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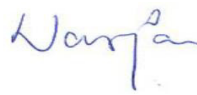
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Analytical Report Number : 23-28066

Project / Site name:	BRWRY Manchester	Samples received on:	13/04/2023
Your job number:	C5313	Samples instructed on/ Analysis started on:	13/04/2023
Your order number:	C5313 4136 JM	Analysis completed by:	20/04/2023
Report Issue Number:	1	Report issued on:	26/04/2023
Samples Analysed:	14 soil samples		


Signed:

Dominika Warjan
Junior Reporting Specialist
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

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

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: 23-28066
 Project / Site name: BRWRY Manchester
 Your Order No: C5313 4136 JM

Lab Sample Number				2646207	2646208	2646209	2646210
Sample Reference				WS105	BH101	BH101	BH102
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				5.00	7.00	18.00-18.45	7.50-7.95
Date Sampled				29/03/2023	30/03/2023	30/03/2023	28/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	10	17	13	10
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.4	8.4	8.4	8.4
Total Sulphate as SO ₄	%	0.005	MCERTS	-	-	-	-
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.051	0.055	0.076	0.093
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	-	-
Total Sulphur	%	0.005	MCERTS	-	-	-	-
Water Soluble Nitrate (2:1) as N (leachate equivalent)	mg/l	2	NONE	-	-	-	-

Heavy Metals / Metalloids

Magnesium (water soluble)	mg/kg	5	NONE	-	-	-	-
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	-	-

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

Analytical Report Number: 23-28066
Project / Site name: BRWRY Manchester
Your Order No: C5313 4136 JM

Lab Sample Number				2646211	2646212	2646213	2646214
Sample Reference				BH102	BH102	BH103	BH103
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				14.00	19.50-19.95	10.00-10.20	16.20-16.40
Date Sampled				28/03/2023	28/03/2023	31/03/2023	31/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	10	14	12
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.2	8.4	8.5	8.3
Total Sulphate as SO ₄	%	0.005	MCERTS	0.044	-	0.029	-
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.096	0.053	0.068	0.16
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	16	-	4	-
Total Sulphur	%	0.005	MCERTS	0.093	-	0.057	-
Water Soluble Nitrate (2:1) as N (leachate equivalent)	mg/l	2	NONE	< 2.0	-	< 2.0	-

Heavy Metals / Metalloids

Magnesium (water soluble)	mg/kg	5	NONE	23	-	16	-
Magnesium (leachate equivalent)	mg/l	2.5	NONE	12	-	7.9	-

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

Analytical Report Number: 23-28066
 Project / Site name: BRWRY Manchester
 Your Order No: C5313 4136 JM

Lab Sample Number				2646215	2646216	2646217	2646218
Sample Reference				BH104	BH104	BH105	BH105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				5.10-5.55	8.20	5.40-5.85	12.90-13.00
Date Sampled				27/03/2023	27/03/2023	30/03/2023	30/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	15	13	7.6
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5	0.5

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.4	8.5	8.3	8.5
Total Sulphate as SO ₄	%	0.005	MCERTS	-	-	0.045	-
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.13	0.06	0.12	0.018
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	-	7.6	-
Total Sulphur	%	0.005	MCERTS	-	-	0.07	-
Water Soluble Nitrate (2:1) as N (leachate equivalent)	mg/l	2	NONE	-	-	< 2.0	-

Heavy Metals / Metalloids

Magnesium (water soluble)	mg/kg	5	NONE	-	-	29	-
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	-	15	-

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

Analytical Report Number: 23-28066
 Project / Site name: BRWRY Manchester
 Your Order No: C5313 4136 JM

Lab Sample Number				2646219	2646220
Sample Reference				BH106	BH106
Sample Number				None Supplied	None Supplied
Depth (m)				4.10-4.55	10.00-10.25
Date Sampled				28/03/2023	28/03/2023
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	7.2
Total mass of sample received	kg	0.001	NONE	0.5	0.5

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.4	8.5
Total Sulphate as SO ₄	%	0.005	MCERTS	-	0.021
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.066	0.025
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	2.5
Total Sulphur	%	0.005	MCERTS	-	0.028
Water Soluble Nitrate (2:1) as N (leachate equivalent)	mg/l	2	NONE	-	< 2.0

Heavy Metals / Metalloids

Magnesium (water soluble)	mg/kg	5	NONE	-	15
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	7.7

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

Analytical Report Number : 23-28066

Project / Site name: BRWRY Manchester

* 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 *
2646207	WS105	None Supplied	5	Brown clay.
2646208	BH101	None Supplied	7	Brown clay.
2646209	BH101	None Supplied	18.00-18.45	Brown clay.
2646210	BH102	None Supplied	7.50-7.95	Brown clay.
2646211	BH102	None Supplied	14	Brown clay.
2646212	BH102	None Supplied	19.50-19.95	Brown clay and sand.
2646213	BH103	None Supplied	10.00-10.20	Brown sand.
2646214	BH103	None Supplied	16.20-16.40	Brown clay and sand.
2646215	BH104	None Supplied	5.10-5.55	Brown clay.
2646216	BH104	None Supplied	8.2	Brown clay and sand.
2646217	BH105	None Supplied	5.40-5.85	Brown clay.
2646218	BH105	None Supplied	12.90-13.00	Brown sand.
2646219	BH106	None Supplied	4.10-4.55	Brown clay.
2646220	BH106	None Supplied	10.00-10.25	Brown clay and sand.

Analytical Report Number : 23-28066
Project / Site name: BRWRY Manchester

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-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	L038-PL	D	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
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
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.	L019-UK/PL	D	NONE
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total Sulphur in soil as %	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Water Soluble Nitrate (2:1) as N 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
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser.	In house method.	L082-PL	D	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 30oC.

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.

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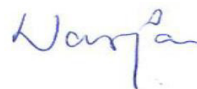
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Analytical Report Number : 23-29332

Project / Site name:	BRWRY, Manchester	Samples received on:	19/04/2023
Your job number:	C5313	Samples instructed on/ Analysis started on:	19/04/2023
Your order number:	C5313 4136 JM	Analysis completed by:	26/04/2023
Report Issue Number:	1	Report issued on:	26/04/2023
Samples Analysed:	4 soil samples		

Signed:



Dominika Warjan
Junior Reporting Specialist
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

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

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: 23-29332
Project / Site name: BRWRY, Manchester
Your Order No: C5313 4136 JM

Lab Sample Number				2653545	2653546	2653547	2653548
Sample Reference				BH101	BH108	BH109	BH109
Sample Number				Core	Core	Core	Core
Depth (m)				26.45	25.50	6.00	17.45
Date Sampled				30/03/2023	30/03/2023	30/03/2023	30/03/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	8.8	10	10	11
Total mass of sample received	kg	0.001	NONE	1	1	1	1

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.5	8	8.3	7.4
Total Sulphate as SO ₄	%	0.005	MCERTS	-	0.006	-	0.008
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.017	0.0051	0.023	0.0077
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	5.1	-	7.7
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	-	1.1	-	1.2
Total Sulphur	%	0.005	MCERTS	-	0.009	-	< 0.005
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
Water Soluble Nitrate (2:1) as N (leachate equivalent)	mg/l	2	NONE	-	< 2.0	-	< 2.0

Heavy Metals / Metalloids

Magnesium (water soluble)	mg/kg	5	NONE	-	< 5.0	-	< 5.0
Magnesium (leachate equivalent)	mg/l	2.5	NONE	-	< 2.5	-	< 2.5

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

Analytical Report Number : 23-29332

Project / Site name: BRWRY, Manchester

* 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 *
2653545	BH101	Core	26.45	Brown sand.
2653546	BH108	Core	25.5	Brown sand.
2653547	BH109	Core	6	Brown sand.
2653548	BH109	Core	17.45	Brown sand.

Analytical Report Number : 23-29332
Project / Site name: BRWRY, Manchester

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-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	L038-PL	D	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
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
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.	L019-UK/PL	D	NONE
Ammonium as NH4 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	L082-PL	W	MCERTS
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total Sulphur in soil as %	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Water Soluble Nitrate (2:1) as N 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
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser.	In house method.	L082-PL	D	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	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 30oC.

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.



UNIAXIAL COMPRESSION TEST ON ROCK - SUMMARY OF RESULTS

Project No. 25748	Project Name Old Brewery Gardens, Manchester													
Client ID	Client													
J18242	GEA													
Test Method	International Society for Rock Mechanics, The complete ISRM suggested test method for Rock Characterization Testing and Monitoring 2007													
Hole No.	Sample				Description	Specimen Dimensions			Bulk Density Mg/m3	Water Content %	Uniaxial Compression			Remarks
	Ref	Top m	Base m	Type		Dia. mm	Length mm	H/D			Condition	Mode of failure	UCS MPa	
BH1	22	28.50	-	D	Reddish brown SANDSTONE core	70.0	169.0	2.4	2.24	4.9	as received	F	12	
BH3		14.20	-	C	Reddish brown SANDSTONE core	71.0	230.0	3.2	2.26	8.6	as received	F	11	
BH4	20	18.00	-	D	Reddish brown SANDSTONE core	70.0	230.0	3.3	2.23	8.4	as received	F	4.9	
BH5	6	9.50	-	D	Reddish brown SANDSTONE core	72.0	125.0	1.7	2.08	8.3	as received	AC	9.8	
BH5	6	14.50	-	D	Reddish brown SANDSTONE core	72.0	150.0	2.1	2.03	8.6	as received	AC	7.8	
BH6	10	21.00	-	D	Reddish brown SANDSTONE core	72.0	86.0	1.2	2.09	10	as received	AC	3.9	
BH8	17	24.90	-	D	Reddish brown SANDSTONE core	71.0	157.0	2.2	2.28	12	as received	AC	12	
BH9	25	28.75	-	D	Reddish brown SANDSTONE core	70.0	229.0	3.3	2.25	8.4	as received	F	17	
BH10	15	28.55	-	D	Reddish brown SANDSTONE core	72.0	116.0	1.6	2.30	9.4	as received	AC	12	
Notes 1 ISRM p87 test 1, water content at 105 ± 3 °C, specimen as tested for UCS 2 ISRM p86 clause (vii), Caliper method used for determination of bulk volume and derivation of bulk density 3 ISRM p153 part 1, determination of Uniaxial Compressive Strength (UCS) of Rock Materials above notes apply unless annotated otherwise in the remarks Mode of failure : S - Single MS - multiple shear AC - Axia F - Fragmented														
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: K.P Date: 25/01/2019		



UNIAXIAL COMPRESSION TEST ON ROCK - SUMMARY OF RESULTS

Project No. 25748	Project Name Old Brewery Gardens, Manchester													
Client ID J18242	Client GEA													
Test Method	International Society for Rock Mechanics, The complete ISRM suggested test method for Rock Characterization Testing and Monitoring 2007													
Hole No.	Sample				Description	Specimen Dimensions			Bulk Density Mg/m3	Water Content %	Uniaxial Compression			Remarks
	Ref	Top m	Base m	Type		Dia. mm	Length mm	H/D			Condition	Mode of failure	UCS MPa	
BH11	2	10.50	-	D	Reddish brown SANDSTONE core	72.0	128.0	1.8	2.21	11	as received	AC		
Notes 1 ISRM p87 test 1, water content at 105 ± 3 oC, specimen as tested for UCS 2 ISRM p86 clause (vii), Caliper method used for determination of bulk volume and derivation of bulk density 3 ISRM p153 part 1, determination of Uniaxial Compressive Strength (UCS) of Rock Materials above notes apply unless annotated otherwise in the remarks														
Mode of failure : S - Single MS - multiple shear AC - Axia F - Fragmented														
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: K.P Date: 25/01/2019				



Summary of Point Load Test Results

Job No. 25748	Project Name Old Brewery Gardens, Manchester	Programme	
		Samples received	30/11/2018
Project No. J18242	Client GEA	Schedule received	08/01/2019
		Project started	10/01/2019
		Testing Started	17/01/2019

Hole No.	Sample				Description	Test Type	Sample Width W (mm)	Platen Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De2 (Mpa)	Correction Factor F	Is (50)	Remarks
	Ref	Top m	Base m	Type										
BH1	22	26.30	-	D	Reddish brown SANDSTONE fragments	Irregular lump	44.00	34.00	0.06	43.64	0.03	0.94	0.03	
BH1	22	26.30	-	D	Reddish brown SANDSTONE fragments	Irregular lump	33.00	33.00	0.05	37.24	0.04	0.88	0.03	
BH1	22	26.30	-	D	Reddish brown SANDSTONE fragments	Irregular lump	71.00	41.00	0.02	60.88	0.01	1.09	0.01	
BH1	22	26.30	-	D	Reddish brown SANDSTONE fragments	Irregular lump	41.00	31.00	0.02	40.23	0.01	0.91	0.01	
BH1	22	26.30	-	D	Reddish brown SANDSTONE fragments	Irregular lump	38.00	33.00	0.02	39.96	0.01	0.90	0.01	
BH1	22	27.40	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	0.40	81.24	0.06	1.24	0.08	
BH1	22	27.40	-	D	Reddish brown SANDSTONE core	Axial	72.00	43.00	0.98	62.78	0.25	1.11	0.28	
BH1	22	27.40	-	D	Reddish brown SANDSTONE core	Axial	72.00	32.00	0.05	54.16	0.02	1.04	0.02	
BH1	22	27.40	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	0.81	81.24	0.12	1.24	0.15	
BH1	22	27.40	-	D	Reddish brown SANDSTONE core	Axial	72.00	38.00	1.00	59.02	0.29	1.08	0.31	
BH3		12.20	-	D	Reddish brown SANDSTONE core	Axial	72.00	38.00	1.05	59.02	0.30	1.08	0.32	

Tested in accordance with ISRM 325-89 RTH Suggested Method for Determining Point Load Strength	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	K.P
													Date:	25/01/2019



Summary of Point Load Test Results

Job No. 25748	Project Name Old Brewery Gardens, Manchester	Programme	
		Samples received	30/11/2018
Project No. J18242	Client GEA	Schedule received	08/01/2019
		Project started	10/01/2019
		Testing Started	17/01/2019

Hole No.	Sample				Description	Test Type	Sample Width W (mm)	Platen Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De ² (Mpa)	Correction Factor F	Is (50)	Remarks
	Ref	Top m	Base m	Type										
BH3		12.20	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	0.60	81.24	0.09	1.24	0.11	
BH3		12.20	-	D	Reddish brown SANDSTONE core	Axial	72.00	60.00	0.93	74.16	0.17	1.19	0.20	
BH3		12.20	-	D	Reddish brown SANDSTONE core	Axial	72.00	32.00	0.98	54.16	0.33	1.04	0.35	
BH3		12.20	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	0.72	81.24	0.11	1.24	0.14	
BH3		13.35	-	D	Reddish brown SANDSTONE core	Axial	46.00	38.00	0.60	47.18	0.27	0.97	0.26	
BH3		13.35	-	D	Reddish brown SANDSTONE core	Irregular lump	71.00	41.00	0.42	60.88	0.11	1.09	0.12	
BH3		13.35	-	D	Reddish brown SANDSTONE core	Irregular lump	71.00	39.00	0.35	59.38	0.10	1.08	0.11	
BH3		13.35	-	D	Reddish brown SANDSTONE core	Axial	44.00	36.00	0.61	44.91	0.30	0.95	0.29	
BH3		13.35	-	D	Reddish brown SANDSTONE core	Irregular lump	71.00	45.00	0.45	63.78	0.11	1.12	0.12	
BH4	20	15.80	-	D	Reddish brown SANDSTONE core	Irregular lump	35.00	37.00	0.42	40.61	0.25	0.91	0.23	
BH4	20	15.80	-	D	Reddish brown SANDSTONE core	Diametral	71.00	71.00	1.33	80.11	0.21	1.24	0.26	

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													Initials K.P Date: 25/01/2019	

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

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Summary of Point Load Test Results

Job No. 25748	Project Name Old Brewery Gardens, Manchester	Programme	
		Samples received	30/11/2018
Project No. J18242	Client GEA	Schedule received	08/01/2019
		Project started	10/01/2019
		Testing Started	17/01/2019

Hole No.	Sample				Description	Test Type	Sample Width W (mm)	Platen Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De2 (Mpa)	Correction Factor F	Is (50)	Remarks
	Ref	Top m	Base m	Type										
BH4	20	15.80	-	D	Reddish brown SANDSTONE core	Axial	71.00	24.00	1.90	46.58	0.88	0.97	0.85	
BH4	20	15.80	-	D	Reddish brown SANDSTONE core	Irregular lump	37.00	35.00	0.50	40.61	0.30	0.91	0.28	
BH4	20	15.80	-	D	Reddish brown SANDSTONE core	Axial	71.00	36.00	1.49	57.05	0.46	1.06	0.49	
BH4	20	17.00	-	D	Reddish brown SANDSTONE core	Diametral	73.00	73.00	0.75	82.37	0.11	1.25	0.14	
BH4	20	17.00	-	D	Reddish brown SANDSTONE core	Axial	73.00	41.00	1.20	61.73	0.31	1.10	0.35	
BH4	20	17.00	-	D	Reddish brown SANDSTONE core	Diametral	73.00	73.00	0.62	82.37	0.09	1.25	0.11	
BH4	20	17.00	-	D	Reddish brown SANDSTONE core	Diametral	73.00	73.00	0.82	82.37	0.12	1.25	0.15	
BH4	20	17.00	-	D	Reddish brown SANDSTONE core	Axial	73.00	40.00	1.28	60.97	0.34	1.09	0.38	
BH5	6	11.00	-	D	Reddish brown SANDSTONE core and fragments	Diametral	71.00	71.00	0.60	80.11	0.09	1.24	0.12	
BH5	6	11.00	-	D	Reddish brown SANDSTONE core and fragments	Axial	71.00	36.00	0.60	57.05	0.18	1.06	0.20	
BH5	6	11.00	-	D	Reddish brown SANDSTONE core and fragments	Axial	71.00	25.00	0.59	47.54	0.26	0.98	0.26	

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Summary of Point Load Test Results

Job No. 25748	Project Name Old Brewery Gardens, Manchester	Programme	
		Samples received	30/11/2018
Project No. J18242	Client GEA	Schedule received	08/01/2019
		Project started	10/01/2019
		Testing Started	17/01/2019

Hole No.	Sample				Description	Test Type	Sample Width W (mm)	Platen Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De2 (Mpa)	Correction Factor F	Is (50)	Remarks
	Ref	Top m	Base m	Type										
BH5	6	11.00	-	D	Reddish brown SANDSTONE core and fragments	Diametral	71.00	71.00	0.42	80.11	0.07	1.24	0.08	
BH5	6	11.00	-	D	Reddish brown SANDSTONE core and fragments	Axial	71.00	34.00	0.70	55.44	0.23	1.05	0.24	
BH6	10	22.50	-	D	Reddish brown SANDSTONE core	Irregular lump	70.00	20.00	0.45	42.22	0.25	0.93	0.23	
BH6	10	22.50	-	D	Reddish brown SANDSTONE core	Diametral	70.00	70.00	0.65	78.99	0.10	1.23	0.13	
BH6	10	22.50	-	D	Reddish brown SANDSTONE core	Axial	70.00	40.00	0.98	59.71	0.27	1.08	0.30	
BH6	10	22.50	-	D	Reddish brown SANDSTONE core	Irregular lump	70.00	17.00	0.34	38.92	0.22	0.89	0.20	
BH6	10	22.50	-	D	Reddish brown SANDSTONE core	Diametral	70.00	70.00	0.45	78.99	0.07	1.23	0.09	
BH6	10	24.20	-	D	Reddish brown SANDSTONE core	Irregular lump	61.00	39.00	0.23	55.04	0.08	1.04	0.08	
BH6	10	24.20	-	D	Reddish brown SANDSTONE core	Irregular lump	72.00	58.00	0.10	72.92	0.02	1.19	0.02	
BH6	10	24.20	-	D	Reddish brown SANDSTONE core	Irregular lump	72.00	51.00	0.03	68.38	0.01	1.15	0.01	
BH6	10	24.20	-	D	Reddish brown SANDSTONE core	Irregular lump	67.00	47.00	0.05	63.32	0.01	1.11	0.01	

Tested in accordance with ISRM 325-89 RTH Suggested Method for Determining Point Load Strength	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	
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Summary of Point Load Test Results

Job No. 25748	Project Name Old Brewery Gardens, Manchester	Programme	
		Samples received	30/11/2018
Project No. J18242	Client GEA	Schedule received	08/01/2019
		Project started	10/01/2019
		Testing Started	17/01/2019

Hole No.	Sample				Description	Test Type	Sample Width W (mm)	Platen Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De2 (Mpa)	Correction Factor F	Is (50)	Remarks
	Ref	Top m	Base m	Type										
BH6	10	24.20	-	D	Reddish brown SANDSTONE core	Irregular lump	72.00	67.00	0.10	78.37	0.02	1.22	0.02	
BH8	17	22.30	-	D	Reddish brown SANDSTONE core	Axial	71.00	48.00	0.50	65.87	0.12	1.13	0.13	
BH8	17	22.30	-	D	Reddish brown SANDSTONE core	Axial	71.00	56.00	0.70	71.15	0.14	1.17	0.16	
BH8	17	22.30	-	D	Reddish brown SANDSTONE core	Diametral	71.00	71.00	0.30	80.11	0.05	1.24	0.06	
BH8	17	22.30	-	D	Reddish brown SANDSTONE core	Diametral	71.00	71.00	0.40	80.11	0.06	1.24	0.08	
BH8	17	22.30	-	D	Reddish brown SANDSTONE core	Axial	71.00	27.00	0.19	49.40	0.08	0.99	0.08	
BH8	17	23.00	-	D	Reddish brown SANDSTONE core	Diametral	71.00	71.00	0.55	80.11	0.09	1.24	0.11	
BH8	17	23.00	-	D	Reddish brown SANDSTONE core	Axial	71.00	30.00	0.02	52.08	0.01	1.02	0.01	
BH8	17	23.00	-	D	Reddish brown SANDSTONE core	Axial	71.00	30.00	0.60	52.08	0.22	1.02	0.23	
BH8	17	23.00	-	D	Reddish brown SANDSTONE core	Diametral	71.00	71.00	0.35	80.11	0.05	1.24	0.07	
BH8	17	23.00	-	D	Reddish brown SANDSTONE core	Axial	71.00	34.00	0.52	55.44	0.17	1.05	0.18	

Tested in accordance with ISRM 325-89 RTH
Suggested Method for Determining Point Load Strength

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 K.P
Date: 25/01/2019



Summary of Point Load Test Results

Job No.	Project Name	Programme	
25748	Old Brewery Gardens, Manchester	Samples received	30/11/2018
		Schedule received	08/01/2019
Project No.	Client	Project started	10/01/2019
J18242	GEA	Testing Started	17/01/2019

