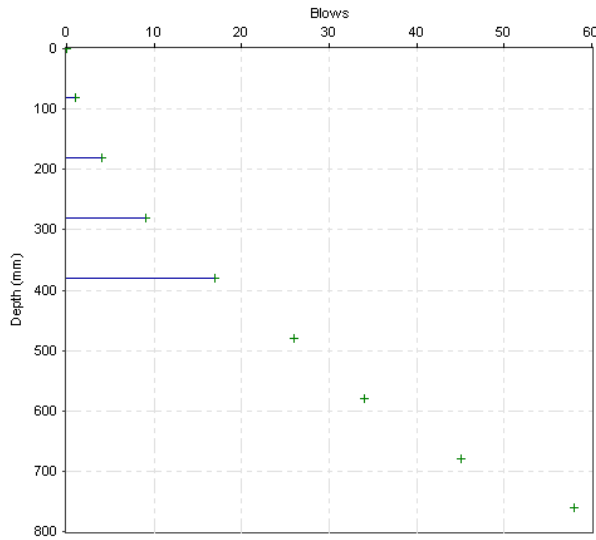
DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

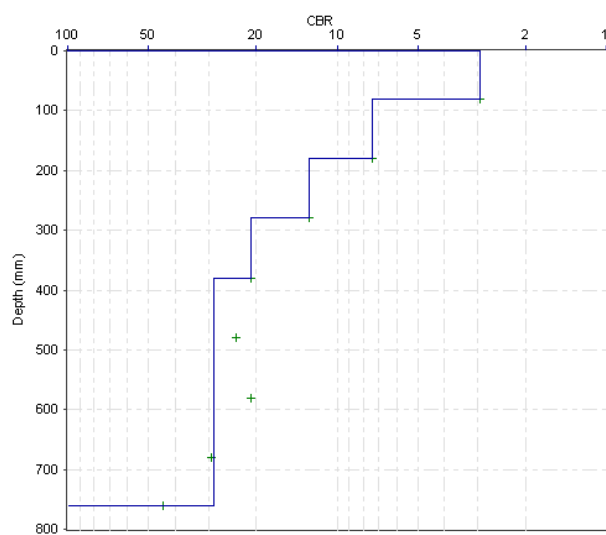
Chainage (km): 2.000
 Direction: 2
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 30/10/2025

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Dry
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 2.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	80.00	3	80	80
2	33.33	7	100	180
3	20.00	13	100	280
4	12.50	21	100	380
5	9.27	29	380	760

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

Chainage (km): 3.000

Direction:

Location/Offset: Lay-by / other

Cone Angle: 60 degrees

Zero Error (mm): 0

Test Date: 30/10/2025

Surface Type: Unpaved

Thickness (mm): 0

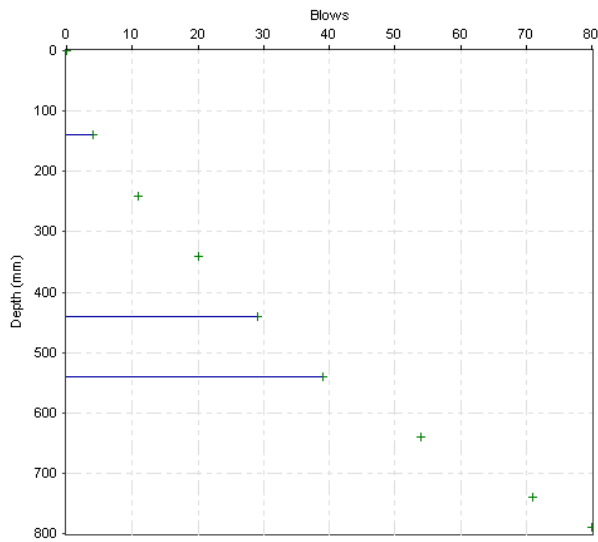
Base Type:

Thickness (mm):

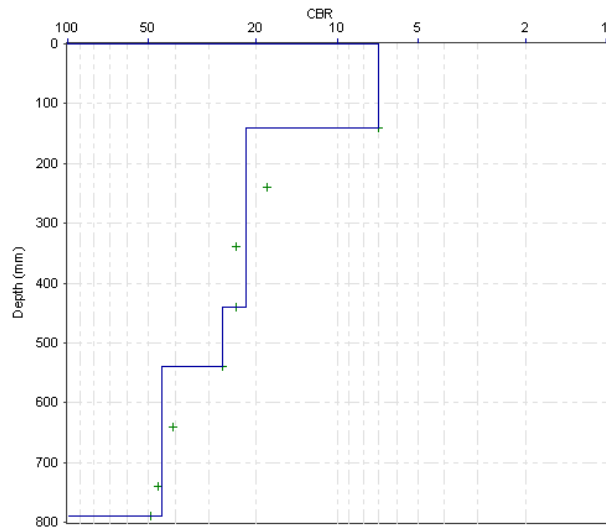
Surface Moisture: Dry

Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 3.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	35.00	7	140	140
2	12.00	22	300	440
3	10.00	26	100	540
4	6.10	45	250	790