Hole No.	Sample				Description	Test Type	Sample Width W (mm)	Platen Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De2 (Mpa)	Correction Factor F	Is (50)	Remarks
	Ref	Top m	Base m	Type										
BH9	25	26.00	-	D	Reddish brown SANDSTONE core	Axial	72.00	36.00	0.90	57.45	0.27	1.06	0.29	
BH9	25	26.00	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	1.03	81.24	0.16	1.24	0.19	
BH9	25	26.00	-	D	Reddish brown SANDSTONE core	Axial	72.00	53.00	1.68	69.70	0.35	1.16	0.40	
BH9	25	26.00	-	D	Reddish brown SANDSTONE core	Axial	72.00	41.00	1.10	61.31	0.29	1.10	0.32	
BH9	25	26.00	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	0.95	81.24	0.14	1.24	0.18	
BH9	25	27.70	-	D	Reddish brown SANDSTONE core	Axial	70.00	37.00	0.62	57.43	0.19	1.06	0.20	
BH9	25	27.70	-	D	Reddish brown SANDSTONE core	Diametral	70.00	70.00	0.22	78.99	0.04	1.23	0.04	
BH9	25	27.70	-	D	Reddish brown SANDSTONE core	Axial	70.00	41.00	0.72	60.45	0.20	1.09	0.21	
BH9	25	27.70	-	D	Reddish brown SANDSTONE core	Axial	70.00	28.00	0.35	49.96	0.14	1.00	0.14	
BH9	25	27.70	-	D	Reddish brown SANDSTONE core	Diametral	70.00	70.00	0.30	78.99	0.05	1.23	0.06	
BH10	15	26.80	-	D	Reddish brown SANDSTONE core	Diametral	70.00	70.00	1.08	78.99	0.17	1.23	0.21	

Tested in accordance with ISRM 325-89 RTH
Suggested Method for Determining Point
Load Strength

Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
Watford Herts WD18 9RU

Unit 8 Olds Close Olds Approach
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Summary of Point Load Test Results

Job No. 25748	Project Name Old Brewery Gardens, Manchester	Programme	
		Samples received	30/11/2018
Project No. J18242	Client GEA	Schedule received	08/01/2019
		Project started	10/01/2019
		Testing Started	17/01/2019

Hole No.	Sample				Description	Test Type	Sample Width W (mm)	Platen Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De2 (Mpa)	Correction Factor F	Is (50)	Remarks
	Ref	Top m	Base m	Type										
BH10	15	26.80	-	D	Reddish brown SANDSTONE core	Axial	70.00	42.00	1.29	61.18	0.34	1.10	0.38	
BH10	15	26.80	-	D	Reddish brown SANDSTONE core	Diametral	70.00	70.00	1.00	78.99	0.16	1.23	0.20	
BH10	15	26.80	-	D	Reddish brown SANDSTONE core	Diametral	70.00	70.00	1.02	78.99	0.16	1.23	0.20	
BH10	15	26.80	-	D	Reddish brown SANDSTONE core	Axial	70.00	33.00	1.18	54.23	0.40	1.04	0.42	
BH10	15	29.80	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	0.55	81.24	0.08	1.24	0.10	
BH10	15	29.80	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	0.62	81.24	0.09	1.24	0.12	
BH10	15	29.80	-	D	Reddish brown SANDSTONE core	Irregular lump	72.00	39.00	1.28	59.79	0.36	1.08	0.39	
BH10	15	29.80	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	0.70	81.24	0.11	1.24	0.13	
BH10	15	29.80	-	D	Reddish brown SANDSTONE core	Axial	72.00	48.00	1.10	66.33	0.25	1.14	0.28	
BH11	1	9.00	-	D	Reddish brown SANDSTONE core	Axial	72.00	31.00	0.70	53.31	0.25	1.03	0.25	
BH11	1	9.00	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	0.49	81.24	0.07	1.24	0.09	

Tested in accordance with ISRM 325-89 RTH
Suggested Method for Determining Point
Load Strength

Test Report by K4 SOILS LABORATORY
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Summary of Point Load Test Results

Job No.	Project Name	Programme	
25748	Old Brewery Gardens, Manchester	Samples received	30/11/2018
		Schedule received	08/01/2019
Project No.	Client	Project started	10/01/2019
J18242	GEA	Testing Started	17/01/2019

Hole No.	Sample				Description	Test Type	Sample Width W (mm)	Platen Separation D (mm)	Failure Load P (kN)	Equivalent Diameter De (mm)	P/De2 (Mpa)	Correction Factor F	Is (50)	Remarks
	Ref	Top m	Base m	Type										
BH11	1	9.00	-	D	Reddish brown SANDSTONE core	Axial	72.00	72.00	0.30	81.24	0.05	1.24	0.06	
BH11	1	9.00	-	D	Reddish brown SANDSTONE core	Axial	72.00	37.00	0.49	58.24	0.14	1.07	0.15	
BH11	1	9.00	-	D	Reddish brown SANDSTONE core	Diametral	72.00	72.00	0.65	81.24	0.10	1.24	0.12	
BH11	3	11.50	-	D	Reddish brown SANDSTONE core and fragments	Irregular lump	72.00	60.00	0.10	74.16	0.02	1.19	0.02	
BH11	3	11.50	-	D	Reddish brown SANDSTONE core and fragments	Irregular lump	58.00	24.00	0.09	42.10	0.05	0.93	0.05	
BH11	3	11.50	-	D	Reddish brown SANDSTONE core and fragments	Irregular lump	56.00	20.00	0.16	37.76	0.11	0.88	0.10	
BH11	3	11.50	-	D	Reddish brown SANDSTONE core and fragments	Irregular lump	72.00	58.00	0.20	72.92	0.04	1.19	0.04	
BH11	3	11.50	-	D	Reddish brown SANDSTONE core and fragments	Irregular lump	60.00	38.00	0.27	53.88	0.09	1.03	0.10	

Tested in accordance with ISRM 325-89 RTH Suggested Method for Determining Point Load Strength	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	K.P
			Date:	25/01/2019

APPENDIX E

Monitoring Results

Ground Gas Monitoring Results



CLIENT:		Date	Operator	Analysar	Weather Observations			Temp (°C)	Pressure Trend	Min Barometric Pressure (mb)	Notes
DOMIS CONSTRUCTION		04/04/2023	MB	GFM436	Sunny	Light breeze	Cool	7	Falling	1020	
JOB NO.		06/04/2023	MB	GFM436	Light rain	Light breeze	Cool	11	Falling	1006	
C5313		12/04/2023	SJ	GFM436	Light rain	Light breeze	Cool	7	Falling	977	
		13/04/2023	SJ	GFM436	Overcast	Light breeze	Cool	7	Rising	992	
SITE:		14/04/2023	NA	GA5000	Overcast	Light breeze	Cool	7	Rising	999	
BRWRY, NEW BRIDGE STREET, MANCHESTER		17/04/2023	MB	GA5000	Overcast	Light breeze	Cool	12	Rising	1025	
		24/04/2023	MB	GA5000	Sunny	Light breeze	Cool	6	Rising	1007	

Notes: mb = milibars; CH₄ = methane; LEL = lower explosive limit = 5%v/v; CO₂ = carbon dioxide; O₂ = oxygen; CO=carbon monoxide; H₂S = hydrogen sulphide; TVOC= Total volatile organic compounds; PPM = parts per million. Where the flow is less than the limit of detection of the instrument, the detection limit is reported (Highlighted in green). Gas Screening Values (GSVs) are rounded to 3 decimal places. Calibration Records for analysers used available on request.

Date	Time	Location	Response zone (m)		Pressures (mb)		Gas flows (l/hr)		CH ₄ (%v/v)		CH ₄ (%LEL)		CO ₂ (%v/v)		O ₂ (%v/v)		Other Gases (PPM)			Depth to Water (m)	Well Base (m)	Gas Screening Value (CH ₄) (l/hr)	Gas Screening Value (CO ₂) (l/hr)	Notes
					Atmospheric Pressure	Relative Well Pressure	Initial	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	CO	H ₂ S	TVOC (PID)					
					Summary Statistics																			
Max. values:					1026	7.7	28.9	7.8	7.4	3.4	148.0	68.0	1.9	0.9	21.5	22.0	10.0	10.0	1.0	14.8	17.6	0.012	0.148	Highlight Box - Methane >1.0% v/v
Min. values:					977	-5.9	-5.8	-2.0	0.1	0.1	2.0	2.0	0.1	0.1	0.7	0.9	0.0	0.0	0.0	1.1	1.0	0.000	0.000	Highlight Box - Carbon Dioxide >5.0% v/v
Top Bottom					Worst-case GSVs based on maximum recorded steady flow and maximum individual peak concentrations:																	0.577	0.148	Highlight Box - Water above Response Zone
04/04/2023	AM	Ambient			1023																			
		BH03	9.7	14.70			0.1	0.1	1.7	1.6	34.0	32.0	0.1	0.1	19.0	19.0	10.0	10.0	0.0	6.30	7.00	0.002	0.000	
		WS101	1.00	2.00			11.6	0.1	0.1	0.1	2.0	2.0	0.4	0.4	20.2	19.8	0.0	0.0	0.0	Dry	2.00	0.000	0.000	
		WS102	0.50	1.20			0.1	0.1	0.1	0.1	2.0	2.0	0.2	0.2	19.0	18.4	0.0	0.0	0.0	Dry	1.94	0.000	0.000	
		WS105	2.00	5.00			28.9	0.1	0.1	0.1	2.0	2.0	0.1	0.1	19.4	19.4	0.0	0.0	0.0	1.10	4.46	0.000	0.000	
04/04/2023	AM	Ambient			1020																			
06/04/2023	PM	Ambient			1007																			
		BH03	9.7	14.70			0.1	0.1	0.1	0.1	2.0	2.0	0.1	0.1	20.4	20.0	0.0	0.0	1.0	7.26	7.62	0.000	0.000	Clam
		BH103	1.00	5.00			0.1	0.1	0.1	0.1	2.0	2.0	0.7	0.7	20.2	19.7	0.0	0.0	1.0	2.00	4.72	0.000	0.001	Clam
		BH106 D	5.00	15.00			16.9	0.1	0.1	0.1	2.0	2.0	0.1	0.1	20.2	18.1	0.0	0.0	1.0	Dry	13.20	0.000	0.000	Clam
06/04/2023	PM	Ambient			1006																			
12/04/2023	PM	Ambient			980																			
		BH102	10.00	20.00		0.1	0.1	0.1	0.1	0.1	2.0	2.0	0.1	0.1	20.0	20.2	0.0	0.0		14.75	17.62	0.000	0.000	
		BH103	1.00	5.00		0.1	0.1	0.1	0.1	0.1	2.0	2.0	0.1	0.1	20.2	20.2	0.0	0.0		2.00	4.72	0.000	0.000	Clam
		BH106 S	1.00	2.00		0.1	0.1	0.1	3.5	2.3	70.0	46.0	0.4	0.3	7.6	12.0	0.0	0.0		2.00	2.14	0.004	0.000	
		BH106 D	5.00	15.00		7.7	8.5	7.8	0.1	0.1	2.0	2.0	1.9	0.1	18.1	13.0	0.0	0.0		12.70	13.20	0.008	0.148	Clam
		BH03	9.7	14.70		1.0	1.0	0.4	0.1	0.1	2.0	2.0	0.1	0.1	19.9	20.0	0.0	0.0		7.40	7.70	0.000	0.000	Clam
		WS101	1.00	2.00		0.1	0.1	0.1	0.1	0.1	2.0	2.0	0.6	0.3	19.6	20.0	0.0	0.0		Dry	2.00	0.000	0.001	
		WS102	0.50	1.20		0.1	0.1	0.1	0.1	0.1	2.0	2.0	0.1	0.1	20.1	20.2	0.0	0.0		Dry	1.03	0.000	0.000	
12/04/2023	PM	Ambient			977																			
13/04/23	AM				992																			
		WS105	2.00	5.00		FLOODED	6.8	0.1	0.1	0.1	2.0	2.0	0.1	0.1	20.1	20.2	0.0	0.0	0.0	1.66	4.32	0.000	0.000	Head works flooded
13/04/2023	AM				992																			
14/04/2023	AM	Ambient			999																			
		BH106 S	1.00	2.00		0.1	0.1	0.1	7.4	3.4	148.0	68.0	0.8	0.4	11.1	11.5	X	0.0	0.1	1.90	1.97	0.007	0.001	
		BH106 D	5.00	15.00		-1.2	0.1	0.1	0.1	0.1	2.0	2.0	0.1	0.1	21.5	22.0	X	0.0	0.0	12.76	13.00	0.000	0.000	
		BH108	5.00	7.00		0.2	-0.1	-0.1	0.1	0.1	2.0	2.0	0.2	0.1	20.4	21.4	X	0.0	0.1	1.20	6.70	0.000	0.000	
14/04/2023	AM	Ambient			1000																			

Ground Gas Monitoring Results



Date	Time	Location	Response zone (m)		Pressures (mb)		Gas flows (l/hr)		CH ₄ (%v/v)		CH ₄ (%LEL)		CO ₂ (%v/v)		O ₂ (%v/v)		Other Gases (PPM)			Depth to Water (m)	Well Base (m)	Gas Screening Value (CH ₄) (l/hr)	Gas Screening Value (CO ₂) (l/hr)	Notes
					Atmospheric Pressure	Relative Well Pressure	Initial	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	CO	H ₂ S	TVOC (PID)					
17/04/2023	AM	Ambient			1025																			
		BH102	10.00	20.00		-5.9	-2.1	-0.2	0.1	0.1	2.0	2.0	0.1	0.1	19.8	21.3	X	0.0	0.0	14.06	17.18	0.000	0.000	
		BH103	1.00	5.00		-0.1	0.1	-0.1	0.1	0.1	2.0	2.0	0.1	0.1	20.8	21.1	X	0.0	0.1	1.97	4.80	0.000	0.000	Clam
		BH106 S	1.00	2.00		-0.1	-0.2	-0.3	3.9	3.1	78.0	62.0	0.7	0.5	0.7	3.5	X	0.0	0.5	Dry	2.11	0.012	0.002	
		BH106 D	5.00	15.00		-3.4	-2.2	-2.0	0.1	0.1	2.0	2.0	0.1	0.1	21.1	21.0	X	0.0	0.0	13.00	13.30	0.002	0.002	Clam
		BH03	9.7	14.70		1.4	-5.8	-0.3	0.7	1.1	14.0	22.0	0.1	0.1	21.4	20.9	X	0.0	0.1	7.25	7.70	0.002	0.000	Clam
		WS101	1.00	2.00		0.1	-0.1	-0.1	0.1	0.1	2.0	2.0	0.7	0.1	20.9	21.3	X	0.0	0.0	Dry	2.00	0.000	0.001	
		WS102	0.50	1.20		0.1	-0.2	-0.7	0.1	0.1	2.0	2.0	0.2	0.2	19.9	20.0	X	0.0	0.0	Dry	1.00	0.001	0.001	
		WS105	2.00	5.00		3.5	-0.2	-0.3	0.1	0.1	2.0	2.0	0.1	0.1	19.8	21.3	X	0.0	0.0	1.46	4.20	0.000	0.000	
17/04/2023	AM	BH108	5.00	7.00		0.1	-0.3	-0.3	0.3	0.1	6.0	2.0	0.1	0.1	20.1	21.7	X	0.0	0.0	Dry	6.60	0.001	0.000	
		Ambient			1026																			

Ground Gas Monitoring Results



Date	Time	Location	Response zone (m)		Pressures (mb)		Gas flows (l/hr)		CH ₄ (%v/v)		CH ₄ (%LEL)		CO ₂ (%v/v)		O ₂ (%v/v)		Other Gases (PPM)			Depth to Water (m)	Well Base (m)	Gas Screening Value (CH ₄) (l/hr)	Gas Screening Value (CO ₂) (l/hr)	Notes
					Atmospheric Pressure	Relative Well Pressure	Initial	Steady	Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	CO	H ₂ S	TVOC (PID)					
24/04/2023	AM	Ambient			1007																			
		BH102	10.00	20.00		0.4	-0.2	-0.2	0.1	0.1	2.0	2.0	0.2	0.1	20.2	21.3	X	0.0	0.0	14.45	17.10	0.000	0.000	
		BH103	1.00	5.00		-0.3	0.1	-0.1	0.1	0.1	2.0	2.0	1.2	0.2	19.0	21.0	X	0.0	0.0	2.00	4.76	0.000	0.001	Clam
		BH106 S	1.00	2.00		-0.2	0.1	0.1	6.4	3.1	128.0	62.0	1.0	0.9	0.7	0.9	X	0.0	0.0	2.05	2.12	0.006	0.001	
		BH106 D	5.00	15.00		-2.8	0.1	0.1	0.1	0.1	2.0	2.0	0.1	0.1	21.2	21.6	X	0.0	0.0	Dry	13.22	0.000	0.000	Clam
		BH03	9.70	14.70		0.2	-0.2	-0.2	0.6	0.3	12.0	6.0	0.1	0.1	21.1	21.3	X	0.0	0.0	7.20	7.80	0.001	0.000	Clam
		WS101	1.00	2.00		-0.2	0.1	0.1	0.1	0.1	2.0	2.0	0.9	0.1	20.2	21.0	X	0.0	0.0	Dry	2.00	0.000	0.001	
		WS102	0.50	1.20		-0.2	-0.3	-0.1	0.1	0.1	2.0	2.0	0.5	0.5	19.0	19.5	X	0.0	0.0	Dry	1.00	0.000	0.001	
		WS105	2.00	5.00		0.1	0.1	-0.1	0.1	0.1	2.0	2.0	0.1	0.1	21.2	21.5	X	0.0	0.0	1.30	4.20	0.000	0.000	Head works flooded
24/04/2023	AM	BH108	5.00	7.00		-0.2	-0.3	-0.3	0.1	0.1	2.0	2.0	0.1	0.1	19.2	20.6	X	0.0	0.0	1.97	6.57	0.000	0.000	
		Ambient			1009																			

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
04-04-23 11:50	0.1	0	20	0	0	0	1024	23.3	2.61	27	
04-04-23 12:50	1.7	0	19.9	0	0	0	1021	15.3	2.61	25	
04-04-23 13:50	2	0	18.8	0	0	0	1019	12.2	2.6	25	
04-04-23 14:50	2.1	0	18.7	0	0	0	1018	11.3	2.59	26	
04-04-23 15:50	2.2	0	18.7	0	0	0	1017	10.9	2.59	26	
04-04-23 16:50	1.9	0	18.8	0	0	0	1019	10.9	2.59	24	
04-04-23 17:50	2.1	0	18.7	0	0	0	1018	10.8	2.58	25	
04-04-23 18:50	2.1	0	18.7	0	0	0	1018	10.8	2.58	25	
04-04-23 19:50	2.2	0	18.7	0	0	0	1018	10.8	2.58	25	
04-04-23 20:50	2.2	0	18.7	0	0	0	1018	10.8	2.58	26	
04-04-23 21:50	2.1	0	18.7	0	0	0	1018	10.9	2.57	26	
04-04-23 22:50	2.2	0	18.7	0	0	0	1018	10.9	2.58	26	
04-04-23 23:50	2.2	0	18.6	0	0	0	1017	10.9	2.57	26	
05-04-23 0:50	2.3	0	18.6	0	0	0	1017	10.9	2.57	26	
05-04-23 1:50	2.3	0	18.6	0	0	0	1016	10.9	2.57	24	
05-04-23 2:50	2.2	0	18.6	0	0	0	1016	10.9	2.56	26	
05-04-23 3:50	2.3	0	18.6	0	0	0	1015	10.9	2.56	26	
05-04-23 4:50	2.3	0	18.6	0	0	0	1014	10.9	2.56	25	
05-04-23 5:50	2.3	0	18.6	0	0	0	1014	10.9	2.56	26	
05-04-23 6:50	2.4	0	18.5	0	0	0	1014	10.9	2.56	26	
05-04-23 7:50	2.4	0	18.5	0	0	0	1013	10.9	2.56	25	
05-04-23 8:50	2.4	0	18.5	0	0	0	1013	10.8	2.55	26	
05-04-23 9:50	2.3	0	18.5	0	0	0	1013	10.8	2.56	26	
05-04-23 10:50	2.4	0	18.5	0	0	0	1013	10.8	2.55	26	
05-04-23 11:50	2.2	0	18.5	0	0	0	1012	10.8	2.56	25	
05-04-23 12:50	2.4	0	18.5	0	0	0	1012	10.8	2.55	24	
05-04-23 13:50	2.5	0	18.5	0	0	0	1012	10.7	2.55	26	
05-04-23 14:50	2.5	0	18.5	0	0	0	1011	10.7	2.55	24	
05-04-23 15:50	2.4	0	18.5	0	0	0	1010	10.6	2.56	26	
05-04-23 16:50	2.4	0	18.5	0	0	0	1010	10.6	2.56	26	
05-04-23 17:50	2.4	0	18.4	0	0	0	1009	10.6	2.55	25	
05-04-23 18:50	2.4	0	18.4	0	0	0	1009	10.6	2.55	25	
05-04-23 19:50	2.4	0	18.4	0	0	0	1008	10.6	2.54	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
05-04-23 20:50	2.5	0	18.4	0	0	0	1008	10.6	2.55	26	
05-04-23 21:50	2.4	0	18.4	0	0	0	1008	10.6	2.54	26	
05-04-23 22:50	2.4	0	18.4	0	0	0	1007	10.6	2.55	24	
05-04-23 23:50	2.4	0	18.4	0	0	0	1006	10.6	2.55	24	
06-04-23 0:50	2.4	0	18.4	0	0	0	1006	10.6	2.55	25	
06-04-23 1:50	2.4	0	18.4	0	0	0	1005	10.6	2.54	25	
06-04-23 2:50	2.5	0	18.4	0	0	0	1005	10.6	2.54	26	
06-04-23 3:50	2.4	0	18.4	0	0	0	1004	10.5	2.54	26	
06-04-23 4:50	2.5	0	18.3	0	0	0	1003	10.5	2.54	25	
06-04-23 5:50	2.5	0	18.4	0	0	0	1003	10.5	2.54	25	
06-04-23 6:50	2.5	0	18.4	0	0	0	1003	10.5	2.54	25	
06-04-23 7:50	2.4	0	18.4	0	0	0	1005	10.4	2.54	26	
06-04-23 8:50	2.4	0	18.4	0	0	0	1005	10.4	2.54	26	
06-04-23 9:50	2.4	0	18.4	0	0	0	1005	10.4	2.54	24	
06-04-23 10:50	2.4	0	18.4	0	0	0	1006	10.4	2.53	26	
06-04-23 11:50	2.4	0	18.4	0	0	0	1006	10.4	2.54	26	
06-04-23 12:50	2.4	0	18.4	0	0	0	1007	10.4	2.54	25	
06-04-23 13:50	2.4	0	18.4	0	0	0	1007	10.4	2.54	25	
06-04-23 14:50	2.4	0	18.5	0	0	0	1007	10.4	2.54	26	
06-04-23 15:50	0	0	19.7	0	0	0	1008	10.4	2.53	26	
06-04-23 16:50	1.7	0	18.8	0	0	0	1008	10.6	2.53	25	
06-04-23 17:50	1.9	0	18.8	0	0	0	1009	10.4	2.53	24	
06-04-23 18:50	2	0	18.7	0	0	0	1010	10.4	2.53	25	
06-04-23 19:50	2	0	18.7	0	0	0	1011	10.4	2.53	26	
06-04-23 20:50	2	0	18.7	0	0	0	1012	10.4	2.53	26	
06-04-23 21:50	2.1	0	18.7	0	0	0	1012	10.4	2.54	26	
06-04-23 22:50	2.2	0	18.7	0	0	0	1012	10.4	2.52	25	
06-04-23 23:50	2	0	18.7	0	0	0	1013	10.4	2.53	25	
07-04-23 0:50	2.2	0	18.7	0	0	0	1014	10.4	2.53	26	
07-04-23 1:50	2	0	18.7	0	0	0	1014	10.3	2.53	26	
07-04-23 2:50	2.2	0	18.7	0	0	0	1014	10.3	2.53	24	
07-04-23 3:50	2.2	0	18.7	0	0	0	1014	10.3	2.52	26	
07-04-23 4:50	2.2	0	18.6	0	0	0	1014	10.3	2.52	25	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
07-04-23 5:50	2.1	0	18.6	0	0	0	1015	10.3	2.52	24	
07-04-23 6:50	2.2	0	18.6	0	0	0	1016	10.2	2.52	26	
07-04-23 7:50	2.2	0	18.6	0	0	0	1016	10.1	2.52	26	
07-04-23 8:50	2.2	0	18.6	0	0	0	1017	10.1	2.52	25	
07-04-23 9:50	2.3	0	18.6	0	0	0	1017	10.1	2.52	25	
07-04-23 10:50	2.3	0	18.6	0	0	0	1017	10	2.52	26	
07-04-23 11:50	2.1	0	18.6	0	0	0	1016	9.9	2.52	24	
07-04-23 12:50	2.3	0	18.6	0	0	0	1016	9.9	2.51	26	
07-04-23 13:50	2.3	0	18.6	0	0	0	1016	9.9	2.52	26	
07-04-23 14:50	2.3	0	18.6	0	0	0	1016	9.8	2.52	26	
07-04-23 15:50	2.3	0	18.6	0	0	0	1016	9.8	2.52	26	
07-04-23 16:50	2.3	0	18.6	0	0	0	1016	9.8	2.53	25	
07-04-23 17:50	2.3	0	18.6	0	0	0	1016	9.9	2.52	26	
07-04-23 18:50	2.3	0	18.6	0	0	0	1016	9.9	2.53	25	
07-04-23 19:50	2.4	0	18.6	0	0	0	1017	9.9	2.53	26	
07-04-23 20:50	2.4	0	18.6	0	0	0	1017	10	2.53	24	
07-04-23 21:50	2.2	0	18.6	0	0	0	1018	10.1	2.52	25	
07-04-23 22:50	2.3	0	18.6	0	0	0	1018	10.1	2.52	24	
07-04-23 23:50	2.4	0	18.6	0	0	0	1018	10.2	2.53	23	
08-04-23 0:50	2.3	0	18.6	0	0	0	1019	10.3	2.53	26	
08-04-23 1:50	2.3	0	18.6	0	0	0	1019	10.3	2.52	26	
08-04-23 2:50	2.3	0	18.6	0	0	0	1019	10.3	2.52	26	
08-04-23 3:50	2.4	0	18.6	0	0	0	1019	10.4	2.51	25	
08-04-23 4:50	2.3	0	18.6	0	0	0	1020	10.4	2.52	26	
08-04-23 5:50	2.3	0	18.5	0	0	0	1020	10.4	2.52	26	
08-04-23 6:50	2.4	0	18.5	0	0	0	1021	10.4	2.51	26	
08-04-23 7:50	2.3	0	18.5	0	0	0	1021	10.4	2.51	24	
08-04-23 8:50	2.2	0	18.5	0	0	0	1021	10.4	2.51	25	
08-04-23 9:50	2.4	0	18.5	0	0	0	1022	10.4	2.51	26	
08-04-23 10:50	2.3	0	18.5	0	0	0	1022	10.3	2.52	26	
08-04-23 11:50	2.3	0	18.5	0	0	0	1021	10.3	2.52	24	
08-04-23 12:50	2.3	0	18.5	0	0	0	1021	10.3	2.52	26	
08-04-23 13:50	2.4	0	18.5	0	0	0	1021	10.3	2.51	26	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
08-04-23 14:50	2.4	0	18.5	0	0	0	1021	10.3	2.52	25	
08-04-23 15:50	2.3	0	18.5	0	0	0	1020	10.3	2.52	25	
08-04-23 16:50	2.3	0	18.5	0	0	0	1020	10.3	2.52	24	
08-04-23 17:50	2.4	0	18.5	0	0	0	1019	10.3	2.52	25	
08-04-23 18:50	2.5	0	18.5	0	0	0	1019	10.4	2.53	26	
08-04-23 19:50	2.4	0	18.5	0	0	0	1019	10.4	2.51	25	
08-04-23 20:50	2.4	0	18.5	0	0	1	1020	10.6	2.52	25	
08-04-23 21:50	2.4	0	18.5	0	0	1	1020	10.6	2.53	24	
08-04-23 22:50	2.3	0	18.5	0	0	0	1020	10.7	2.52	24	
08-04-23 23:50	2.4	0	18.5	0	0	0	1020	10.8	2.52	24	
09-04-23 0:50	2.5	0	18.5	0	0	0	1020	10.8	2.51	24	
09-04-23 1:50	2.4	0	18.5	0	0	0	1019	10.9	2.52	24	
09-04-23 2:50	2.4	0	18.5	0	0	0	1019	10.9	2.52	26	
09-04-23 3:50	2.4	0	18.5	0	0	0	1018	11	2.49	24	
09-04-23 4:50	2.4	0	18.5	0	0	0	1018	11	2.52	26	
09-04-23 5:50	2.5	0	18.5	0	0	0	1017	11.1	2.52	25	
09-04-23 6:50	2.4	0	18.4	0	0	0	1017	11.1	2.53	26	
09-04-23 7:50	2.4	0	18.5	0	0	0	1017	11.1	2.52	24	
09-04-23 8:50	2.4	0	18.5	0	0	0	1017	11.1	2.52	26	
09-04-23 9:50	2.5	0	18.4	0	0	0	1017	11.1	2.51	26	
09-04-23 10:50	2.4	0	18.4	0	0	0	1016	11.1	2.52	25	
09-04-23 11:50	2.4	0	18.4	0	0	0	1015	11	2.51	24	
09-04-23 12:50	2.4	0	18.4	0	0	0	1013	11	2.51	26	
09-04-23 13:50	2.5	0	18.4	0	0	0	1013	11	2.52	26	
09-04-23 14:50	2.4	0	18.4	0	0	0	1012	11	2.51	25	
09-04-23 15:50	2.5	0	18.3	0	0	0	1011	11	2.52	25	
09-04-23 16:50	2.5	0	18.3	0	0	0	1010	11	2.53	25	
09-04-23 17:50	2.5	0	18.3	0	0	0	1010	11.1	2.52	26	
09-04-23 18:50	2.5	0	18.3	0	0	1	1009	11.1	2.51	24	
09-04-23 19:50	2.5	0	18.3	0	0	0	1008	11.1	2.52	23	
09-04-23 20:50	2.5	0	18.3	0	0	0	1008	11.1	2.52	24	
09-04-23 21:50	2.4	0	18.3	0	0	0	1007	11.2	2.55	25	
09-04-23 22:50	2.5	0	18.2	0	0	0	1006	11.3	2.51	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
09-04-23 23:50	2.5	0	18.3	0	0	0	1006	11.3	2.51	26	
10-04-23 0:50	2.4	0	18.2	0	0	0	1005	11.3	2.51	27	
10-04-23 1:50	2.5	0	18.1	0	0	1	1003	11.4	2.51	25	
10-04-23 2:50	2.5	0	18.1	0	0	1	1002	11.4	2.51	25	
10-04-23 3:50	2.5	0	18.1	0	0	0	1001	11.4	2.51	24	
10-04-23 4:50	2.5	0	18.1	0	0	0	1000	11.4	2.51	26	
10-04-23 5:50	2.4	0	18.2	0	0	0	1000	11.4	2.52	24	
10-04-23 6:50	2.6	0	18.3	0	0	0	999	11.4	2.51	25	
10-04-23 7:50	2.5	0	18.2	0	0	1	999	11.4	2.51	26	
10-04-23 8:50	2.6	0	18.2	0	0	0	998	11.4	2.51	26	
10-04-23 9:50	2.5	0	18.2	0	0	0	997	11.4	2.51	26	
10-04-23 10:50	2.6	0	18.2	0	0	0	996	11.4	2.52	25	
10-04-23 11:50	2.5	0	18.2	0	0	1	995	11.4	2.51	26	
10-04-23 12:50	2.5	0	18.2	0	0	1	994	11.4	2.51	25	
10-04-23 13:50	2.5	0	18.4	0	0	0	995	11.4	2.52	24	
10-04-23 14:50	2.5	0	18.4	0	0	0	995	11.4	2.51	26	
10-04-23 15:50	2.4	0	18.5	0	0	1	995	11.4	2.52	24	
10-04-23 16:50	2.4	0	18.5	0	0	0	995	11.4	2.51	25	
10-04-23 17:50	2.5	0	18.5	0	0	0	995	11.4	2.51	25	
10-04-23 18:50	2.4	0	18.5	0	0	0	996	11.4	2.5	25	
10-04-23 19:50	2.4	0	18.5	0	0	0	996	11.4	2.5	25	
10-04-23 20:50	2.4	0	18.5	0	0	0	997	11.3	2.51	24	
10-04-23 21:50	2.5	0	18.5	0	0	0	998	11.3	2.51	24	
10-04-23 22:50	2.4	0	18.6	0	0	1	998	11.3	2.51	24	
10-04-23 23:50	2.4	0	18.6	0	0	0	999	11.2	2.5	24	
11-04-23 0:50	2.4	0	18.6	0	0	0	999	11.2	2.5	26	
11-04-23 1:50	2.4	0	18.6	0	0	0	1000	11.1	2.52	26	
11-04-23 2:50	2.4	0	18.6	0	0	0	1000	11.1	2.5	26	
11-04-23 3:50	2.4	0	18.6	0	0	0	1000	11	2.5	25	
11-04-23 4:50	2.4	0	18.6	0	0	1	1001	11	2.5	26	
11-04-23 5:50	2.5	0	18.6	0	0	0	1001	10.9	2.5	26	
11-04-23 6:50	2.4	0	18.6	0	0	0	1002	10.9	2.5	26	
11-04-23 7:50	2.4	0	18.6	0	0	0	1002	10.8	2.5	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
11-04-23 8:50	2.5	0	18.5	0	0	1	1002	10.8	2.5	24	
11-04-23 9:50	2.4	0	18.5	0	0	0	1002	10.7	2.49	25	
11-04-23 10:50	2.5	0	18.5	0	0	0	1001	10.6	2.5	25	
11-04-23 11:50	2.5	0	18.5	0	0	0	1000	10.6	2.5	26	
11-04-23 12:50	2.5	0	18.4	0	0	0	998	10.5	2.5	25	
11-04-23 13:50	2.5	0	18.4	0	0	0	997	10.4	2.51	26	
11-04-23 14:50	2.5	0	18.4	0	0	0	996	10.4	2.5	26	
11-04-23 15:50	2.5	0	18.3	0	0	1	994	10.4	2.5	26	
11-04-23 16:50	2.5	0	18.2	0	0	0	991	10.4	2.5	26	
11-04-23 17:50	2.5	0	18.1	0	0	0	988	10.4	2.5	24	
11-04-23 18:50	2.5	0	18.1	0	0	1	984	10.4	2.51	25	
11-04-23 19:50	2.5	0	18.3	0	0	1	980	10.4	2.5	25	
11-04-23 20:50	2.6	0	18.7	0	0	0	979	10.3	2.5	26	
11-04-23 21:50	2.6	0	18.8	0	0	1	980	10.3	2.5	26	
11-04-23 22:50	2.4	0	18.8	0	0	0	981	10.3	2.51	24	
11-04-23 23:50	2.6	0	18.8	0	0	1	981	10.3	2.49	25	
12-04-23 0:50	2.4	0	18.8	0	0	0	981	10.3	2.5	23	
12-04-23 1:50	2.4	0	18.8	0	0	0	982	10.3	2.49	24	
12-04-23 2:50	2.4	0	18.8	0	0	1	982	10.3	2.5	26	
12-04-23 3:50	2.4	0	18.8	0	0	1	982	10.3	2.5	26	
12-04-23 4:50	2.5	0	18.8	0	0	0	981	10.3	2.5	25	
12-04-23 5:50	2.5	0	18.8	0	0	0	981	10.3	2.49	26	
12-04-23 6:50	2.6	0	18.8	0	0	0	980	10.2	2.5	23	
12-04-23 7:50	2.4	0	18.8	0	0	0	980	10.2	2.5	26	
12-04-23 8:44	2.6	0	18.8	0	0	0	979	10.1	2.49	25	
12-04-23 9:44	2.4	0	18.8	0	0	0	978	10.1	2.49	24	
12-04-23 9:59	1.6	0	19.3	0	0	0	978	9.9	2.59	26	
12-04-23 10:59	1.9	0	19.1	0	0	0	975	9.9	2.58	25	
12-04-23 11:59	2	0	19	0	0	0	974	9.9	2.62	26	
12-04-23 12:59	1.4	0	19.3	0	0	0	974	9.2	2.58	26	
12-04-23 13:59	1.5	0	19.2	0	0	0	974	9.6	2.58	25	
12-04-23 14:59	1.8	0	19.2	0	0	0	974	9.7	2.58	24	
12-04-23 15:59	1.7	0	19.1	0	0	0	973	9.4	2.57	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
12-04-23 16:59	1.9	0	19.1	0	0	0	973	9.2	2.57	25	
12-04-23 17:59	2	0	19.1	0	0	0	973	9.1	2.57	25	
12-04-23 18:59	1.9	0	19.1	0	0	0	973	8.7	2.57	26	
12-04-23 19:59	2.1	0	19	0	0	0	973	8.1	2.56	25	
12-04-23 20:59	2.1	0	18.9	0	0	0	974	8.1	2.57	24	
12-04-23 21:59	2.1	0	18.9	0	0	0	974	8.4	2.57	25	
12-04-23 22:59	2.2	0	18.9	0	0	0	974	8.7	2.57	25	
12-04-23 23:59	2.2	0	18.9	0	0	0	974	8.7	2.56	25	
13-04-23 0:59	2.2	0	18.8	0	0	0	975	8.6	2.56	25	
13-04-23 1:59	2.2	0	18.8	0	0	0	975	8.2	2.55	25	
13-04-23 2:59	2.2	0	18.8	0	0	0	975	7.9	2.56	26	
13-04-23 3:59	2.4	0	18.7	0	0	0	975	8	2.55	26	
13-04-23 4:59	2.4	0	18.7	0	0	0	976	8.1	2.55	24	
13-04-23 5:59	2.4	0	18.7	0	0	1	976	8.2	2.55	26	
13-04-23 6:59	2.4	0	18.7	0	0	0	976	8.3	2.55	25	
13-04-23 7:59	2.4	0	18.7	0	0	1	976	8.4	2.55	25	
13-04-23 8:59	2.5	0	18.7	0	0	0	977	8.6	2.54	27	
13-04-23 9:59	2.4	0	18.6	0	0	0	977	8.6	2.54	24	
13-04-23 10:59	2.5	0	18.6	0	0	1	977	8.7	2.55	24	
13-04-23 11:59	2.6	0	18.6	0	0	0	978	8.8	2.57	25	
13-04-23 12:59	2.5	0	18.6	0	0	1	978	8.8	2.54	26	
13-04-23 13:59	2.6	0	18.6	0	0	0	978	8.8	2.54	26	
13-04-23 14:59	2.5	0	18.6	0	0	1	979	8.8	2.54	26	
13-04-23 15:59	2.6	0	18.6	0	0	1	979	8.8	2.54	25	
13-04-23 16:59	2.7	0	18.5	0	0	1	979	8.8	2.54	25	
13-04-23 17:59	2.7	0	18.5	0	0	1	979	8.9	2.54	26	
13-04-23 18:59	2.7	0	18.5	0	0	1	979	8.9	2.53	26	
13-04-23 19:59	2.8	0	18.5	0	0	1	980	8.9	2.53	25	
13-04-23 20:59	2.7	0	18.5	0	0	1	980	8.9	2.54	26	
13-04-23 21:59	2.8	0	18.5	0	0	1	980	9	2.54	25	
13-04-23 22:59	2.8	0	18.5	0	0	1	980	9	2.54	26	
13-04-23 23:59	2.8	0	18.5	0	0	0	981	9	2.54	25	
14-04-23 0:59	2.8	0	18.4	0	0	1	981	9.1	2.53	26	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
14-04-23 1:59	2.7	0	18.4	0	0	1	981	9.1	2.53	26	
14-04-23 2:59	2.9	0	18.4	0	0	1	981	9.1	2.52	25	
14-04-23 3:59	2.8	0	18.5	0	0	0	982	9.1	2.52	27	
14-04-23 4:59	2.9	0	18.4	0	0	1	983	9.1	2.52	24	
14-04-23 5:59	2.9	0	18.4	0	0	1	985	9.1	2.53	25	
14-04-23 6:59	3	0	18.4	0	0	1	987	9.1	2.53	27	
14-04-23 7:59	2.9	0	18.3	0	0	1	988	9.1	2.52	26	
14-04-23 8:59	2.8	0	18.3	0	0	1	989	9.1	2.53	25	
14-04-23 9:59	2.9	0	18.3	0	0	1	990	9	2.52	26	
14-04-23 10:59	2.8	0	18.3	0	0	0	991	8.9	2.51	27	
14-04-23 11:59	3	0	18.2	0	0	1	992	8.9	2.52	27	
14-04-23 12:59	2.9	0	18.2	0	0	0	993	8.8	2.51	25	
14-04-23 13:59	3	0	18.2	0	0	1	994	8.7	2.52	25	
14-04-23 14:59	2.9	0	18.2	0	0	1	994	8.6	2.52	25	
14-04-23 15:59	2.8	0	18.2	0	0	1	995	8.6	2.51	25	
14-04-23 16:59	3	0	18.2	0	0	1	995	8.6	2.52	26	
14-04-23 17:59	3.1	0	18.2	0	0	0	995	8.5	2.54	25	
14-04-23 18:59	3	0	18.2	0	0	1	995	8.4	2.51	25	
14-04-23 19:59	3	0	18.1	0	0	1	995	8.5	2.51	25	
14-04-23 20:59	3.2	0	18.1	0	0	1	996	8.6	2.52	26	
14-04-23 21:59	3.1	0	18.1	0	0	1	996	8.7	2.51	27	
14-04-23 22:59	3.2	0	18.1	0	0	1	996	8.7	2.51	26	
14-04-23 23:59	3.1	0	18.1	0	0	1	996	8.8	2.51	25	
15-04-23 0:59	3.3	0	18.1	0	0	1	996	8.8	2.5	25	
15-04-23 1:59	3.1	0	18.1	0	0	1	997	8.8	2.52	27	
15-04-23 2:59	3.3	0	18.1	0	0	1	998	8.8	2.5	26	
15-04-23 3:59	3.3	0	18.1	0	0	1	1000	8.8	2.5	25	
15-04-23 4:59	3.1	0	18.1	0	0	1	1001	8.8	2.51	26	
15-04-23 5:59	3.1	0	18.1	0	0	1	1003	8.8	2.49	27	
15-04-23 6:59	3.2	0	18.2	0	0	1	1005	8.8	2.5	26	
15-04-23 7:59	3.1	0	18.2	0	0	1	1006	8.8	2.5	27	
15-04-23 8:59	3.2	0	18.2	0	0	0	1007	8.8	2.49	26	
15-04-23 9:59	3.2	0	18.2	0	0	1	1009	8.7	2.49	26	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
15-04-23 10:59	3.3	0	18.2	0	0	1	1010	8.7	2.5	26	
15-04-23 11:59	3.2	0	18.2	0	0	1	1011	8.6	2.5	25	
15-04-23 12:59	3.3	0	18.2	0	0	2	1012	8.6	2.49	25	
15-04-23 13:59	3.2	0	18.7	0	0	1	1013	8.6	2.5	27	
15-04-23 14:59	3.3	0	18.2	0	0	1	1014	8.6	2.49	27	
15-04-23 15:59	3.1	0	18.2	0	0	1	1014	8.6	2.49	25	
15-04-23 16:59	3.3	0	18.2	0	0	1	1015	8.6	2.49	27	
15-04-23 17:59	3.3	0	18.2	0	0	1	1016	8.6	2.5	26	
15-04-23 18:59	3.3	0	18.2	0	0	1	1016	8.7	2.49	27	
15-04-23 19:59	3.3	0	18.2	0	0	1	1016	8.7	2.49	27	
15-04-23 20:59	3.2	0	18.2	0	0	1	1017	8.8	2.49	26	
15-04-23 21:59	3.3	0	18.2	0	0	0	1017	8.8	2.49	25	
15-04-23 22:59	3.3	0	18.2	0	0	1	1018	8.8	2.49	26	
15-04-23 23:59	3.3	0	18.2	0	0	1	1018	8.9	2.49	27	
16-04-23 0:59	3.3	0	18.2	0	0	2	1018	8.9	2.49	25	
16-04-23 1:59	3.3	0	18.2	0	0	0	1019	8.9	2.49	28	
16-04-23 2:59	3.3	0	18.2	0	0	1	1019	9	2.49	27	
16-04-23 3:59	3.3	0	18.2	0	0	1	1019	9	2.48	27	
16-04-23 4:59	3.2	0	18.2	0	0	1	1019	9.1	2.49	25	
16-04-23 5:59	3.3	0	18.2	0	0	1	1019	9.1	2.49	25	
16-04-23 6:59	3.4	0	18.2	0	0	1	1019	9.1	2.49	27	
16-04-23 7:59	3.4	0	18.2	0	0	1	1019	9.1	2.49	26	
16-04-23 8:59	3.4	0	18.2	0	0	1	1020	9.1	2.48	25	
16-04-23 9:59	3.4	0	18.2	0	0	1	1020	9.1	2.48	27	
16-04-23 10:59	3.5	0	18.2	0	0	1	1020	9.2	2.48	25	
16-04-23 11:59	3.4	0	18.1	0	0	1	1021	9.2	2.48	27	
16-04-23 12:59	3.5	0	18.2	0	0	1	1021	9.2	2.48	26	