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

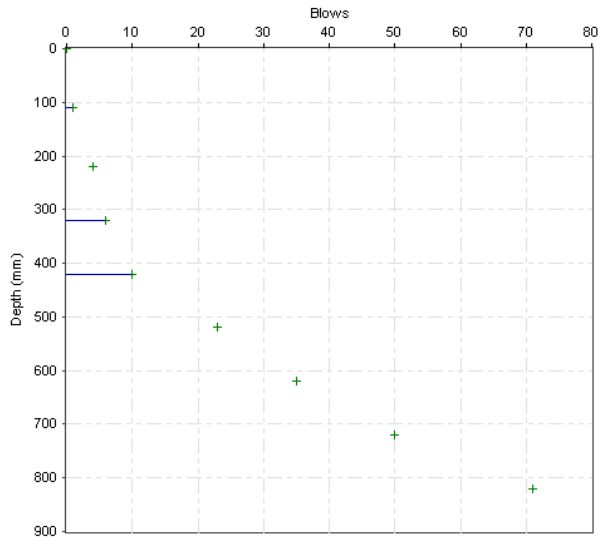
DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

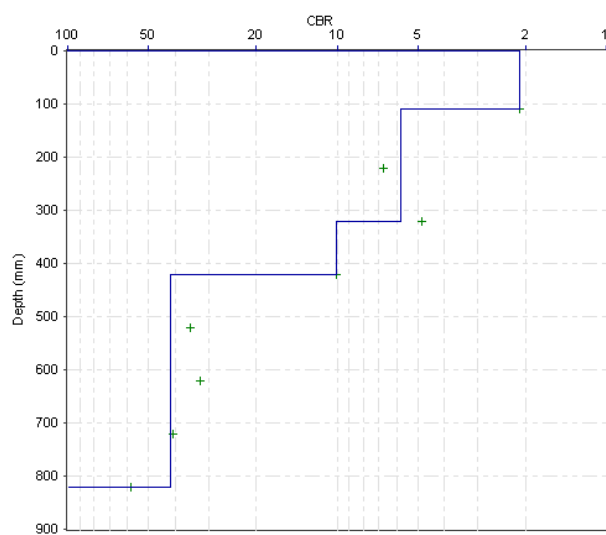
Chainage (km): 4.000
 Direction:
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 30/10/2025

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Dry
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 4.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	110.00	2	110	110
2	42.00	6	210	320
3	25.00	10	100	420
4	6.56	41	400	820

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

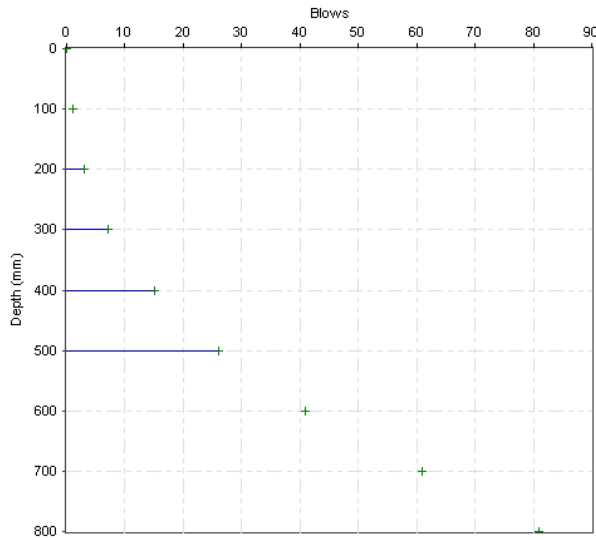
DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

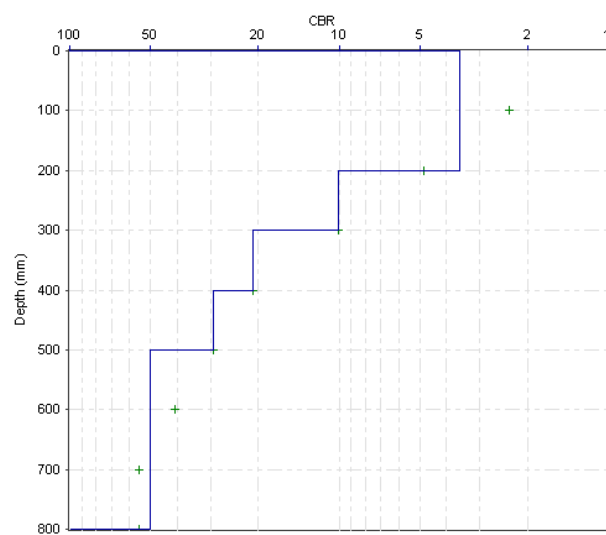
Chainage (km): 5.000
 Direction:
 Location/Offset: Lay-by / other
 Cone Angle: 60 degrees
 Zero Error (mm): 0
 Test Date: 30/10/2025