16-04-23 13:59	3.4	0	18.1	0	0	1	1021	9.2	2.48	27	
16-04-23 14:59	3.4	0	18.1	0	0	1	1021	9.2	2.49	27	
16-04-23 15:59	3.5	0	18.1	0	0	1	1021	9.3	2.48	27	
16-04-23 16:59	3.3	0	18.1	0	0	2	1021	9.3	2.48	27	
16-04-23 17:59	3.4	0	18.1	0	0	1	1021	9.3	2.52	26	
16-04-23 18:59	3.4	0	18.1	0	0	1	1021	9.3	2.48	26	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
16-04-23 19:59	3.5	0	18.1	0	0	1	1021	9.4	2.48	25	
16-04-23 20:59	3.5	0	18.1	0	0	1	1021	9.4	2.49	27	
16-04-23 21:59	3.5	0	18.1	0	0	1	1021	9.4	2.48	27	
16-04-23 22:59	3.6	0	18.1	0	0	1	1022	9.5	2.48	25	
16-04-23 23:59	3.5	0	18.1	0	0	1	1022	9.5	2.48	27	
17-04-23 0:59	3.5	0	18.1	0	0	1	1022	9.6	2.48	27	
17-04-23 1:59	3.4	0	18.1	0	0	1	1022	9.6	2.48	27	
17-04-23 2:59	3.5	0	18.1	0	0	1	1022	9.6	2.48	25	
17-04-23 3:59	3.6	0	18.1	0	0	1	1022	9.7	2.48	25	
17-04-23 4:59	3.6	0	18.1	0	0	1	1022	9.7	2.47	26	
17-04-23 5:59	3.4	0	18.1	0	0	1	1022	9.7	2.48	27	
17-04-23 6:59	3.7	0	18.1	0	0	1	1022	9.8	2.48	26	
17-04-23 7:59	3.6	0	18.1	0	0	1	1022	9.8	2.48	25	
17-04-23 8:59	3.6	0	18.1	0	0	1	1023	9.8	2.47	27	
17-04-23 9:59	3.6	0	18.1	0	0	1	1023	9.8	2.48	26	
17-04-23 10:59	3.5	0	18.1	0	0	1	1023	9.8	2.48	26	
17-04-23 11:59	3.7	0	18.1	0	0	1	1024	9.8	2.48	25	
17-04-23 12:59	3.6	0	18.1	0	0	1	1024	9.9	2.48	25	
17-04-23 13:59	3.6	0	18.1	0	0	1	1024	9.9	2.48	27	
17-04-23 14:57	2.3	0	18.6	0	0	1	1025	10.9	2.46	27	
17-04-23 15:57	2.5	0	18.6	0	0	0	1025	10.5	2.47	27	
17-04-23 16:57	2.6	0	18.6	0	0	0	1025	10.2	2.47	25	
17-04-23 17:57	2.5	0	18.6	0	0	1	1025	10.1	2.47	25	
17-04-23 18:57	2.6	0	18.6	0	0	1	1025	10.1	2.46	27	
17-04-23 19:57	2.7	0	18.6	0	0	0	1026	10.2	2.46	26	
17-04-23 20:57	2.6	0	18.6	0	0	0	1026	10.2	2.47	26	
17-04-23 21:57	2.6	0	18.6	0	0	0	1027	10.3	2.47	26	
17-04-23 22:57	2.5	0	18.6	0	0	0	1027	10.3	2.47	26	
17-04-23 23:57	2.7	0	18.6	0	0	0	1028	10.3	2.46	26	
18-04-23 0:57	2.5	0	18.6	0	0	0	1028	10.4	2.46	27	
18-04-23 1:57	2.6	0	18.6	0	0	0	1028	10.4	2.46	26	
18-04-23 2:57	2.7	0	18.6	0	0	0	1028	10.4	2.47	26	
18-04-23 3:57	2.6	0	18.6	0	0	0	1028	10.4	2.46	26	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
18-04-23 4:57	2.7	0	18.6	0	0	1	1028	10.4	2.46	26	
18-04-23 5:57	2.6	0	18.6	0	0	0	1028	10.4	2.46	25	
18-04-23 6:57	2.6	0	18.6	0	0	0	1029	10.4	2.47	25	
18-04-23 7:57	2.6	0	18.7	0	0	0	1029	10.4	2.46	24	
18-04-23 8:57	2.6	0	18.6	0	0	1	1029	10.4	2.47	24	
18-04-23 9:57	2.7	0	18.6	0	0	0	1028	10.4	2.46	26	
18-04-23 10:57	2.6	0	18.6	0	0	0	1028	10.4	2.46	25	
18-04-23 11:57	2.7	0	18.6	0	0	0	1028	10.3	2.46	25	
18-04-23 12:57	2.8	0	18.6	0	0	0	1027	10.3	2.46	26	
18-04-23 13:57	2.6	0	18.6	0	0	0	1027	10.3	2.46	26	
18-04-23 14:57	2.7	0	18.6	0	0	0	1027	10.3	2.47	26	
18-04-23 15:57	2.7	0	18.6	0	0	0	1026	10.4	2.47	25	
18-04-23 16:57	2.7	0	18.6	0	0	0	1026	10.4	2.47	26	
18-04-23 17:57	2.7	0	18.6	0	0	0	1026	10.4	2.47	26	
18-04-23 18:57	2.7	0	18.6	0	0	0	1026	10.6	2.46	24	
18-04-23 19:57	2.7	0	18.6	0	0	0	1026	10.6	2.47	26	
18-04-23 20:57	2.6	0	18.6	0	0	0	1027	10.7	2.47	26	
18-04-23 21:57	2.7	0	18.6	0	0	0	1027	10.8	2.47	26	
18-04-23 22:57	2.6	0	18.6	0	0	0	1027	10.8	2.47	25	
18-04-23 23:57	2.5	0	18.6	0	0	0	1027	10.9	2.48	25	
19-04-23 0:57	2.7	0	18.6	0	0	0	1027	11	2.47	24	
19-04-23 1:57	2.6	0	18.6	0	0	0	1027	11.1	2.47	26	
19-04-23 2:57	2.6	0	18.6	0	0	0	1026	11.1	2.46	26	
19-04-23 3:57	2.5	0	18.6	0	0	0	1025	11.1	2.46	25	
19-04-23 4:57	2.6	0	18.6	0	0	0	1026	11.1	2.47	27	
19-04-23 5:57	2.6	0	18.6	0	0	0	1025	11.1	2.46	26	
19-04-23 6:57	2.6	0	18.6	0	0	0	1025	11.1	2.46	25	
19-04-23 7:57	2.6	0	18.6	0	0	0	1025	11.1	2.46	25	
19-04-23 8:57	2.6	0	18.6	0	0	0	1025	11.1	2.47	25	
19-04-23 9:57	2.6	0	18.6	0	0	0	1026	11.1	2.46	25	
19-04-23 10:57	2.6	0	18.6	0	0	0	1026	11.1	2.45	26	
19-04-23 11:57	2.5	0	18.6	0	0	0	1025	11.1	2.46	26	
19-04-23 12:57	2.6	0	18.6	0	0	0	1025	11.1	2.46	25	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
19-04-23 13:57	2.6	0	18.6	0	0	0	1024	11.1	2.46	26	
19-04-23 14:57	2.6	0	18.6	0	0	0	1024	11.1	2.47	26	
19-04-23 15:57	2.5	0	18.6	0	0	0	1023	11.1	2.46	25	
19-04-23 16:57	2.7	0	18.6	0	0	0	1023	11.1	2.47	24	
19-04-23 17:57	2.5	0	18.6	0	0	0	1024	11.1	2.46	25	
19-04-23 18:57	2.6	0	18.6	0	0	0	1024	11.1	2.46	26	
19-04-23 19:57	2.5	0	18.6	0	0	0	1024	11.2	2.47	24	
19-04-23 20:57	2.4	0	18.6	0	0	0	1025	11.2	2.47	27	
19-04-23 21:57	2.6	0	18.6	0	0	0	1025	11.3	2.47	26	
19-04-23 22:57	2.5	0	18.6	0	0	0	1024	11.3	2.47	24	
19-04-23 23:57	2.6	0	18.6	0	0	0	1024	11.4	2.46	24	
20-04-23 0:57	2.6	0	18.6	0	0	0	1024	11.4	2.46	24	
20-04-23 1:57	2.7	0	18.6	0	0	0	1024	11.4	2.46	25	
20-04-23 2:57	2.6	0	18.6	0	0	0	1023	11.4	2.46	24	
20-04-23 3:57	2.5	0	18.6	0	0	0	1023	11.4	2.46	26	
20-04-23 4:57	2.6	0	18.6	0	0	0	1023	11.4	2.46	24	
20-04-23 5:57	2.6	0	18.6	0	0	0	1023	11.4	2.45	26	
20-04-23 6:57	2.5	0	18.6	0	0	0	1024	11.4	2.46	27	
20-04-23 7:57	2.6	0	18.6	0	0	0	1024	11.4	2.45	25	
20-04-23 8:57	2.6	0	18.6	0	0	0	1023	11.4	2.46	24	
20-04-23 9:57	2.6	0	18.6	0	0	0	1023	11.3	2.46	24	
20-04-23 10:57	2.5	0	18.6	0	0	0	1022	11.3	2.45	25	
20-04-23 11:57	2.6	0	18.6	0	0	0	1022	11.3	2.45	25	
20-04-23 12:57	2.6	0	18.6	0	0	0	1021	11.3	2.46	26	
20-04-23 13:57	2.5	0	18.6	0	0	0	1020	11.2	2.45	26	
20-04-23 14:57	2.6	0	18.5	0	0	0	1019	11.2	2.45	23	
20-04-23 15:57	2.7	0	18.5	0	0	0	1019	11.2	2.46	26	
20-04-23 16:57	2.5	0	18.5	0	0	0	1018	11.2	2.46	26	
20-04-23 17:57	2.5	0	18.5	0	0	0	1018	11.3	2.47	26	
20-04-23 18:57	2.4	0	18.5	0	0	0	1017	11.3	2.46	25	
20-04-23 19:57	2.6	0	18.5	0	0	0	1017	11.3	2.46	26	
20-04-23 20:57	2.5	0	18.5	0	0	0	1017	11.4	2.46	26	
20-04-23 21:57	2.5	0	18.5	0	0	0	1017	11.4	2.47	26	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
20-04-23 22:57	2.6	0	18.5	0	0	0	1017	11.5	2.46	26	
20-04-23 23:57	2.5	0	18.5	0	0	0	1017	11.6	2.47	24	
21-04-23 0:57	2.6	0	18.5	0	0	0	1016	11.6	2.46	26	
21-04-23 1:57	2.5	0	18.5	0	0	0	1015	11.7	2.46	24	
21-04-23 2:57	2.6	0	18.5	0	0	0	1015	11.7	2.46	25	
21-04-23 3:57	2.5	0	18.5	0	0	0	1014	11.8	2.46	24	
21-04-23 4:57	2.7	0	18.4	0	0	0	1013	11.8	2.45	26	
21-04-23 5:57	2.5	0	18.4	0	0	0	1012	11.8	2.45	25	
21-04-23 6:57	2.6	0	18.4	0	0	0	1011	11.8	2.46	25	
21-04-23 7:57	2.4	0	18.4	0	0	0	1010	11.8	2.45	24	
21-04-23 8:57	2.5	0	18.3	0	0	0	1009	11.8	2.46	25	
21-04-23 9:57	2.6	0	18.4	0	0	0	1008	11.8	2.45	25	
21-04-23 10:57	2.5	0	18.4	0	0	0	1008	11.8	2.44	26	
21-04-23 11:57	2.6	0	18.4	0	0	0	1008	11.8	2.45	24	
21-04-23 12:57	2.4	0	18.4	0	0	0	1007	11.7	2.45	26	
21-04-23 13:57	2.5	0	18.4	0	0	0	1007	11.7	2.45	26	
21-04-23 14:57	2.5	0	18.4	0	0	0	1007	11.7	2.45	25	
21-04-23 15:57	2.6	0	18.4	0	0	0	1007	11.7	2.46	26	
21-04-23 16:57	2.5	0	18.4	0	0	0	1006	11.7	2.45	26	
21-04-23 17:57	2.5	0	18.4	0	0	0	1006	11.7	2.45	26	
21-04-23 18:57	2.4	0	18.4	0	0	0	1005	11.7	2.45	25	
21-04-23 19:57	2.4	0	18.4	0	0	0	1005	11.7	2.45	26	
21-04-23 20:57	2.5	0	18.5	0	0	0	1005	11.8	2.45	26	
21-04-23 21:57	2.5	0	18.4	0	0	0	1004	11.8	2.45	26	
21-04-23 22:57	2.5	0	18.4	0	0	0	1004	11.8	2.45	26	
21-04-23 23:57	2.5	0	18.4	0	0	0	1003	11.8	2.45	25	
22-04-23 0:57	2.4	0	18.5	0	0	0	1002	11.8	2.46	26	
22-04-23 1:57	2.4	0	18.6	0	0	0	1001	11.8	2.45	24	
22-04-23 2:57	2.5	0	18.6	0	0	0	1000	11.8	2.45	24	
22-04-23 3:57	2.5	0	18.6	0	0	0	999	11.7	2.45	24	
22-04-23 4:57	2.5	0	18.7	0	0	0	998	11.7	2.44	24	
22-04-23 5:57	2.5	0	18.7	0	0	0	997	11.7	2.44	24	
22-04-23 6:57	2.4	0	18.8	0	0	0	997	11.6	2.44	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
22-04-23 7:57	2.4	0	18.8	0	0	0	997	11.6	2.45	24	
22-04-23 8:57	2.6	0	18.8	0	0	0	997	11.6	2.44	26	
22-04-23 9:57	2.5	0	18.9	0	0	0	996	11.6	2.44	23	
22-04-23 10:57	2.4	0	18.9	0	0	0	996	11.6	2.44	25	
22-04-23 11:57	2.4	0	18.9	0	0	0	996	11.5	2.44	26	
22-04-23 12:57	2.5	0	18.9	0	0	0	996	11.5	2.44	25	
22-04-23 13:57	2.4	0	18.9	0	0	0	995	11.4	2.44	26	
22-04-23 14:57	2.5	0	18.9	0	0	0	995	11.4	2.45	24	
22-04-23 15:57	2.4	0	18.9	0	0	0	995	11.4	2.44	26	
22-04-23 16:57	2.5	0	18.9	0	0	0	995	11.4	2.43	26	
22-04-23 17:57	2.5	0	18.9	0	0	0	995	11.4	2.44	24	
22-04-23 18:57	2.4	0	18.9	0	0	0	995	11.4	2.45	25	
22-04-23 19:57	2.5	0	18.9	0	0	0	995	11.4	2.44	25	
22-04-23 20:57	2.6	0	19	0	0	0	995	11.4	2.45	26	
22-04-23 21:57	2.5	0	19	0	0	0	995	11.5	2.44	26	
22-04-23 22:57	2.5	0	19	0	0	0	994	11.5	2.44	24	
22-04-23 23:57	2.4	0	19	0	0	0	994	11.5	2.44	26	
23-04-23 0:57	2.4	0	19	0	0	0	994	11.6	2.44	24	
23-04-23 1:57	2.6	0	19	0	0	0	993	11.6	2.45	24	
23-04-23 2:57	2.4	0	19	0	0	0	992	11.6	2.44	24	
23-04-23 3:57	2.5	0	19	0	0	0	992	11.6	2.44	26	
23-04-23 4:57	2.5	0	19	0	0	0	992	11.6	2.47	26	
23-04-23 5:57	2.4	0	19	0	0	0	992	11.6	2.44	24	
23-04-23 6:57	2.5	0	19	0	0	0	992	11.6	2.44	26	
23-04-23 7:57	2.4	0	19	0	0	0	992	11.6	2.44	24	
23-04-23 8:57	2.4	0	19	0	0	0	992	11.6	2.43	24	
23-04-23 9:57	2.5	0	19	0	0	0	992	11.6	2.44	24	
23-04-23 10:57	2.4	0	19	0	0	0	993	11.6	2.44	25	
23-04-23 11:57	2.4	0	19	0	0	0	993	11.6	2.44	24	
23-04-23 12:57	2.4	0	19	0	0	0	993	11.5	2.43	25	
23-04-23 13:57	2.4	0	19	0	0	0	994	11.5	2.44	25	
23-04-23 14:57	2.4	0	19	0	0	0	994	11.5	2.44	25	
23-04-23 15:57	2.4	0	19	0	0	0	994	11.5	2.43	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH03 (GEA)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
23-04-23 16:57	2.3	0	19	0	0	0	994	11.5	2.44	25	
23-04-23 17:57	2.3	0	19	0	0	0	995	11.5	2.43	24	
23-04-23 18:57	2.4	0	19	0	0	0	995	11.6	2.44	25	
23-04-23 19:57	2.4	0	19.1	0	0	0	996	11.6	2.44	26	
23-04-23 20:57	2.4	0	19.1	0	0	0	997	11.6	2.43	26	
23-04-23 21:57	2.3	0	19	0	0	0	998	11.6	2.44	24	
23-04-23 22:57	2.4	0	19	0	0	0	998	11.6	2.43	25	
23-04-23 23:57	2.3	0	19	0	0	0	999	11.6	2.43	26	
24-04-23 0:57	2.3	0	19	0	0	0	1000	11.6	2.44	24	
24-04-23 1:57	2.3	0	19	0	0	0	1000	11.6	2.43	26	
24-04-23 2:57	2.4	0	19	0	0	0	1001	11.5	2.43	25	
24-04-23 3:57	2.3	0	19	0	0	0	1001	11.5	2.43	26	
24-04-23 4:57	2.3	0	18.9	0	0	0	1002	11.5	2.42	26	
24-04-23 5:57	2.2	0	18.9	0	0	0	1002	11.4	2.42	26	
24-04-23 6:57	2.3	0	18.9	0	0	0	1003	11.4	2.43	26	
24-04-23 7:57	2.3	0	18.9	0	0	0	1003	11.4	2.42	24	
24-04-23 8:57	2.3	0	18.8	0	0	0	1003	11.3	2.43	26	
24-04-23 9:57	2.3	0	18.8	0	0	0	1004	11.3	2.43	26	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
04-04-23 13:05	0	0.1	20.8	1	0	0	1020	17.4	2.52	24	
04-04-23 14:05	0	0	20.9	1	0	0	1020	17	2.52	26	
04-04-23 15:05	0	0	21	1	0	0	1019	18.3	2.49	26	
04-04-23 16:05	0	0	21.1	1	0	0	1018	19.9	2.52	24	
04-04-23 17:05	0	0.1	21.2	1	0	0	1018	21.4	2.51	25	
04-04-23 18:05	0	0.1	21.3	1	0	0	1017	22.1	2.52	24	
04-04-23 19:05	0	0.1	21.4	2	0	0	1017	22.3	2.51	26	
04-04-23 20:05	0	0	21.5	1	0	0	1017	21.4	2.51	26	
04-04-23 21:05	0	0.1	21.5	1	0	0	1017	20.2	2.51	26	
04-04-23 22:05	0	0	21.5	1	0	0	1017	18.8	2.5	26	
04-04-23 23:05	0	0	21.4	1	0	0	1016	17.3	2.5	25	
05-04-23 0:05	0	0	21.4	1	0	0	1016	15.9	2.51	26	
05-04-23 1:05	0	0	21.3	1	0	0	1015	14.6	2.5	24	
05-04-23 2:05	0	0	21.2	1	0	0	1015	13.5	2.48	25	
05-04-23 3:05	0	0	21.2	1	0	0	1014	12.5	2.49	24	
05-04-23 4:05	0	0	21.1	1	0	0	1014	11.6	2.49	26	
05-04-23 5:05	0	0	21.1	1	0	0	1013	10.8	2.51	24	
05-04-23 6:05	0	0	21	1	0	0	1013	10.3	2.48	25	
05-04-23 7:05	0	0	21	1	0	0	1012	9.8	2.44	25	
05-04-23 8:05	0	0	21	1	0	0	1012	9.4	2.49	24	
05-04-23 9:05	0	0	20.9	1	0	0	1012	9.1	2.47	25	
05-04-23 10:05	0	0	20.9	1	0	0	1012	8.9	2.48	25	
05-04-23 11:05	0	0	20.9	1	0	0	1011	8.9	2.47	25	
05-04-23 12:05	0	0	20.9	1	0	0	1011	9.1	2.47	25	
05-04-23 13:05	0	0	21	1	0	0	1011	9.6	2.48	24	
05-04-23 14:05	0	0	21.1	1	0	0	1011	9.7	2.45	24	
05-04-23 15:05	0	0	21.1	1	0	0	1010	9.6	2.47	25	
05-04-23 16:05	0	0	21	1	0	0	1009	9.4	2.46	25	
05-04-23 17:05	0	0	21	1	0	2	1009	9.3	2.48	24	
05-04-23 18:05	0	0	21	1	0	0	1008	9.1	2.46	24	
05-04-23 19:05	0	0	21	1	0	0	1008	9.1	2.47	24	
05-04-23 20:05	0	0	21	1	0	0	1008	9	2.47	25	
05-04-23 21:05	0	0	21	1	0	0	1008	8.9	2.45	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
05-04-23 22:05	0	0	21	1	0	0	1007	8.9	2.46	24	
05-04-23 23:05	0	0	20.9	1	0	0	1006	8.9	2.47	23	
06-04-23 0:05	0	0	20.9	1	0	2	1006	8.9	2.46	24	
06-04-23 1:05	0	0	20.8	2	0	10	1005	8.9	2.46	24	
06-04-23 2:05	0	0	20.7	2	0	14	1005	8.8	2.46	24	
06-04-23 3:05	0	0	20.7	2	0	14	1004	8.8	2.46	25	
06-04-23 4:05	0	0.1	20.6	2	0	10	1003	8.8	2.47	24	
06-04-23 5:05	0	0.1	20.5	2	0	1	1003	8.8	2.45	25	
06-04-23 6:05	0	0.3	20.4	2	0	0	1003	8.8	2.45	25	
06-04-23 7:05	0	0.4	20.3	2	0	0	1003	8.8	2.44	24	
06-04-23 8:05	0	0.4	20.2	2	0	0	1004	8.8	2.46	24	
06-04-23 9:05	0	0.4	20.2	2	0	0	1005	8.8	2.47	26	
06-04-23 10:05	0	0.6	20.1	2	0	0	1005	8.8	2.45	24	
06-04-23 11:05	0	0.7	20.1	1	0	0	1005	8.8	2.45	24	
06-04-23 12:05	0	0.7	20.1	1	0	0	1006	8.8	2.45	24	
06-04-23 13:05	0	0.7	20.2	2	0	0	1006	8.8	2.47	25	
06-04-23 14:05	0	0.9	20.1	2	0	0	1007	8.8	2.45	24	
06-04-23 15:05	0	0.3	20.5	1	0	0	1007	9.5	2.44	25	
06-04-23 16:05	0	0.4	20.7	1	0	0	1007	9.2	2.47	24	
06-04-23 17:05	0	0.6	20.6	2	0	0	1008	8.9	2.46	25	
06-04-23 18:05	0	0.4	20.7	2	0	0	1009	8.8	2.44	26	
06-04-23 19:05	0	0.4	20.7	2	0	0	1009	8.8	2.46	24	
06-04-23 20:05	0	0.4	20.8	2	0	0	1010	8.8	2.45	24	
06-04-23 21:05	0	0.4	20.7	2	0	0	1011	8.8	2.45	25	
06-04-23 22:05	0	0.4	20.7	2	0	0	1011	8.8	2.47	25	
06-04-23 23:05	0	0.4	20.6	2	0	0	1011	8.8	2.43	25	
07-04-23 0:05	0	0.6	20.6	3	0	0	1012	8.8	2.45	24	
07-04-23 1:05	0	0.6	20.6	3	0	0	1013	8.9	2.47	24	
07-04-23 2:05	0	0.6	20.4	3	0	0	1013	8.9	2.44	24	
07-04-23 3:05	0	0.7	20.4	3	0	0	1013	8.9	2.46	25	
07-04-23 4:05	0	0.7	20.4	3	0	0	1013	8.9	2.44	24	
07-04-23 5:05	0	0.7	20.3	3	0	0	1013	8.9	2.44	24	
07-04-23 6:05	0	0.9	20.3	3	0	0	1014	8.9	2.46	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD									
Job No:	C5313									
Site:	BRWRY, MANCHESTER									
Location:	BH103 (BSL)									
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)
07-04-23 7:05	0	0.7	20.4	3	0	0	1014	8.9	2.44	24
07-04-23 8:05	0	0.7	20.3	3	0	0	1015	8.9	2.44	25
07-04-23 9:05	0	0.7	20.3	3	0	0	1015	8.8	2.44	25
07-04-23 10:05	0	0.6	20.5	3	0	0	1015	8.8	2.43	25
07-04-23 11:05	0	0.1	20.8	3	0	0	1015	8.8	2.46	25
07-04-23 12:05	0	0.4	20.4	3	0	0	1015	8.8	2.44	24
07-04-23 13:05	0	0.6	20.4	3	0	0	1015	8.8	2.45	24
07-04-23 14:05	0	0.4	20.5	3	0	0	1015	8.8	2.44	25
07-04-23 15:05	0	0.4	20.5	3	0	0	1014	8.7	2.45	25
07-04-23 16:05	0	0.4	20.5	3	0	0	1014	8.7	2.45	25
07-04-23 17:05	0	0.4	20.4	3	0	0	1014	8.7	2.44	25
07-04-23 18:05	0	0.1	20.8	3	0	0	1014	8.7	2.44	24
07-04-23 19:05	0	0.4	20.5	3	0	0	1015	8.7	2.45	24
07-04-23 20:05	0	0.3	20.6	3	0	0	1015	8.7	2.46	25
07-04-23 21:05	0	0.3	20.7	3	0	0	1016	8.7	2.46	24
07-04-23 22:05	0	0.1	20.7	3	0	0	1016	8.7	2.44	23
07-04-23 23:05	0	0	21.1	2	0	0	1017	8.8	2.46	26
08-04-23 0:05	0	0	21.1	2	0	0	1017	8.8	2.44	24
08-04-23 1:05	0	0	21.1	2	0	0	1017	8.8	2.43	25
08-04-23 2:05	0	0.1	20.8	2	0	0	1017	8.8	2.45	24
08-04-23 3:05	0	0.1	20.8	2	0	0	1017	8.8	2.45	24
08-04-23 4:05	0	0.6	20.4	2	0	0	1018	8.9	2.44	25
08-04-23 5:05	0	0.7	20.3	2	0	0	1018	8.9	2.43	25
08-04-23 6:05	0	0.7	20.2	2	0	0	1018	8.9	2.45	23
08-04-23 7:05	0	0.9	20.2	2	0	0	1019	8.9	2.43	25
08-04-23 8:05	0	0.1	20.7	2	0	0	1019	8.9	2.44	25
08-04-23 9:05	0	0	21.1	2	0	0	1020	8.9	2.45	25
08-04-23 10:05	0	0	21.1	2	0	0	1020	8.9	2.45	25
08-04-23 11:05	0	0	21.1	2	0	0	1020	8.9	2.42	25
08-04-23 12:05	0	0	21.1	2	0	0	1019	8.8	2.45	24
08-04-23 13:05	0	0.3	20.6	2	0	0	1019	8.8	2.45	24
08-04-23 14:05	0	0	21.1	2	0	0	1019	8.8	2.43	25
08-04-23 15:05	0	0	21.1	2	0	0	1019	8.8	2.45	26

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
08-04-23 16:05	0	0	21.1	2	0	0	1018	8.8	2.44	24	
08-04-23 17:05	0	0	21.1	2	0	0	1018	8.8	2.45	25	
08-04-23 18:05	0	0	21.1	2	0	0	1018	8.8	2.43	25	
08-04-23 19:05	0	0	21.1	2	0	0	1018	8.8	2.45	24	
08-04-23 20:05	0	0	21.1	2	0	0	1018	8.8	2.43	24	
08-04-23 21:05	0	0	21.1	2	0	0	1018	8.8	2.43	23	
08-04-23 22:05	0	0	21.1	2	0	0	1018	8.8	2.43	25	
08-04-23 23:05	0	0	21.1	2	0	0	1018	8.9	2.46	24	
09-04-23 0:05	0	0	21.1	2	0	0	1018	8.9	2.45	24	
09-04-23 1:05	0	0	21.1	2	0	0	1018	8.9	2.45	24	
09-04-23 2:05	0	0	21.1	2	0	0	1017	9	2.43	23	
09-04-23 3:05	0	0	21.1	2	0	0	1017	9	2.44	25	
09-04-23 4:05	0	0	21.1	2	0	0	1017	9.1	2.42	24	
09-04-23 5:05	0	0	21.1	2	0	0	1016	9.1	2.43	24	
09-04-23 6:05	0	0	21.1	2	0	0	1016	9.1	2.42	26	
09-04-23 7:05	0	0	21.1	2	0	0	1015	9.1	2.43	23	
09-04-23 8:05	0	0	21.1	2	0	0	1015	9.1	2.45	24	
09-04-23 9:05	0	0	21.2	2	0	0	1015	9.1	2.43	23	
09-04-23 10:05	0	0	21.1	2	0	0	1015	9.1	2.44	24	
09-04-23 11:05	0	0	21.1	2	0	0	1014	9.1	2.43	25	
09-04-23 12:05	0	0	21.1	2	0	0	1013	9.1	2.42	24	
09-04-23 13:05	0	0	21.1	1	0	0	1012	9.1	2.42	25	
09-04-23 14:05	0	0	21.1	2	0	0	1012	9	2.43	24	
09-04-23 15:05	0	0	21.1	1	0	0	1011	9	2.41	25	
09-04-23 16:05	0	0	21.1	2	0	0	1010	9	2.41	25	
09-04-23 17:05	0	0	21.1	1	0	0	1010	9	2.42	26	
09-04-23 18:05	0	0	21.1	1	0	0	1009	9	2.47	26	
09-04-23 19:05	0	0	21.1	2	0	0	1008	9	2.43	25	
09-04-23 20:05	0	0	21.1	1	0	0	1008	9	2.43	26	
09-04-23 21:05	0	0	21.1	2	0	0	1007	9.1	2.41	25	
09-04-23 22:05	0	0	21.1	1	0	0	1006	9.1	2.44	24	
09-04-23 23:05	0	0	21.1	2	0	0	1005	9.1	2.44	24	
10-04-23 0:05	0	0	21.1	2	0	0	1005	9.1	2.45	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
10-04-23 1:05	0	0	21.1	1	0	0	1003	9.1	2.44	23	
10-04-23 2:05	0	0	21.1	1	0	0	1002	9.2	2.42	23	
10-04-23 3:05	0	0	21.1	2	0	0	1002	9.2	2.42	24	
10-04-23 4:05	0	0	21.1	1	0	0	1001	9.2	2.42	25	
10-04-23 5:05	0	0	21	2	0	0	1000	9.3	2.44	25	
10-04-23 6:05	0	0	21	1	0	0	999	9.2	2.41	24	
10-04-23 7:05	0	0	21.1	1	0	0	999	9.2	2.44	24	
10-04-23 8:05	0	0	20.8	1	0	0	999	9.2	2.42	26	
10-04-23 9:05	0	0	20.9	2	0	0	998	9.2	2.41	24	
10-04-23 10:05	0	0	20.9	1	0	0	997	9.2	2.43	24	
10-04-23 11:05	0	0.1	20.7	1	0	0	996	9.2	2.42	25	
10-04-23 12:05	0	0.1	20.6	2	0	0	995	9.2	2.41	24	
10-04-23 13:05	0	0.1	20.6	2	0	0	994	9.2	2.42	25	
10-04-23 14:05	0	0.4	20.5	1	0	0	995	9.2	2.42	23	
10-04-23 15:05	0	0.3	20.6	1	0	0	995	9.1	2.43	25	
10-04-23 16:05	0	0.4	20.6	1	0	0	995	9.1	2.42	23	
10-04-23 17:05	0	0.4	20.7	1	0	0	995	9.1	2.43	24	
10-04-23 18:05	0	0.3	20.8	1	0	0	996	9.1	2.43	24	
10-04-23 19:05	0	0.4	20.7	1	0	0	996	9.1	2.43	25	
10-04-23 20:05	0	0.4	20.8	1	0	0	997	9.1	2.44	25	
10-04-23 21:05	0	0.4	20.8	1	0	0	997	9.1	2.43	23	
10-04-23 22:05	0	0.4	20.8	1	0	0	998	9.1	2.42	24	
10-04-23 23:05	0	0.4	20.8	1	0	0	999	9.1	2.42	25	
11-04-23 0:05	0	0.4	20.8	1	0	0	999	9.1	2.41	25	
11-04-23 1:05	0	0.4	20.8	1	0	0	999	9.1	2.42	23	
11-04-23 2:05	0	0.4	20.7	1	0	0	1000	9.1	2.42	25	
11-04-23 3:05	0	0.4	20.8	1	0	0	1000	9.1	2.42	25	
11-04-23 4:05	0	0.4	20.9	1	0	0	1000	9.1	2.41	23	
11-04-23 5:05	0	0.4	20.8	1	0	0	1000	9.2	2.4	24	
11-04-23 6:05	0	0.4	20.8	1	0	0	1001	9.1	2.42	24	
11-04-23 7:05	0	0.4	20.8	1	0	0	1001	9.2	2.39	23	
11-04-23 8:05	0	0.4	20.8	1	0	0	1002	9.2	2.41	24	
11-04-23 9:05	0	0.3	20.9	1	0	0	1002	9.2	2.41	26	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
11-04-23 10:05	0	0.3	20.9	1	0	0	1001	9.2	2.4	24	
11-04-23 11:05	0	0.4	20.8	1	0	0	1001	9.1	2.4	24	
11-04-23 12:05	0	0	21.1	1	0	0	1000	9.1	2.42	24	
11-04-23 13:05	0	0	21.1	1	0	0	998	9.1	2.4	23	
11-04-23 14:05	0	0	21.1	1	0	0	997	9.1	2.42	24	
11-04-23 15:05	0	0	21.1	1	0	0	996	9.1	2.4	25	
11-04-23 16:05	0	0	21.1	1	0	0	993	9.1	2.41	23	
11-04-23 17:05	0	0	21.1	1	0	0	991	9.1	2.41	25	
11-04-23 18:05	0	0	21	1	0	0	988	9.1	2.39	25	
11-04-23 19:05	0	0	21	1	0	0	984	9.1	2.39	24	
11-04-23 20:05	0	0	21	1	0	0	981	9.1	2.4	23	
11-04-23 21:05	0	0	21.1	1	0	0	980	9.1	2.42	24	
11-04-23 22:05	0	0.1	20.9	1	0	0	982	9.1	2.41	25	
11-04-23 23:05	0	0.1	20.8	1	0	0	982	9.1	2.42	23	
12-04-23 0:05	0	0.1	20.9	1	0	0	983	9.1	2.41	25	
12-04-23 1:05	0	0.3	20.8	1	0	0	983	9.1	2.42	24	
12-04-23 2:05	0	0.1	20.8	1	0	0	984	9.1	2.42	24	
12-04-23 3:05	0	0	21	1	0	0	983	9.1	2.42	24	
12-04-23 4:05	0	0.1	20.9	1	0	0	983	9.1	2.41	23	
12-04-23 5:05	0	0	21.1	1	0	0	983	9.1	2.41	25	
12-04-23 6:05	0	0	21.1	1	0	0	982	9.1	2.41	24	
12-04-23 7:05	0	0	21.1	1	0	0	982	9.1	2.4	24	
12-04-23 8:05	0	0	21.1	1	0	0	981	9	2.39	24	
12-04-23 9:05	0	0	21.1	1	0	0	980	9	2.38	24	
12-04-23 10:05	0	0	21.1	1	0	0	979	8.9	2.39	25	
12-04-23 11:05	0	0	21	1	0	0	977	8.9	2.39	24	
12-04-23 12:05	0	0	21	1	0	0	975	8.4	2.38	25	
12-04-23 13:05	0	0	21	1	0	0	974	8.7	2.37	25	
12-04-23 14:05	0	0	21	1	0	0	973	8.8	2.4	24	
12-04-23 15:05	0	0	21	1	0	0	972	8.8	2.39	23	
12-04-23 16:05	0	0	20.9	1	0	0	972	8.7	2.39	24	
12-04-23 17:05	0	0.3	20.7	1	0	0	974	8.8	2.41	25	
12-04-23 18:05	0	0.3	20.7	1	0	0	974	8.8	2.38	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
12-04-23 19:05	0	0.3	20.8	1	0	0	975	8.8	2.39	25	
12-04-23 20:05	0	0.3	20.8	1	0	0	977	8.8	2.39	25	
12-04-23 21:05	0	0.3	20.8	1	0	0	979	8.8	2.4	23	
12-04-23 22:05	0	0.3	20.8	1	0	0	980	8.8	2.4	23	
12-04-23 23:05	0	0.3	20.9	1	0	0	981	8.8	2.38	23	
13-04-23 0:05	0	0.1	20.9	1	0	0	982	8.8	2.39	25	
13-04-23 1:05	0	0.1	20.9	1	0	0	983	8.7	2.4	24	
13-04-23 2:05	0	0.3	20.9	1	0	0	984	8.7	2.39	25	
13-04-23 3:05	0	0.3	20.9	1	0	0	984	8.7	2.38	25	
13-04-23 4:05	0	0.1	21	1	0	0	985	8.7	2.38	25	
13-04-23 5:05	0	0.3	20.9	1	0	0	986	8.7	2.38	24	
13-04-23 6:05	0	0.3	20.9	1	0	0	986	8.7	2.4	24	
13-04-23 7:05	0	0.3	20.9	1	0	0	987	8.7	2.38	24	
13-04-23 8:05	0	0.3	20.9	1	0	0	987	8.7	2.38	23	
13-04-23 9:05	0	0.3	20.9	1	0	0	988	8.7	2.38	25	
13-04-23 10:05	0	0.3	20.9	1	0	0	989	8.7	2.38	24	
13-04-23 11:05	0	0.3	20.9	1	0	0	990	8.7	2.39	25	
13-04-23 12:05	0	0.3	20.9	1	0	0	990	8.7	2.39	23	
13-04-23 13:05	0	0.3	21	1	0	0	991	8.7	2.39	25	
13-04-23 14:05	0	0.3	20.9	1	0	0	991	8.7	2.39	25	
13-04-23 15:05	0	0.3	21	1	0	0	992	8.7	2.37	25	
13-04-23 16:05	0	0.1	21	1	0	0	992	8.7	2.38	24	
13-04-23 17:05	0	0.3	21	1	0	0	993	8.6	2.22	26	
13-04-23 18:05	0	0.1	21	1	0	0	993	8.6	2.39	25	
13-04-23 19:05	0	0.1	21	1	0	0	994	8.6	2.35	24	
13-04-23 20:05	0	0.3	21	1	0	0	994	8.6	2.39	24	
13-04-23 21:05	0	0.1	21	1	0	0	995	8.5	2.39	24	
13-04-23 22:05	0	0.1	20.9	1	0	0	995	8.4	2.36	25	
13-04-23 23:05	0	0	21	1	0	0	995	8.4	2.38	26	
14-04-23 0:05	0	0	21	1	0	0	995	8.4	2.36	25	
14-04-23 1:05	0	0	21	1	0	0	995	8.4	2.37	25	
14-04-23 2:05	0	0	21	1	0	0	995	8.4	2.37	25	
14-04-23 3:05	0	0	20.9	1	0	0	995	8.4	2.37	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
14-04-23 4:05	0	0	21	1	0	0	995	8.4	2.38	24	
14-04-23 5:05	0	0.4	20.8	1	0	0	995	8.4	2.36	26	
14-04-23 6:05	0	0	21	1	0	0	994	8.4	2.39	25	
14-04-23 7:05	0	0	21	1	0	0	994	8.4	2.37	23	
14-04-23 8:05	0	0	21	1	0	0	994	8.3	2.36	25	
14-04-23 9:05	0	0	21	1	0	0	995	8.3	2.37	26	
14-04-23 10:05	0	0	21	1	0	0	995	8.3	2.38	24	
14-04-23 11:05	0	0	20.9	1	0	0	995	8.3	2.36	25	
14-04-23 12:05	0	0	21	1	0	0	996	8.3	2.37	26	
14-04-23 13:05	0	0	20.9	1	0	0	996	8.1	2.37	25	
14-04-23 14:05	0	0	20.9	1	0	0	997	8.1	2.37	24	
14-04-23 15:05	0	0	20.8	2	0	0	997	8.1	2.37	24	
14-04-23 16:05	0	0.1	20.8	2	0	0	998	8	2.38	26	
14-04-23 17:05	0	0.3	20.7	1	0	0	998	8	2.37	26	
14-04-23 18:05	0	0.3	20.6	2	0	0	999	7.9	2.38	26	
14-04-23 19:05	0	0.3	20.6	2	0	0	999	7.9	2.37	24	
14-04-23 20:05	0	0.1	20.6	2	0	0	1000	7.9	2.37	24	
14-04-23 21:05	0	0.3	20.6	2	0	0	1001	8	2.36	25	
14-04-23 22:05	0	0.3	20.5	2	0	0	1002	8	2.38	24	
14-04-23 23:05	0	0.3	20.5	2	0	0	1003	8	2.38	24	
15-04-23 0:05	0	0.4	20.5	2	0	0	1004	8	2.38	25	
15-04-23 1:05	0	0.4	20.4	2	0	0	1005	8	2.34	25	
15-04-23 2:05	0	0.4	20.4	2	0	0	1005	8	2.35	25	
15-04-23 3:05	0	0.4	20.4	2	0	0	1006	8	2.36	25	
15-04-23 4:05	0	0.6	20.3	2	0	0	1007	8	2.38	25	
15-04-23 5:05	0	0.6	20.3	2	0	0	1008	8	2.37	25	
15-04-23 6:05	0	0.6	20.3	2	0	0	1009	8	2.36	27	
15-04-23 7:05	0	0.6	20.3	2	0	0	1010	8	2.36	25	
15-04-23 8:05	0	0.7	20.2	2	0	0	1011	8	2.36	25	
15-04-23 9:05	0	0.6	20.2	2	0	0	1012	8	2.32	26	
15-04-23 10:05	0	0.4	20.3	2	0	0	1013	8	2.35	27	
15-04-23 11:05	0	0.1	20.6	2	0	0	1013	7.9	2.37	26	
15-04-23 12:05	0	0	20.9	2	0	0	1014	7.9	2.37	25	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
15-04-23 13:05	0	0.1	20.5	2	0	0	1014	7.9	2.36	26	
15-04-23 14:05	0	0.3	20.4	2	0	0	1015	7.9	2.35	26	
15-04-23 15:05	0	0.1	20.4	2	0	0	1015	7.9	2.37	26	
15-04-23 16:05	0	0.1	20.7	2	0	0	1015	7.9	2.37	25	
15-04-23 17:05	0	0	20.9	2	0	0	1015	7.9	2.34	24	
15-04-23 18:05	0	0	21	2	0	0	1016	7.8	2.37	25	
15-04-23 19:05	0	0	21	2	0	0	1016	7.8	2.34	26	
15-04-23 20:05	0	0	21	2	0	0	1017	7.9	2.36	25	
15-04-23 21:05	0	0	21	2	0	0	1017	7.9	2.35	27	
15-04-23 22:05	0	0	21	2	0	0	1017	7.9	2.35	26	
15-04-23 23:05	0	0	21	2	0	0	1018	7.9	2.37	26	
16-04-23 0:05	0	0	21	2	0	0	1018	7.9	2.36	25	
16-04-23 1:05	0	0	21	2	0	0	1018	8	2.36	25	
16-04-23 2:05	0	0	21	2	0	0	1018	8.1	2.36	27	
16-04-23 3:05	0	0	21	2	0	0	1018	8.1	2.34	27	
16-04-23 4:05	0	0	20.9	2	0	0	1018	8.1	2.35	27	
16-04-23 5:05	0	0	20.7	2	0	0	1018	8.1	2.37	27	
16-04-23 6:05	0	0	20.7	2	0	0	1018	8.2	2.34	27	
16-04-23 7:05	0	0	20.6	2	0	0	1018	8.2	2.37	25	
16-04-23 8:05	0	0	20.6	2	0	0	1018	8.2	2.37	25	
16-04-23 9:05	0	0	20.5	2	0	0	1019	8.3	2.34	27	
16-04-23 10:05	0	0.1	20.5	2	0	0	1019	8.3	2.37	27	
16-04-23 11:05	0	0	20.6	2	0	0	1019	8.3	2.36	25	
16-04-23 12:05	0	0	20.7	2	0	0	1019	8.3	2.35	25	
16-04-23 13:05	0	0	20.8	2	0	0	1019	8.3	2.34	26	
16-04-23 14:05	0	0	21	2	0	0	1019	8.3	2.35	25	
16-04-23 15:05	0	0	20.7	2	0	0	1019	8.3	2.36	25	
16-04-23 16:05	0	0	21	2	0	0	1019	8.3	2.35	26	
16-04-23 17:05	0	0	21	2	0	0	1019	8.3	2.34	26	
16-04-23 18:05	0	0	21	2	0	0	1019	8.3	2.32	25	
16-04-23 19:05	0	0	21	2	0	0	1019	8.3	2.33	26	
16-04-23 20:05	0	0	21	2	0	0	1019	8.4	2.31	26	
16-04-23 21:05	0	0	21	2	0	0	1020	8.4	2.23	27	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
16-04-23 22:05	0	0	21	2	0	0	1020	8.4	2.34	27	
16-04-23 23:05	0	0	21	2	0	0	1020	8.4	2.21	25	
17-04-23 0:05	0	0	21	2	0	0	1020	8.4	2.33	25	
17-04-23 1:05	0	0	21	2	0	0	1020	8.4	2.33	25	
17-04-23 2:05	0	0	21	2	0	0	1020	8.5	2.34	25	
17-04-23 3:05	0	0	21	2	0	0	1020	8.5	2.32	27	
17-04-23 4:05	0	0	21	2	0	0	1020	8.5	2.31	25	
17-04-23 5:05	0	0	20.9	2	0	0	1020	8.6	2.34	26	
17-04-23 6:05	0	0	20.9	2	0	0	1020	8.6	2.32	24	
17-04-23 7:05	0	0	21	2	0	0	1021	8.6	2.33	26	
17-04-23 8:05	0	0	21	2	0	0	1021	8.6	2.31	25	
17-04-23 9:05	0	0	21	2	0	0	1022	8.6	2.31	27	
17-04-23 16:26	0	0	21.1	2	0	0	1023	11.7	2.68	25	
17-04-23 17:26	0	0	21.3	2	0	0	1023	10.4	2.68	25	
17-04-23 18:26	0	0	21.2	2	0	0	1023	9.5	2.67	25	
17-04-23 19:26	0	0	21.1	1	0	0	1023	9.2	2.65	26	
17-04-23 20:26	0	0	21.1	1	0	0	1024	9.1	2.65	25	
17-04-23 21:26	0	0	21.1	1	0	0	1024	9.1	2.61	25	
17-04-23 22:26	0	0	21.1	1	0	0	1024	9.1	2.65	25	
17-04-23 23:26	0	0	21.1	1	0	0	1025	9.1	2.61	26	
18-04-23 0:26	0	0	21.1	1	0	0	1025	9.1	2.63	26	
18-04-23 1:26	0	0	21.1	1	0	0	1025	9.1	2.64	26	
18-04-23 2:26	0	0	21.2	1	0	0	1025	9.1	2.62	26	
18-04-23 3:26	0	0	21.2	1	0	0	1025	9.2	2.62	26	
18-04-23 4:26	0	0	21.2	1	0	0	1026	9.2	2.61	25	
18-04-23 5:26	0	0	21.2	1	0	0	1025	9.2	2.61	25	
18-04-23 6:26	0	0	21.2	1	0	0	1026	9.2	2.61	25	
18-04-23 7:26	0	0	21.1	1	0	0	1026	9.2	2.61	26	
18-04-23 8:26	0	0	21.2	1	0	0	1026	9.2	2.6	25	
18-04-23 9:26	0	0	21.2	1	0	0	1026	9.2	2.6	25	
18-04-23 10:26	0	0	21.1	1	0	0	1026	9.2	2.61	26	
18-04-23 11:26	0	0	21.2	1	0	0	1025	9.2	2.61	25	
18-04-23 12:26	0	0	21.2	1	0	0	1025	9.2	2.6	26	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
18-04-23 13:26	0	0	21.2	1	0	0	1025	9.1	2.59	25	
18-04-23 14:26	0	0	21.2	1	0	0	1024	9.1	2.6	24	
18-04-23 15:26	0	0	21.2	1	0	0	1024	9.1	2.59	24	
18-04-23 16:26	0	0	21.2	1	0	0	1024	9.1	2.59	25	
18-04-23 17:26	0	0	21.2	1	0	0	1024	9.2	2.61	27	
18-04-23 18:26	0	0	21.2	1	0	0	1024	9.2	2.58	26	
18-04-23 19:26	0	0	21.2	1	0	0	1024	9.2	2.59	25	
18-04-23 20:26	0	0	21.2	1	0	0	1024	9.3	2.59	26	
18-04-23 21:26	0	0	21.2	1	0	0	1024	9.3	2.57	26	
18-04-23 22:26	0	0	21.2	1	0	0	1024	9.3	2.58	24	
18-04-23 23:26	0	0	21.2	1	0	0	1024	9.3	2.6	24	
19-04-23 0:26	0	0	21.2	1	0	0	1024	9.4	2.57	25	
19-04-23 1:26	0	0	21.2	1	0	0	1024	9.4	2.56	24	
19-04-23 2:26	0	0	21.2	1	0	0	1024	9.4	2.57	26	
19-04-23 3:26	0	0	21.2	1	0	0	1023	9.4	2.57	25	
19-04-23 4:26	0	0.1	20.8	1	0	0	1023	9.4	2.58	24	
19-04-23 5:26	0	0.1	20.5	1	0	0	1023	9.4	2.56	24	
19-04-23 6:26	0	0	21.2	1	0	0	1023	9.4	2.57	25	
19-04-23 7:26	0	0	21.3	1	0	0	1023	9.4	2.56	24	
19-04-23 8:26	0	0	21.3	1	0	0	1023	9.4	2.55	24	
19-04-23 9:26	0	0	21.3	1	0	0	1023	9.4	2.57	26	
19-04-23 10:26	0	0	21.3	1	0	0	1023	9.4	2.57	24	
19-04-23 11:26	0	0	21.2	1	0	0	1023	9.4	2.57	25	
19-04-23 12:26	0	0	21.3	1	0	0	1023	9.3	2.55	24	
19-04-23 13:26	0	0	21.2	1	0	0	1022	9.3	2.55	24	
19-04-23 14:26	0	0	21.2	1	0	0	1022	9.3	2.56	26	
19-04-23 15:26	0	0	21.2	1	0	0	1021	9.3	2.56	25	
19-04-23 16:26	0	0	21.2	1	0	0	1021	9.3	2.55	25	
19-04-23 17:26	0	0	21.2	1	0	0	1022	9.3	2.58	27	
19-04-23 18:26	0	0	21.3	1	0	0	1022	9.3	2.56	25	
19-04-23 19:26	0	0	21.2	1	0	0	1022	9.3	2.55	25	
19-04-23 20:26	0	0	21.2	1	0	0	1022	9.3	2.55	25	
19-04-23 21:26	0	0	21.2	1	0	0	1023	9.3	2.55	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
19-04-23 22:26	0	0	21.2	1	0	0	1023	9.3	2.56	27	
19-04-23 23:26	0	0	21.2	1	0	0	1022	9.3	2.55	24	
20-04-23 0:26	0	0	21.2	1	0	0	1022	9.3	2.53	24	
20-04-23 1:26	0	0	21.2	1	0	0	1022	9.3	2.54	24	
20-04-23 2:26	0	0	21.2	1	0	0	1022	9.3	2.53	27	
20-04-23 3:26	0	0	21.2	1	0	0	1021	9.3	2.53	25	
20-04-23 4:26	0	0	21.2	1	0	0	1021	9.3	2.55	25	
20-04-23 5:26	0	0	20.9	1	0	0	1021	9.3	2.53	26	
20-04-23 6:26	0	0.1	20.6	1	0	0	1021	9.3	2.52	25	
20-04-23 7:26	0	0	21.1	1	0	0	1022	9.3	2.54	25	
20-04-23 8:26	0	0	21.1	1	0	0	1022	9.3	2.52	25	
20-04-23 9:26	0	0	21.2	1	0	0	1021	9.3	2.54	26	
20-04-23 10:26	0	0	21.2	1	0	0	1021	9.3	2.51	26	
20-04-23 11:26	0	0	21.2	1	0	0	1020	9.3	2.52	26	
20-04-23 12:26	0	0	21.2	1	0	0	1019	9.2	2.52	26	
20-04-23 13:26	0	0	21.2	1	0	0	1019	9.2	2.52	25	
20-04-23 14:26	0	0	21.2	1	0	0	1018	9.1	2.52	25	
20-04-23 15:26	0	0	21.2	1	0	0	1017	9.1	2.53	24	
20-04-23 16:26	0	0	21.2	1	0	0	1017	9.1	2.53	26	
20-04-23 17:26	0	0	21.2	1	0	0	1016	9.1	2.53	25	
20-04-23 18:26	0	0	21.2	1	0	0	1016	9.1	2.52	26	
20-04-23 19:26	0	0	21.2	1	0	0	1016	9.1	2.54	24	
20-04-23 20:26	0	0	21.2	1	0	0	1016	9.2	2.51	24	
20-04-23 21:26	0	0	21.2	1	0	0	1015	9.2	2.53	25	
20-04-23 22:26	0	0	21.2	1	0	0	1015	9.3	2.52	25	
20-04-23 23:26	0	0	21.2	1	0	0	1015	9.3	2.52	24	
21-04-23 0:26	0	0	21.2	1	0	0	1015	9.3	2.52	26	
21-04-23 1:26	0	0	21.2	1	0	0	1014	9.4	2.53	26	
21-04-23 2:26	0	0	21.2	1	0	0	1014	9.4	2.52	25	
21-04-23 3:26	0	0	21.2	1	0	0	1013	9.4	2.52	24	
21-04-23 4:26	0	0	21.2	1	0	0	1012	9.4	2.5	26	
21-04-23 5:26	0	0	21.2	1	0	0	1011	9.4	2.53	26	
21-04-23 6:26	0	0	21.2	1	0	0	1010	9.4	2.51	24	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
21-04-23 7:26	0	0	21.2	1	0	0	1009	9.5	2.51	25	
21-04-23 8:26	0	0	21.2	1	0	0	1008	9.5	2.52	25	
21-04-23 9:26	0	0	21.2	1	0	0	1008	9.5	2.52	25	
21-04-23 10:26	0	0	21.2	1	0	0	1007	9.5	2.52	24	
21-04-23 11:26	0	0	21.2	1	0	0	1007	9.5	2.51	26	
21-04-23 12:26	0	0	21.2	1	0	0	1007	9.5	2.53	24	
21-04-23 13:26	0	0	21.2	1	0	0	1006	9.5	2.51	24	
21-04-23 14:26	0	0	21.2	1	0	0	1006	9.5	2.5	23	
21-04-23 15:26	0	0	21.2	1	0	0	1006	9.5	2.52	25	
21-04-23 16:26	0	0	21.2	1	0	0	1005	9.5	2.51	24	
21-04-23 17:26	0	0	21.2	1	0	0	1005	9.5	2.5	26	
21-04-23 18:26	0	0	21.2	1	0	0	1005	9.5	2.53	24	
21-04-23 19:26	0	0	21.2	1	0	0	1005	9.5	2.49	25	
21-04-23 20:26	0	0	21.2	1	0	0	1005	9.5	2.5	24	
21-04-23 21:26	0	0	21.2	1	0	0	1004	9.5	2.5	24	
21-04-23 22:26	0	0	21.1	1	0	0	1003	9.5	2.51	24	
21-04-23 23:26	0	0	21.1	1	0	0	1003	9.6	2.51	25	
22-04-23 0:26	0	0	21.1	1	0	0	1002	9.6	2.5	25	
22-04-23 1:26	0	0	21	2	0	0	1001	9.6	2.5	24	
22-04-23 2:26	0	0	20.8	2	0	0	1000	9.6	2.52	23	
22-04-23 3:26	0	0	20.6	2	0	0	999	9.6	2.5	24	
22-04-23 4:26	0	0.1	20.4	2	0	0	999	9.6	2.49	24	
22-04-23 5:26	0	0.1	20.3	2	0	0	998	9.6	2.5	25	
22-04-23 6:26	0	0.1	20.1	2	0	0	997	9.6	2.49	24	
22-04-23 7:26	0	0.3	19.9	2	0	0	997	9.6	2.49	25	
22-04-23 8:26	0	0.4	19.7	2	0	0	997	9.6	2.51	26	
22-04-23 9:26	0	0.6	19.5	2	0	0	997	9.6	2.49	24	
22-04-23 10:26	0	0.6	19.3	2	0	0	996	9.6	2.5	23	
22-04-23 11:26	0	0.4	19.3	2	0	0	996	9.6	2.5	26	
22-04-23 12:26	0	0.4	19.3	2	0	0	996	9.6	2.5	26	
22-04-23 13:26	0	0.3	19.5	2	0	0	996	9.6	2.49	24	
22-04-23 14:26	0	0.1	20.1	2	0	0	995	9.5	2.5	24	
22-04-23 15:26	0	0.1	20	2	0	0	996	9.5	2.5	26	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH103 (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
22-04-23 16:26	0	0.1	19.9	2	0	0	995	9.5	2.49	24	
22-04-23 17:26	0	0.1	20.3	2	0	0	995	9.5	2.49	26	
22-04-23 18:26	0	0.1	20.2	2	0	0	995	9.5	2.52	24	
22-04-23 19:26	0	0.1	20.2	2	0	0	995	9.6	2.51	25	
22-04-23 20:26	0	0.1	20.2	2	0	0	995	9.6	2.49	24	
22-04-23 21:26	0	0.1	20.2	2	0	0	995	9.6	2.5	24	
22-04-23 22:26	0	0.1	20.2	2	0	0	995	9.6	2.5	25	
22-04-23 23:26	0	0	20.5	2	0	0	994	9.6	2.49	24	
23-04-23 0:26	0	0	20.7	2	0	0	994	9.7	2.51	26	
23-04-23 1:26	0	0	20.8	2	0	0	994	9.7	2.49	25	
23-04-23 2:26	0	0	20.8	2	0	0	993	9.7	2.49	23	
23-04-23 3:26	0	0	20.8	2	0	0	993	9.8	2.51	26	
23-04-23 4:26	0	0	20.7	2	0	0	993	9.8	2.49	24	
23-04-23 5:26	0	0	20.5	2	0	0	992	9.8	2.51	25	
23-04-23 6:26	0	0.1	20.3	2	0	0	992	9.8	2.49	23	
23-04-23 7:26	0	0.1	20.4	2	0	0	993	9.8	2.5	24	
23-04-23 8:26	0	0.1	20.2	2	0	0	993	9.8	2.49	25	
23-04-23 9:26	0	0.1	20.2	2	0	0	993	9.8	2.49	24	
23-04-23 10:26	0	0.1	20.2	2	0	0	993	9.8	2.5	25	
23-04-23 11:26	0	0	20.9	2	0	0	993	9.8	2.51	26	
23-04-23 12:26	0	0	20.6	2	0	0	994	9.8	2.48	26	
23-04-23 13:26	0	0.4	19.7	2	0	0	994	9.8	2.49	24	
23-04-23 14:26	0	0	20.8	2	0	0	994	9.8	2.5	26	
23-04-23 15:26	0	0.1	20.1	2	0	0	994	9.8	2.5	24	
23-04-23 16:26	0	0.6	19.2	2	0	0	994	9.8	2.48	24	
23-04-23 17:26	0	0.9	18.8	2	0	0	995	9.8	2.48	24	
23-04-23 18:26	0	0.7	19	2	0	0	995	9.8	2.5	23	
23-04-23 19:26	0	0.4	19.5	2	0	0	996	9.8	2.49	26	
23-04-23 20:26	0	0.6	19.2	2	0	0	997	9.8	2.49	25	
23-04-23 21:26	0	0.7	19	2	0	0	998	9.8	2.49	26	
23-04-23 22:26	0	0.6	19	3	0	0	998	9.8	2.49	25	
23-04-23 23:26	0	0.7	18.9	2	0	0	999	9.8	2.51	24	
24-04-23 0:26	0	0.9	18.9	2	0	0	999	9.8	2.49	25	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD									
Job No:	C5313									
Site:	BRWRY, MANCHESTER									
Location:	BH103 (BSL)									
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)
24-04-23 1:26	0	0.8	18.7	2	0	0	1000	9.8	2.49	24
24-04-23 2:26	0	1	18.7	2	0	0	1000	9.8	2.5	25
24-04-23 3:26	0	1	18.7	2	0	0	1001	9.8	2.51	24
24-04-23 4:26	0	1	18.6	2	0	0	1001	9.8	2.49	24
24-04-23 5:26	0	1	18.7	2	0	0	1002	9.8	2.51	25
24-04-23 6:26	0	1	18.6	3	0	0	1002	9.8	2.48	25
24-04-23 7:26	0	1.1	18.6	2	0	0	1003	9.8	2.49	24
24-04-23 8:26	0	1.1	18.5	3	0	0	1003	9.8	2.5	25