Surface Type: Unpaved
 Thickness (mm): 0
 Base Type:
 Thickness (mm):
 Surface Moisture: Dry
 Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 5.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	66.67	4	200	200
2	25.00	10	100	300
3	12.50	21	100	400
4	9.09	29	100	500
5	5.45	50	300	800

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

DCP Layer Strength Analysis Report

Project Name: DCP Hitchin

Chainage (km): 6.000

Direction:

Location/Offset: Lay-by / other

Cone Angle: 60 degrees

Zero Error (mm): 0

Test Date: 30/10/2025

Surface Type: Unpaved

Thickness (mm): 0

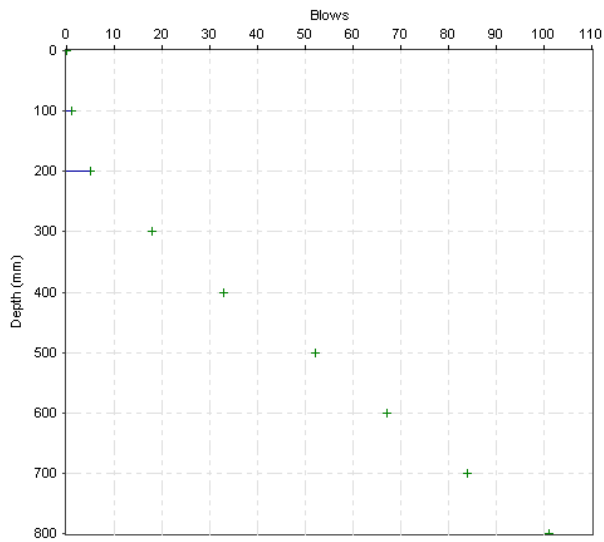
Base Type:

Thickness (mm):

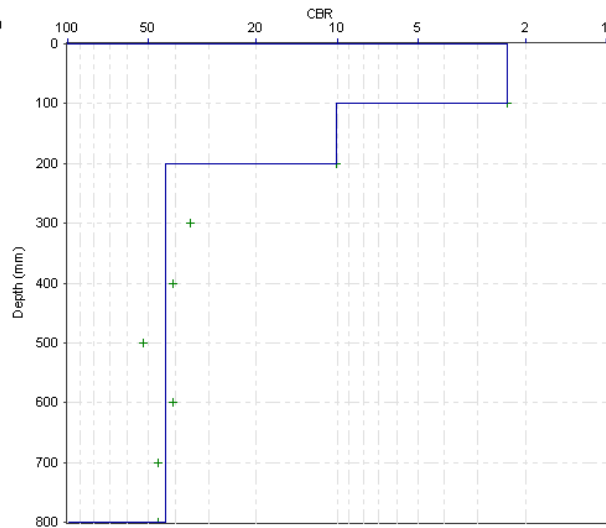
Surface Moisture: Dry

Moisture adjustment factor: Not adjusted

Layer Boundaries: Chainage 6.000



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)
1	100.00	2	100	100
2	25.00	10	100	200
3	6.25	44	600	800

CBR Relationship:

TRL equation: $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{Strength})$

Report produced by

Appendix H

HIGHWAY DRAINAGE VOLUMETRIC CALCULATIONS



Quick Storage Estimate

Input

Input Type

User Input

Area (ha)

0.107

Volumetric Runoff Coefficient

1.000

Discharge Rate (L/s)

0.0

Infiltration Rate (m/hr)

0.0108

Safety Factor

2.0

Quick

Calculate

Create New

From Library

All

FSR

FEH

...

Method

FEH

Number of Storms

24

Max. Run Time (mins)

2880

Input

Results

2D Graph

OK

Cancel

0.0 <= Infiltration Rate (m/hr) <= 1000.0

Help

Quick Storage Estimate

Results

Quick Storage Estimate variables require approximate storage of between 121m³ - 121m³.

With Infiltration storage is reduced to between 81m³ - 114m³.

These values are estimates only and should not be used for final design purposes.

Input

Results

2D Graph

OK

Cancel

Create New

Help



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Cross Lanes
Guildford, Surrey
GU1 1UN

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