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
04-04-23 13:13	0	0	19.7	1	0	0	1020	17.3	2.54	21	
04-04-23 14:12	0	0	19.8	1	0	0	1019	17.4	2.53	21	
04-04-23 15:12	0	0	19.7	1	0	0	1019	18.7	2.53	23	
04-04-23 16:12	0	0	20.3	1	0	0	1018	20.4	2.53	22	
04-04-23 17:12	0	0	20.3	1	0	0	1018	21.9	2.53	23	
04-04-23 18:12	0	0	20.4	1	0	1	1017	22.6	2.53	22	
04-04-23 19:12	0	0	20.5	1	0	0	1016	22.8	2.52	23	
04-04-23 20:12	0	0	20.6	1	0	1	1016	22.1	2.53	22	
04-04-23 21:12	0	0	20.7	1	0	0	1015	20.9	2.52	20	
04-04-23 22:12	0	0	20.7	1	0	0	1015	19.6	2.52	22	
04-04-23 23:12	0	0	20.6	1	0	0	1015	18.2	2.52	22	
05-04-23 0:12	0	0	20.6	0	0	0	1014	16.9	2.52	21	
05-04-23 1:12	0	0	20.6	0	0	0	1014	15.7	2.51	21	
05-04-23 2:12	0	0	20.8	0	0	0	1013	14.6	2.51	20	
05-04-23 3:12	0	0	20.3	0	0	0	1013	13.6	2.49	21	
05-04-23 4:12	0	0	20.3	0	0	0	1012	12.8	2.51	20	
05-04-23 5:12	0	0	20.2	0	0	0	1012	12.1	2.47	22	
05-04-23 6:12	0	0	20.3	0	0	0	1012	11.5	2.5	23	
05-04-23 7:12	0	0	20.2	0	0	0	1011	11.1	2.51	21	
05-04-23 8:12	0	0	20.2	0	0	0	1011	10.7	2.51	21	
05-04-23 9:12	0	0	20.2	0	0	0	1011	10.4	2.49	22	
05-04-23 10:12	0	0	20.2	0	0	0	1011	10.3	2.51	21	
05-04-23 11:12	0	0	20.1	0	0	0	1011	10.2	2.5	23	
05-04-23 12:12	0	0	20.1	0	0	0	1011	10.3	2.5	22	
05-04-23 13:12	0	0	20.1	0	0	0	1010	10.5	2.49	22	
05-04-23 14:12	0	0	20.4	0	0	0	1010	10.9	2.48	23	
05-04-23 15:12	0.2	0	14.5	2	0	17	1009	11.2	2.49	23	
05-04-23 16:12	0.2	0	12.5	2	0	7	1008	11	2.5	21	
05-04-23 17:12	0.1	0	12.1	2	0	4	1008	10.9	2.5	23	
05-04-23 18:12	0	0	12.9	2	0	1	1007	10.9	2.51	22	
05-04-23 19:12	0	0	13	2	0	1	1007	10.9	2.5	22	
05-04-23 20:12	0	0	13	2	0	1	1007	10.9	2.5	23	
05-04-23 21:12	0	0	13	2	0	0	1007	10.9	2.49	22	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
05-04-23 22:12	0	0	13	2	0	0	1006	10.9	2.49	22	
05-04-23 23:12	0	0	12.9	2	0	0	1008	10.9	2.5	23	
06-04-23 0:12	0	0	12.9	2	0	0	1007	11	2.51	21	
06-04-23 1:12	0	0	12.8	2	0	0	1007	11	2.5	21	
06-04-23 2:12	0	0	12.7	2	0	0	1007	11	2.5	22	
06-04-23 3:12	0	0	12.7	2	0	0	1007	11	2.5	22	
06-04-23 4:12	0	0	12.6	2	0	0	1006	11	2.5	21	
06-04-23 5:12	0	0	12.6	2	0	0	1006	11	2.5	21	
06-04-23 6:12	0	0	12.6	2	0	0	1006	11	2.49	23	
06-04-23 7:12	0	0	12.6	2	0	0	1006	11	2.5	22	
06-04-23 8:12	0	0	12.6	2	0	1	1006	11	2.5	23	
06-04-23 9:12	0	0	12.6	2	0	0	1006	11	2.49	22	
06-04-23 10:12	0	0	12.6	2	0	1	1006	11	2.49	23	
06-04-23 11:12	0	0	12.6	2	0	1	1006	11	2.5	23	
06-04-23 12:12	0	0	12.6	2	0	2	1006	11	2.51	23	
06-04-23 13:12	0	0	12.6	2	0	1	1006	11	2.5	23	
06-04-23 14:12	0	0	12.6	2	0	2	1006	11	2.51	22	
06-04-23 15:12	0	0	12.6	2	0	2	1006	11	2.5	22	
06-04-23 16:12	0	0	17.4	2	0	0	1006	11.7	2.49	23	
06-04-23 17:12	0	0	20.2	1	0	0	1007	11.3	2.51	23	
06-04-23 18:12	0	0	20.4	1	0	0	1008	11.1	2.5	23	
06-04-23 19:12	0	0	20.4	1	0	0	1008	11.1	2.5	23	
06-04-23 20:12	0	0	20.5	0	0	0	1009	11.1	2.49	21	
06-04-23 21:12	0	0	20.5	0	0	0	1010	11.1	2.5	23	
06-04-23 22:12	0	0	20.5	0	0	0	1011	11.2	2.49	23	
06-04-23 23:12	0	0	20.5	0	0	0	1011	11.2	2.5	23	
07-04-23 0:12	0	0	20.5	0	0	0	1011	11.2	2.5	23	
07-04-23 1:12	0	0	20.6	0	0	0	1012	11.2	2.49	23	
07-04-23 2:12	0	0	20.5	0	0	0	1012	11.2	2.49	22	
07-04-23 3:12	0	0	20.6	0	0	0	1012	11.1	2.49	21	
07-04-23 4:12	0	0	20.5	0	0	0	1012	11.1	2.49	23	
07-04-23 5:12	0	0	20.6	0	0	0	1013	11.1	2.48	23	
07-04-23 6:12	0	0	20.6	0	0	0	1013	11	2.49	23	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
07-04-23 7:12	0	0	20.6	0	0	0	1014	10.9	2.5	22	
07-04-23 8:12	0	0	20.6	0	0	0	1014	10.9	2.49	23	
07-04-23 9:12	0	0	20.6	0	0	0	1014	10.8	2.49	21	
07-04-23 10:12	0	0	20.6	0	0	0	1015	10.8	2.49	22	
07-04-23 11:12	0	0	20.6	0	0	0	1014	10.7	2.49	23	
07-04-23 12:12	0	0	20.5	0	0	0	1014	10.7	2.49	23	
07-04-23 13:12	0	0	20.5	0	0	0	1014	10.6	2.5	22	
07-04-23 14:12	0	0	20.5	0	0	0	1014	10.6	2.49	22	
07-04-23 15:12	0	0	20.5	0	0	0	1014	10.6	2.5	24	
07-04-23 16:12	0	0	20.5	0	0	0	1013	10.6	2.5	21	
07-04-23 17:12	0	0	20.5	0	0	0	1013	10.6	2.5	21	
07-04-23 18:12	0	0	20.5	0	0	0	1014	10.7	2.5	22	
07-04-23 19:12	0	0	20.6	1	0	0	1014	10.8	2.5	23	
07-04-23 20:12	0	0	20.6	1	0	0	1015	10.8	2.5	22	
07-04-23 21:12	0	0	20.6	1	0	0	1015	10.9	2.5	23	
07-04-23 22:12	0	0	20.6	1	0	0	1016	11	2.5	22	
07-04-23 23:12	0	0	20.6	1	0	0	1016	11.1	2.51	22	
08-04-23 0:12	0	0	20.6	1	0	0	1016	11.2	2.51	22	
08-04-23 1:12	0	0	20.6	1	0	0	1017	11.3	2.51	23	
08-04-23 2:12	0	0	20.6	1	0	0	1017	11.3	2.49	24	
08-04-23 3:12	0	0	20.7	1	0	0	1017	11.3	2.5	23	
08-04-23 4:12	0	0	20.7	1	0	0	1017	11.4	2.49	21	
08-04-23 5:12	0	0	20.7	1	0	0	1017	11.4	2.5	21	
08-04-23 6:12	0	0	20.7	2	0	0	1018	11.4	2.49	22	
08-04-23 7:12	0	0	20.7	2	0	0	1018	11.3	2.51	23	
08-04-23 8:12	0	0	20.7	2	0	0	1019	11.3	2.5	24	
08-04-23 9:12	0	0	20.7	2	0	0	1019	11.3	2.5	22	
08-04-23 10:12	0	0	20.7	2	0	0	1019	11.2	2.49	22	
08-04-23 11:12	0	0	20.6	2	0	0	1019	11.2	2.5	22	
08-04-23 12:12	0	0	20.6	4	0	0	1019	11.1	2.49	22	
08-04-23 13:12	0	0	20.6	4	0	0	1018	11.1	2.49	22	
08-04-23 14:12	0	0	20.6	4	0	0	1018	11.1	2.53	23	
08-04-23 15:12	0	0	20.5	4	0	0	1018	11.1	2.5	23	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
08-04-23 16:12	0	0	20.6	4	0	0	1017	11.1	2.49	22	
08-04-23 17:12	0	0	20.6	4	0	0	1017	11.2	2.5	22	
08-04-23 18:12	0	0	20.6	4	0	0	1017	11.3	2.5	22	
08-04-23 19:12	0	0	20.6	4	0	0	1017	11.3	2.5	22	
08-04-23 20:12	0	0	20.6	4	0	0	1017	11.4	2.49	23	
08-04-23 21:12	0	0	20.6	4	0	0	1018	11.5	2.5	24	
08-04-23 22:12	0	0	20.6	2	0	0	1018	11.6	2.5	23	
08-04-23 23:12	0	0	20.7	2	0	0	1018	11.7	2.5	23	
09-04-23 0:12	0	0	20.6	2	0	0	1018	11.8	2.5	24	
09-04-23 1:12	0	0	20.6	2	0	0	1017	11.9	2.5	22	
09-04-23 2:12	0	0	20.6	2	0	0	1017	11.9	2.51	22	
09-04-23 3:12	0	0	20.6	2	0	0	1016	11.9	2.5	23	
09-04-23 4:12	0	0	20.5	2	0	0	1016	12	2.51	22	
09-04-23 5:12	0	0	20.1	2	0	0	1015	12	2.51	22	
09-04-23 6:12	0	0	19.9	2	0	0	1015	12.1	2.49	23	
09-04-23 7:12	0	0	19.4	4	0	0	1015	12.1	2.5	22	
09-04-23 8:12	0	0	18.4	4	0	0	1014	12	2.5	21	
09-04-23 9:12	0	0	17.5	4	0	0	1015	12	2.49	22	
09-04-23 10:12	0	0	16.8	4	0	0	1014	12	2.49	21	
09-04-23 11:12	0	0	16.1	4	0	0	1013	12	2.51	22	
09-04-23 12:12	0	0	15.6	4	0	0	1012	11.9	2.49	21	
09-04-23 13:12	0	0	15.1	4	0	0	1011	11.9	2.5	22	
09-04-23 14:12	0	0	14.9	4	0	0	1011	11.9	2.49	22	
09-04-23 15:12	0	0	14.7	4	0	0	1010	11.9	2.5	21	
09-04-23 16:12	0	0	14.5	4	0	0	1009	11.9	2.49	21	
09-04-23 17:12	0	0.1	14.3	4	0	0	1009	11.9	2.5	22	
09-04-23 18:12	0	0.1	14.2	4	0	0	1008	11.9	2.5	23	
09-04-23 19:12	0	0.1	14.1	4	0	0	1007	12	2.5	22	
09-04-23 20:12	0	0.1	14	2	0	0	1007	12.1	2.5	22	
09-04-23 21:12	0	0.3	13.9	4	0	0	1006	12.1	2.52	23	
09-04-23 22:12	0	0.3	13.8	2	0	0	1005	12.2	2.5	22	
09-04-23 23:12	0	0.4	13.7	2	0	0	1004	12.3	2.5	21	
10-04-23 0:12	0	0.4	13.6	2	0	0	1004	12.3	2.51	22	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
10-04-23 1:12	0	0.4	13.5	2	0	0	1003	12.4	2.5	24	
10-04-23 2:12	0	0.5	13.4	2	0	0	1001	12.4	2.5	21	
10-04-23 3:12	0	0.5	13.4	2	0	0	1001	12.4	2.49	23	
10-04-23 4:12	0	0.5	13.3	2	0	0	1000	12.5	2.49	22	
10-04-23 5:12	0	0.6	13.2	2	0	0	999	12.5	2.49	22	
10-04-23 6:12	0	0.6	13.2	2	0	0	999	12.5	2.5	23	
10-04-23 7:12	0	0.6	13.1	2	0	0	998	12.5	2.5	21	
10-04-23 8:12	0	0.7	13.1	2	0	0	998	12.5	2.48	22	
10-04-23 9:12	0	0.8	13	2	0	0	997	12.5	2.49	22	
10-04-23 10:12	0	0.8	13	2	0	0	996	12.5	2.49	23	
10-04-23 11:12	0	0.9	13	2	0	0	995	12.5	2.49	23	
10-04-23 12:12	0	0.9	13.1	2	0	0	994	12.5	2.49	23	
10-04-23 13:12	0	0.9	13	2	0	0	993	12.4	2.53	21	
10-04-23 14:12	0	0.9	13	2	0	0	994	12.5	2.48	21	
10-04-23 15:12	0	0.9	13	2	0	0	994	12.5	2.5	22	
10-04-23 16:12	0	0.9	13	2	0	0	994	12.5	2.48	23	
10-04-23 17:12	0	0.9	12.9	4	0	0	994	12.5	2.51	22	
10-04-23 18:12	0	0.9	12.9	2	0	0	995	12.5	2.5	22	
10-04-23 19:12	0	0.9	12.9	2	0	0	995	12.5	2.52	22	
10-04-23 20:12	0	0.8	12.9	2	0	0	996	12.5	2.49	23	
10-04-23 21:12	0	0.8	12.9	2	0	0	997	12.5	2.49	23	
10-04-23 22:12	0	0.6	12.9	4	0	0	997	12.4	2.5	22	
10-04-23 23:12	0	0.5	12.9	4	0	0	998	12.4	2.5	22	
11-04-23 0:12	0	0.5	13	4	0	0	998	12.4	2.49	21	
11-04-23 1:12	0	0.4	13	4	0	0	998	12.4	2.49	22	
11-04-23 2:12	0	0.3	13.1	4	0	0	999	12.4	2.49	23	
11-04-23 3:12	0	0	19.2	2	0	0	999	12.3	2.49	22	
11-04-23 4:12	0	0	20.5	2	0	0	1000	12.3	2.49	23	
11-04-23 5:12	0	0	20.6	2	0	0	1000	12.2	2.49	23	
11-04-23 6:12	0	0	20.5	2	0	0	1000	12.2	2.5	22	
11-04-23 7:12	0	0	20.6	2	0	0	1001	12.1	2.49	23	
11-04-23 8:12	0	0	20.6	2	0	0	1001	12.1	2.48	22	
11-04-23 9:12	0	0	20.5	2	0	0	1001	12	2.48	22	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD									
Job No:	C5313									
Site:	BRWRY, MANCHESTER									
Location:	BH106 Deep (BSL)									
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)
11-04-23 10:12	0	0	20.5	2	0	0	1001	11.9	2.49	22
11-04-23 11:12	0	0	20.5	2	0	0	1000	11.9	2.5	23
11-04-23 12:12	0	0	18.6	4	0	0	999	11.9	2.49	23
11-04-23 13:12	0	0.2	14.4	4	0	0	997	11.8	2.49	21
11-04-23 14:12	0	0.5	12.7	4	0	0	996	11.8	2.48	22
11-04-23 15:12	0	0.9	12.4	4	0	0	994	11.8	2.49	22
11-04-23 16:12	0	1.1	12.3	4	0	0	992	11.8	2.49	21
11-04-23 17:12	0	1.2	12.2	4	0	0	990	11.8	2.48	23
11-04-23 18:12	0	1.3	12.3	4	0	0	987	11.8	2.49	22
11-04-23 19:12	0	1.3	12.3	4	0	0	983	11.8	2.48	21
11-04-23 20:12	0	1.3	12.3	4	0	0	980	11.8	2.49	23
11-04-23 21:12	0	1.3	12.3	4	0	0	979	11.8	2.49	21
11-04-23 22:12	0	1.3	12.3	4	0	0	981	11.8	2.5	22
11-04-23 23:12	0	1.3	12.3	4	0	0	981	11.8	2.48	22
12-04-23 0:12	0	1.5	12.2	4	0	0	982	11.8	2.49	23
12-04-23 1:12	0	1.5	12.2	4	0	0	982	11.8	2.49	23
12-04-23 2:12	0	1.3	12.2	4	0	0	982	11.8	2.48	22
12-04-23 3:12	0	1.5	12.1	4	0	0	982	11.8	2.49	21
12-04-23 4:12	0	1.5	12.1	4	0	0	982	11.8	2.49	22
12-04-23 5:12	0	1.5	12	4	0	0	982	11.8	2.49	23
12-04-23 6:12	0	1.5	12	4	0	0	981	11.8	2.47	23
12-04-23 7:12	0	1.6	12	4	0	0	981	11.7	2.48	22
12-04-23 8:12	0	1.6	11.9	4	0	0	980	11.6	2.5	21
12-04-23 9:46	0	1.2	13.4	1	0	0	983	11	2.61	21
12-04-23 10:46	0	1.6	12	4	0	0	985	11.2	2.62	23
12-04-23 11:46	0	1.1	12.6	4	0	0	984	10.3	2.61	23
12-04-23 12:46	0	1.1	12.3	6	0	0	983	10.9	2.62	22
12-04-23 13:46	0	1.5	11.7	6	0	0	972	10.8	2.6	21
12-04-23 14:46	0	1.6	11.7	5	0	0	971	11.1	2.61	21
12-04-23 15:46	0	1.7	11.7	5	0	0	971	11.1	2.61	22
12-04-23 16:46	0	1.7	11.7	5	0	0	972	11.1	2.61	21
12-04-23 17:46	0	1.7	11.7	5	0	0	973	11	2.6	22
12-04-23 18:46	0	1.6	11.7	5	0	0	974	10.9	2.61	23

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
12-04-23 19:46	0	1.7	11.6	6	0	0	975	10.9	2.6	21	
12-04-23 20:46	0	1.6	11.7	6	0	0	977	10.9	2.61	21	
12-04-23 21:46	0	0.4	15.1	6	0	0	979	10.9	2.6	23	
12-04-23 22:46	0	0	20.5	6	0	0	980	10.9	2.6	22	
12-04-23 23:46	0	0	20.7	6	0	0	981	10.9	2.6	23	
13-04-23 0:46	0	0	20.7	6	0	0	981	10.8	2.6	22	
13-04-23 1:46	0	0	20.7	6	0	0	982	10.8	2.58	22	
13-04-23 2:46	0	0	20.7	6	0	0	983	10.8	2.6	23	
13-04-23 3:46	0	0	20.8	6	0	0	984	10.8	2.6	23	
13-04-23 4:46	0	0	20.8	6	0	0	984	10.7	2.59	21	
13-04-23 5:46	0	0	20.8	6	0	0	985	10.7	2.59	23	
13-04-23 6:46	0	0	20.8	6	0	0	986	10.6	2.6	23	
13-04-23 7:46	0	0	20.8	6	0	0	986	10.6	2.58	23	
13-04-23 8:46	0	0	20.8	6	0	0	987	10.6	2.58	22	
13-04-23 9:46	0	0	20.8	6	0	0	988	10.6	2.57	24	
13-04-23 10:46	0	0	20.8	6	0	0	989	10.5	2.59	23	
13-04-23 11:46	0	0	20.8	6	0	0	989	10.5	2.59	23	
13-04-23 12:46	0	0	20.8	6	0	0	990	10.4	2.58	23	
13-04-23 13:46	0	0	20.8	6	0	0	990	10.4	2.57	21	
13-04-23 14:46	0	0	20.8	6	0	0	991	10.4	2.59	23	
13-04-23 15:46	0	0	20.8	7	0	0	991	10.4	2.58	22	
13-04-23 16:46	0	0	20.8	7	0	0	992	10.4	2.58	22	
13-04-23 17:46	0	0	20.8	7	0	0	992	10.4	2.57	22	
13-04-23 18:46	0	0	20.8	7	0	0	993	10.4	2.58	24	
13-04-23 19:46	0	0	20.8	7	0	0	993	10.4	2.56	22	
13-04-23 20:46	0	0	20.8	7	0	0	994	10.5	2.58	23	
13-04-23 21:46	0	0	20.8	7	0	0	994	10.5	2.57	22	
13-04-23 22:46	0	0	20.6	7	0	0	994	10.6	2.57	22	
13-04-23 23:46	0	0	20.5	7	0	0	994	10.6	2.57	22	
14-04-23 0:46	0	0	20.5	7	0	0	994	10.6	2.57	23	
14-04-23 1:46	0	0	20.5	7	0	0	994	10.6	2.55	23	
14-04-23 2:46	0	0	20.5	7	0	0	994	10.6	2.56	23	
14-04-23 3:46	0	0	20.5	6	0	0	994	10.6	2.57	22	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
14-04-23 4:46	0	0	20.5	7	0	0	994	10.6	2.56	22	
14-04-23 5:46	0	0	20.5	7	0	0	994	10.6	2.57	23	
14-04-23 6:46	0	0	20.5	7	0	0	994	10.6	2.56	23	
14-04-23 7:46	0	0	20.5	7	0	0	994	10.5	2.56	24	
14-04-23 8:46	0	0	20.5	7	0	0	994	10.5	2.56	23	
14-04-23 9:46	0	0	20.8	7	0	0	994	8.8	2.55	24	
14-04-23 10:46	0	0	20.4	7	0	0	994	9.9	2.55	23	
14-04-23 11:46	0	0	20.5	7	0	0	995	10.1	2.55	23	
14-04-23 12:46	0	0	20.5	8	0	0	995	10.2	2.54	22	
14-04-23 13:46	0	0	20.5	8	0	0	996	10	2.55	23	
14-04-23 14:46	0	0	20.5	8	0	0	996	9.9	2.55	22	
14-04-23 15:46	0	0	20.5	10	0	0	997	10	2.54	22	
14-04-23 16:46	0	0	20.5	8	0	0	997	10	2.53	23	
14-04-23 17:46	0	0	20.5	8	0	0	998	9.9	2.54	23	
14-04-23 18:46	0	0	20.5	8	0	0	999	9.9	2.53	23	
14-04-23 19:46	0	0	20.5	10	0	0	999	9.9	2.54	22	
14-04-23 20:46	0	0	20.5	10	0	0	1000	10	2.53	22	
14-04-23 21:46	0	0	20.5	10	0	0	1001	10.1	2.53	24	
14-04-23 22:46	0	0	20.5	10	0	0	1002	10.1	2.53	24	
14-04-23 23:46	0	0	20.6	10	0	0	1003	10.1	2.53	24	
15-04-23 0:46	0	0	20.6	10	0	0	1003	10.1	2.54	23	
15-04-23 1:46	0	0	20.6	10	0	0	1004	10.1	2.53	23	
15-04-23 2:46	0	0	20.6	10	0	0	1005	10.1	2.52	24	
15-04-23 3:46	0	0	20.6	10	0	0	1006	10.1	2.52	24	
15-04-23 4:46	0	0	20.6	10	0	0	1007	10.1	2.52	22	
15-04-23 5:46	0	0	20.6	10	0	0	1007	10.1	2.52	22	
15-04-23 6:46	0	0	20.6	11	0	0	1009	10	2.53	23	
15-04-23 7:46	0	0	20.6	11	0	0	1010	9.9	2.51	22	
15-04-23 8:46	0	0	20.6	11	0	0	1011	9.9	2.53	24	
15-04-23 9:46	0	0	20.6	11	0	0	1012	9.8	2.52	24	
15-04-23 10:46	0	0	20.6	11	0	0	1012	9.8	2.5	22	
15-04-23 11:46	0	0	20.6	12	0	0	1013	9.7	2.51	22	
15-04-23 12:46	0	0	20.6	12	0	0	1013	9.7	2.51	23	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
15-04-23 13:46	0	0	20.6	12	0	0	1014	9.6	2.51	22	
15-04-23 14:46	0	0	20.6	12	0	0	1014	9.6	2.52	22	
15-04-23 15:46	0	0	20.6	12	0	0	1015	9.7	2.52	23	
15-04-23 16:46	0	0	20.5	12	0	0	1015	9.7	2.52	24	
15-04-23 17:46	0	0	20.5	12	0	0	1015	9.8	2.52	22	
15-04-23 18:46	0	0	20.6	12	0	0	1015	9.8	2.52	23	
15-04-23 19:46	0	0	20.6	13	0	0	1016	9.9	2.52	23	
15-04-23 20:46	0	0	20.6	13	0	0	1016	10	2.49	22	
15-04-23 21:46	0	0	20.6	13	0	0	1016	10.1	2.51	22	
15-04-23 22:46	0	0	20.6	12	0	0	1017	10.1	2.51	24	
15-04-23 23:46	0	0	20.6	13	0	0	1017	10.2	2.5	23	
16-04-23 0:46	0	0	20.6	12	0	0	1017	10.3	2.51	22	
16-04-23 1:46	0	0	20.6	11	0	0	1017	10.3	2.51	24	
16-04-23 2:46	0	0	20.6	12	0	0	1017	10.3	2.5	22	
16-04-23 3:46	0	0	20.6	11	0	0	1017	10.4	2.51	24	
16-04-23 4:46	0	0	20.6	11	0	0	1017	10.4	2.5	23	
16-04-23 5:46	0	0	20.6	11	0	0	1017	10.4	2.49	24	
16-04-23 6:46	0	0	20.6	11	0	0	1017	10.4	2.51	24	
16-04-23 7:46	0	0	20.6	11	0	0	1017	10.4	2.5	22	
16-04-23 8:46	0	0	20.6	11	0	0	1018	10.4	2.5	24	
16-04-23 9:46	0	0	20.6	11	0	0	1018	10.4	2.48	23	
16-04-23 10:46	0	0	20.6	11	0	0	1018	10.4	2.49	22	
16-04-23 11:46	0	0	20.6	11	0	0	1019	10.4	2.48	24	
16-04-23 12:46	0	0	20.6	11	0	0	1019	10.4	2.51	23	
16-04-23 13:46	0	0	20.6	11	0	0	1019	10.4	2.49	24	
16-04-23 14:46	0	0	20.6	11	0	0	1019	10.4	2.49	24	
16-04-23 15:46	0	0	20.6	11	0	0	1018	10.4	2.48	24	
16-04-23 16:46	0	0	20.6	11	0	0	1018	10.5	2.5	23	
16-04-23 17:46	0	0	20.6	11	0	0	1018	10.5	2.49	24	
16-04-23 18:46	0	0	20.6	11	0	0	1018	10.6	2.5	23	
16-04-23 19:46	0	0	20.6	11	0	0	1018	10.6	2.49	22	
16-04-23 20:46	0	0	20.6	11	0	0	1019	10.6	2.51	23	
16-04-23 21:46	0	0	20.6	11	0	0	1019	10.7	2.48	22	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
16-04-23 22:46	0	0	20.6	11	0	0	1019	10.8	2.48	24	
16-04-23 23:46	0	0	20.6	10	0	0	1019	10.8	2.47	23	
17-04-23 0:46	0	0	20.6	11	0	0	1019	10.9	2.48	22	
17-04-23 1:46	0	0	20.6	10	0	0	1019	10.9	2.49	22	
17-04-23 2:46	0	0	20.6	10	0	0	1019	10.9	2.47	22	
17-04-23 3:46	0	0	20.6	10	0	0	1019	10.9	2.48	22	
17-04-23 4:46	0	0	20.6	10	0	0	1019	11	2.48	22	
17-04-23 5:46	0	0	20.6	10	0	0	1019	11	2.47	22	
17-04-23 6:46	0	0	20.7	10	0	0	1020	11.1	2.49	22	
17-04-23 7:46	0	0	20.7	10	0	0	1020	11.1	2.48	22	
17-04-23 8:46	0	0	20.7	10	0	0	1021	11.1	2.48	23	
17-04-23 9:46	0	0	20.7	10	0	0	1021	11.1	2.47	22	
17-04-23 10:46	0	0	20.7	10	0	0	1022	11.1	2.47	24	
17-04-23 11:46	0	0	20.7	10	0	0	1022	11.1	2.48	24	
17-04-23 12:23	0	0	18.5	33	0	0	1022	19.1	2.48	22	
17-04-23 13:23	0	0	21.4	12	0	0	1022	14.2	2.47	24	
17-04-23 14:23	0	0	21	13	0	0	1022	12.2	2.48	23	
17-04-23 15:23	0	0	20.8	11	0	0	1022	11.6	2.47	23	
17-04-23 16:23	0	0	20.8	8	0	0	1022	11.4	2.47	22	
17-04-23 17:23	0	0	20.7	8	0	0	1022	11.4	2.47	23	
17-04-23 18:23	0	0	20.7	7	0	0	1022	11.4	2.47	22	
17-04-23 19:23	0	0	20.7	6	0	0	1022	11.4	2.47	21	
17-04-23 20:23	0	0	20.7	6	0	0	1023	11.5	2.46	22	
17-04-23 21:23	0	0	20.7	6	0	0	1023	11.5	2.46	23	
17-04-23 22:23	0	0	20.7	6	0	0	1024	11.6	2.46	22	
17-04-23 23:23	0	0	20.7	5	0	0	1024	11.6	2.47	23	
18-04-23 0:23	0	0	20.7	5	0	0	1024	11.6	2.46	22	
18-04-23 1:23	0	0	20.7	5	0	0	1024	11.7	2.46	22	
18-04-23 2:23	0	0	20.8	5	0	0	1024	11.7	2.46	22	
18-04-23 3:23	0	0	20.7	6	0	0	1024	11.7	2.46	23	
18-04-23 4:23	0	0	20.8	6	0	0	1025	11.7	2.45	23	
18-04-23 5:23	0	0	20.7	5	0	0	1025	11.7	2.45	22	
18-04-23 6:23	0	0	20.8	5	0	0	1025	11.7	2.45	23	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
18-04-23 7:23	0	0	20.8	5	0	0	1025	11.6	2.45	22	
18-04-23 8:23	0	0	20.8	6	0	0	1025	11.6	2.44	22	
18-04-23 9:23	0	0	20.7	5	0	0	1025	11.6	2.43	22	
18-04-23 10:23	0	0	20.7	6	0	0	1025	11.6	2.44	23	
18-04-23 11:23	0	0	20.7	6	0	0	1024	11.5	2.45	23	
18-04-23 12:23	0	0	20.7	6	0	0	1024	11.5	2.46	23	
18-04-23 13:23	0	0	20.7	6	0	0	1024	11.4	2.44	22	
18-04-23 14:23	0	0	20.7	6	0	0	1024	11.4	2.45	24	
18-04-23 15:23	0	0	20.7	6	0	0	1023	11.4	2.43	22	
18-04-23 16:23	0	0	20.7	6	0	0	1023	11.5	2.44	22	
18-04-23 17:23	0	0	20.7	6	0	0	1023	11.5	2.45	22	
18-04-23 18:23	0	0	20.7	6	0	0	1023	11.6	2.45	23	
18-04-23 19:23	0	0	20.7	6	0	0	1023	11.7	2.44	23	
18-04-23 20:23	0	0	20.7	5	0	0	1023	11.8	2.43	22	
18-04-23 21:23	0	0	20.7	5	0	0	1023	11.9	2.43	23	
18-04-23 22:23	0	0	20.7	5	0	0	1024	12	2.42	22	
18-04-23 23:23	0	0	20.7	5	0	0	1024	12.1	2.44	22	
19-04-23 0:23	0	0	20.7	4	0	0	1024	12.2	2.44	22	
19-04-23 1:23	0	0	20.7	4	0	0	1024	12.3	2.43	23	
19-04-23 2:23	0	0	20.7	4	0	0	1023	12.3	2.42	23	
19-04-23 3:23	0	0	20.7	4	0	0	1023	12.4	2.42	22	
19-04-23 4:23	0	0	20.7	4	0	0	1023	12.4	2.42	24	
19-04-23 5:23	0	0	20.7	4	0	0	1022	12.4	2.42	23	
19-04-23 6:23	0	0	20.7	4	0	0	1022	12.4	2.45	23	
19-04-23 7:23	0	0	20.7	4	0	0	1023	12.4	2.41	24	
19-04-23 8:23	0	0	20.8	4	0	0	1023	12.4	2.4	24	
19-04-23 9:23	0	0	20.7	4	0	0	1023	12.4	2.41	23	
19-04-23 10:23	0	0	20.8	4	0	0	1023	12.3	2.4	23	
19-04-23 11:23	0	0	20.7	4	0	0	1022	12.3	2.4	23	
19-04-23 12:23	0	0	20.7	5	0	0	1022	12.3	2.4	21	
19-04-23 13:23	0	0	20.7	5	0	0	1022	12.3	2.4	23	
19-04-23 14:23	0	0	20.6	5	0	0	1021	12.2	2.41	21	
19-04-23 15:23	0	0	20.3	4	0	0	1021	12.2	2.4	23	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
19-04-23 16:23	0	0	20.1	5	0	0	1021	12.2	2.39	23	
19-04-23 17:23	0	0	19.6	5	0	0	1021	12.2	2.39	24	
19-04-23 18:23	0	0	19.3	5	0	0	1021	12.3	2.4	21	
19-04-23 19:23	0	0	19.3	5	0	0	1021	12.3	2.4	23	
19-04-23 20:23	0	0	20.6	5	0	0	1022	12.3	2.38	24	
19-04-23 21:23	0	0	20.7	4	0	0	1022	12.4	2.38	23	
19-04-23 22:23	0	0	20.7	4	0	0	1022	12.5	2.38	22	
19-04-23 23:23	0	0	20.7	4	0	0	1022	12.6	2.39	23	
20-04-23 0:23	0	0	20.7	4	0	0	1021	12.6	2.38	23	
20-04-23 1:23	0	0	20.7	4	0	0	1021	12.6	2.37	21	
20-04-23 2:23	0	0	20.6	4	0	0	1021	12.7	2.38	23	
20-04-23 3:23	0	0	20.1	4	0	0	1021	12.7	2.38	22	
20-04-23 4:23	0	0	19.7	4	0	0	1021	12.8	2.36	22	
20-04-23 5:23	0	0	19.5	4	0	0	1020	12.7	2.37	21	
20-04-23 6:23	0	0	19.2	4	0	0	1021	12.7	2.36	22	
20-04-23 7:23	0	0	19.2	4	0	0	1021	12.7	2.36	24	
20-04-23 8:23	0	0	19.1	4	0	0	1021	12.6	2.34	23	
20-04-23 9:23	0	0	19	4	0	0	1021	12.6	2.34	23	
20-04-23 10:23	0	0	18.8	4	0	0	1020	12.6	2.33	21	
20-04-23 11:23	0	0	18.5	4	0	0	1020	12.5	2.34	22	
20-04-23 12:23	0	0	17.9	4	0	0	1019	12.4	2.33	23	
20-04-23 13:23	0	0	17.5	4	0	0	1018	12.4	2.33	21	
20-04-23 14:23	0	0	17.2	4	0	0	1018	12.4	2.33	23	
20-04-23 15:23	0	0	17	4	0	0	1017	12.4	2.32	23	
20-04-23 16:23	0	0	16.9	4	0	0	1017	12.4	2.33	22	
20-04-23 17:23	0	0	16.7	4	0	0	1016	12.4	2.32	23	
20-04-23 18:23	0	0	16.7	4	0	0	1016	12.4	2.26	24	
20-04-23 19:23	0	0	16.6	4	0	0	1016	12.4	2.31	22	
20-04-23 20:23	0	0	16.6	2	0	0	1015	12.6	2.29	22	
20-04-23 21:23	0	0	16.6	2	0	0	1015	12.6	2.29	23	
20-04-23 22:23	0	0	16.5	4	0	0	1015	12.7	2.3	23	
20-04-23 23:23	0	0	16.5	2	0	0	1015	12.8	2.29	23	
21-04-23 0:23	0	0	16.4	2	0	0	1015	12.9	2.29	22	

Continuous Ground Gas Monitoring Data



Client:	DOMIS CONSTRUCTION LTD										
Job No:	C5313										
Site:	BRWRY, MANCHESTER										
Location:	BH106 Deep (BSL)										
Date and Time	CH ₄ (% v/v)	CO ₂ (% v/v)	O ₂ (% v/v)	VOC (PPM)	H ₂ S (PPM)	CO (PPM)	Bore press (mb)	Temp °C	Battery (V)	Filter press (mb)	
21-04-23 1:23	0	0	16.3	2	0	0	1014	12.9	2.28	23	
21-04-23 2:23	0	0	16.3	2	0	0	1013	13	2.27	23	
21-04-23 3:23	0	0	16.2	2	0	0	1013	13	2.27	22	
21-04-23 4:23	0	0.1	16.2	2	0	0	1012	13.1	2.25	23	
21-04-23 5:23	0	0.1	16.1	2	0	0	1011	13.1	2.27	23	
21-04-23 6:23	0	0.1	16	2	0	0	1010	13.1	2.23	22	
21-04-23 7:23	0	0.1	16	2	0	0	1010	13.1	2.22	23	
21-04-23 8:23	0	0.1	15.9	2	0	0	1009	13	2.19	22	
21-04-23 9:23	0	0.1	15.9	2	0	0	1008	13	2.19	22	
21-04-23 10:23	0	0.1	15.8	2	0	0	1008	13	2.17	22	
21-04-23 11:23	0	0.1	15.8	2	0	0	1007	12.9	2.16	22	
21-04-23 12:23	0	0.1	15.8	2	0	0	1007	12.9	2.14	23	
21-04-23 13:23	0	0.1	15.7	2	0	0	1006	12.9	2.12	22	
21-04-23 14:23	0	0.1	15.7	2	0	0	1006	12.9	2.13	23	
21-04-23 15:23	0	0.1	15.6	2	0	0	1006	12.9	2.06	22	
21-04-23 16:23	0	0.3	15.6	2	0	0	1005	12.9	2.01	21	
21-04-23 17:23	0	0.3	15.6	2	0	0	1005	12.9	1.81	22	



Life-saving solutions

CERTIFICATE OF CALIBRATION

GasClam

CALIBRATION CERTIFICATE NO:

ISSUED BY: SHAWCITY LIMITED

DATE: 29/03/2023

APPROVED SIGNATORY:

NAME: Joe Herbert

CUSTOMER: Shawcity Ltd

INSTRUMENT: GasClam

SERIAL NUMBER: 000424/06/13

CALIBRATION METHOD: CM14

AMBIENT CONDITIONS: 20°C ± 2°C and 50% (± 20%) RH

Prior to calibration the instrument was allowed to stabilise in the laboratory for at least 30 minutes.

The instrument was calibrated by exposing the sensor to known values of gas concentrations.

All gases were sampled through the complete probe and in line filter, where applicable.

The reference values are those generated by the certified source and the indicated values are those measured by the instrument.

CALIBRATION RESULTS

GAS/SOURCE	LOT No	REF. VALUE	INDICATED VALUE
Barometric Pressure	Digitron 2025P	991/1203mbar	991/1203mbar
Borehole Pressure	Digitron 2025P	991/1215mbar	991/1215mbar
Oxygen	Ambient Air	20.9% O ₂	20.9% O ₂
Isobutylene	WO387921-2	100 ppm	100 ppm
Methane	WO376160-4	60.00%	60.00%
Carbon Monoxide	WO258962-2	50 ppm	50 ppm
Hydrogen Sulphide	WO369370-1	50 ppm	50 ppm
Carbon Dioxide	WO376160-4	40%	40%

COMMENTS:

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$.

This provides a level of confidence of uncertainty of approximately 95%.

The uncertainty of measurement is ±2 %

The results indicate that the instrument conforms to the applicable parts of the published specification.

HEALTH & SAFETY, OCCUPATIONAL HYGIENE AND ENVIRONMENTAL MONITORING INSTRUMENTS

Tel: 01793 780622
www.shawcity.co.uk

Instrument House, 91-92 Shrivenham Hundred
Business Park



Life-saving solutions

GasClam

CALIBRATION CERTIFICATE NO: 75264

ISSUED BY: SHAWCITY LIMITED

DATE: 29/03/2023

APPROVED SIGNATORY:

NAME: Joe Herbert

CUSTOMER: Shawcity Ltd

INSTRUMENT: GasClam

SERIAL NUMBER: 000419/06/13

CALIBRATION METHOD: CM14

AMBIENT CONDITIONS: 20°C ± 2°C and 50% (± 20%) RH

Prior to calibration the instrument was allowed to stabilise in the laboratory for at least 30 minutes.

The instrument was calibrated by exposing the sensor to known values of gas concentrations.

All gases were sampled through the complete probe and in line filter, where applicable.

The reference values are those generated by the certified source and the indicated values are those measured by the instrument.

CALIBRATION RESULTS

GAS/SOURCE	LOT No	REF. VALUE	INDICATED VALUE
Barometric Pressure	Digitron 2025P	991/1205mbar	991/1205mbar
Borehole Pressure	Digitron 2025P	991/1201mbar	991/1201mbar
Oxygen	Ambient Air	20.9% O ₂	20.9% O ₂
Isobutylene	WO387921-2	100 ppm	100 ppm
Methane	WO376160-4	60.00%	60.00%
Carbon Monoxide	WO258962-2	50 ppm	50 ppm
Hydrogen Sulphide	WO369370-1	50 ppm	50 ppm
Carbon Dioxide	WO376160-4	40%	40%

COMMENTS:

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k=2$.

This provides a level of confidence of uncertainty of approximately 95%.

The uncertainty of measurement is ± 2 %

The results indicate that the instrument conforms to the applicable parts of the published specification.

HEALTH & SAFETY, OCCUPATIONAL HYGIENE AND ENVIRONMENTAL MONITORING INSTRUMENTS

Tel: 01793 780622

www.shawcity.co.uk

Instrument House, 91-92 Shrivenham Hundred
Business Park

PARTS REQUIRED FOR JOB NUMBER:

75264

CALIBRATION CERTIFICATE NO:

ISSUED BY: SHAWCITY LIMITED
DATE: 29/03/2023

APPROVED SIGNATORY: 

NAME: Joe Herbert

CUSTOMER: Shawcity Hire
INSTRUMENT: GasClam
SERIAL NUMBER: 000422/06/13

CALIBRATION METHOD: CM14
AMBIENT CONDITIONS: 20°C ± 2°C and 50% (± 20%) RH

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

CALIBRATION RESULTS

GAS/SOURCE	LOT No	REF. VALUE	INDICATED VALUE
Barometric Pressure	Digitron 2025P	991/1196mbar	991/1196mbar
Borehole Pressure	Digitron 2025P	991/1201mbar	991/1201mbar
Oxygen	Ambient Air	20.9% O ₂	20.9% O ₂
Isobutylene	WO387921-2	100 ppm	100 ppm
Methane	WO376160-4	60.00%	60.00%
Carbon Monoxide	WO258962-2	50 ppm	50 ppm
Hydrogen Sulphide	WO369370-1	50 ppm	50 ppm
Carbon Dioxide	WO376160-4	40%	40%

COMMENTS:

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

HEALTH & SAFETY, OCCUPATIONAL HYGIENE AND ENVIRONMENTAL MONITORING INSTRUMENTS

CALIBRATION CERTIFICATE



Date of Calibration: - 20th July 2022

Certificate Number: - 261601

Calibrated by: - P Kovacs

Signed: - Kovacs

Customer: - Shawcity Limited

Description: - Tiger^{LT}

Manufacturer: - ION Science Ltd

Type Number: - N/A

Serial Number: - T-119478

Service Due date: - July 2023

This instrument has been factory calibrated to fully documented procedures in accordance with our ISO 9001:2015 Quality Management System.

Measurement standards are derived from volumetric and time sources which have been calibrated at an accredited laboratory traceable to National or International standards. The following list indicates the serial numbers of equipment used during the calibration procedure.

BAR02	C9559 / A14353 ¹	C9568 / A14744 ¹			
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¹ Gas mixtures prepared using equipment traceable to N.P.L. standards against Suppliers Certificate No.

The instrument has been calibrated at a temperature of 21.2°C ± 0.25°C and a barometric pressure of 1011.7 mbar ± 2 mbar.

ION Science hereby certify that on the day of calibration the instrument was working according to the manufacturer's original sales specification as checked by the calibration procedure, unless otherwise stated.

Copies of this certificate may only be reproduced in full.

Calibrations are valid as certified only on date of Calibration. For correct instrument operation please see the User Manual.

RESULTS ON DESPATCH

Applied Concentration	Instrument Indication
101.6 ppm Isobutylene	101.4 ppm Isobutylene
4932.4 ppm Isobutylene	4935 ppm Isobutylene

The estimated applied gas uncertainty is ± 2.0%

Comments: -

PD-FM-115-05

Unrivalled Gas Detection.

ION Science Ltd, The Hive, Butts Lane, Fowlmere, Cambs, SG8 7SL, UK

T +44 (0)1763 208503

E info@ionscience.com

W ionscience.com





CHECKLIST FOR

PHOCHECK TIGER^{LT} PRODUCT

KIT CONTENTS

Tiger ^{LT} Instrument	/
Li-ion Battery Pack	/
Instrument Boot	/
Charger	/
Power Supply (12V)	/
Warranty Registration Card	/
Safety Notice for Tiger Instrument	/
USB Cable	/
Accessory Kit	/

QUALITY CHECK

Firmware version:	0.6.01
Integrity seal present?	☒ Yes / No

Final instrument inspection date:	7/6/2022	20/07/2022
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PD-FM-116-03

Unrivalled Gas Detection.

ION Science Ltd, The Hive, Butts Lane, Fowlmere, Cambs, SG8 7SL, UK

T +44 (0)1763 208503

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W ionscience.com



TEST DATE AND CONDITIONS	
Date	23/01/23
Atmospheric pressure	1023 mb
Ambient Temp	20.1 °C
EnviroNics Serial No.	2518

GAS DATA LTD
Unit 4 Fairfield court
Seven Stars Estate
Coventry
CV3 4LJ, UK
+44 (0) 24 7630 3311



GFM436-1 OUTWARD INSPECTION & QUALITY CHECK SHEET

INSTRUMENT DETAILS					
SO Number	Instrument Banner	Instrument Serial Number + SW Version	Job Number(s)		
333016	GFM 436	13233 V27.10	24706	—	—

Calibration Technician *[Signature]*

DATE 19/1/23

Inspection Technician *[Signature]*

DATE 23/01/23

INSTRUMENT CHECKS		Pass (P), Fail (F) or not applicable(NA)	INSTRUMENT PACKING LIST		Tick if included
Function Tests	Dust Caps Fitted	P	Instrument		✓
	Keyboard Test (All keys)	P	Leather Case		✓
	Backlight Test	P	Instrument Strap		✓
	Clock Set / Running	P	AC Battery Charger (UK)		✓
	Comms Test	P	AC Battery Charger (EURO)		X
	Pump Flow Test (In & Out)	P	AC Battery Charger (US)		X
	Overall Leak Test (30mb)	N/A	AC Battery Charger (AUS)		X
	Battery Charge Test	P	Gas Sample Pipe		X
	Service Date set to?	19/01/24	Hard Carry Case		✓
Channel Tests	Data Logging Enabled?	P	Spares Pot		X
	Verify CH4/LEL/Hexane/PID	P	Allen Key		X
	Verify CO2	P	Flow Sample Pipe		X
	Verify O2	P	Temperature Probe		X
	Verify H2S	P	Vane Anemometer		X
	Verify CO	P	USB Cable		✓
	Verify LEL	P	USB Memory Stick		✓
	Verify 1st Option gas	N/A	SM V5 Software	Ver 6.05	✓
	Verify atmospheric pressure	P	Internal Filter Pack	Qty	X
	Verify differential pressure	P	External Filter Pack	Qty	X
	Verify flow	P	Field Guide		X
	Verify temperature probe input	P	EX Safety Flier		X
	Verify vane anemometer input	P	Extra Items: SERVICE SPARES CUSTOMER: FILTER & PART SAMPLE PIPE		
DataBase Checks	Jobcard(s) completed and signed	P			
	Jobcard(s) booked off database	P			
	Calibration certificate completed	P			
	Complete & print QI record	N/A			
Label Checks	No. of Calibration label fitted	12216	Comments		
	MCERTS label not displayed	P			
	Warranty label fitted	P			
H2S Range	H2S Range from SO	5000 ppm			
	H2S Range from cal cert	5000 ppm			
	Over-range value correct?	P			

TEST DATE AND CONDITIONS	
Date	18/1/23
Atmospheric pressure	985mb
Ambient Temp	22.2°C
EnviroNics Serial No.	2633

GAS DATA LTD
Unit 4 Fairfield court
Seven Stars Estate
Coventry
CV3 4LJ, UK
+44 (0) 24 7630 3311



GFM436-1 FINAL INSPECTION & CALIBRATION CHECK CERTIFICATE

INSTRUMENT DETAILS	
Serial No	Customer
13233	Brownfield Solutions Ltd

INSTRUMENT CHECKS			
Keyboard	✓	Pump Flow	500cc/min
Display Contrast	✓	Pump Flow @ -200mB	350cc/min
Clock Set / Running	✓	S/W Version	G436-00.0027/0010
Labels Fitted	✓	Recalibration Date	19/1/24

GAS CHECKS							
Calibration Gas		Instrument Gas Channels Read					
Gas Type	Applied Conc.	CH4 (%)	tol. (% vol.)	CO2 (%)	tol. (% vol.)	O2 (%)	tol. (% vol.)
N2	100%	0.0	0.0	0.0	0.0	0.0	+/-0.1
CH4	5%	5.0	+/-0.3	0.0	0.0	0.0	+/-0.1
	60%	60.3	+/-3.0	0.0	0.0	0.0	+/-0.1
CO2	5%	0.0	0.0	4.9	+/-0.3	0.0	+/-0.1
	40%	0.0	0.0	39.9	+/-3.0	0.0	+/-0.1
O2	20.9%	0.0	0.0	0.0	+0.1	20.9	+/-0.5

OPTIONAL GAS CHECKS								
Calibration Gas		Instrument Gas Channels Read						
Gas Type	Applied Conc.	Label	H2S	CO			Hexane	tol. (% vol.)
		Range	5000ppm	2000ppm			2.00%	
N2	100%		0	0			0.000	0.0
H2S	1500ppm		1510	0				+/- 5.0
CO	1000ppm		60	1000				+/- 5.0
Hexane	2.00%						1.935	+/- 10.0

PRESSURE CHECKS							
Calibration Pressure		Instrument Pressure Channels Read					
Pressure @	Applied Pressure	Atmospheric [Ap] (mB)	tol. (mB)				
All Ports	Current Atmospheric	986	+/-2.0				
Ap Port (Internal)	+800mB(a)	799	+/-5.0				
	+1200mB(a)	1198	+/-5.0				

TEST DATE AND CONDITIONS	
Date	18/1/23
Atmospheric pressure	985mb
Ambient Temp	22.2°C
Enviroics Serial No.	2633

GAS DATA LTD	 GAS DATA LISTEN · ANALYSE · INFORM
Unit 4 Fairfield court	
Seven Stars Estate	
Coventry	
CV3 4LJ, UK	
+44 (0) 24 7630 3311	

GFM436-1 FINAL INSPECTION & CALIBRATION CHECK CERTIFICATE

FLOW CHECKS					
Calibration Flow		Instrument Flow Channels Read			
Applied Flow (l/hour)	Applied Pressure (Pa)	Flow [Flow] (l/hour)	tol. (l/hour)	Differential Pressure [Dp] (Pa)	tol. (Pa)
-30.0	-405	30.0	+/-3.0	-406	+/-50
-3.0	-17	-3.0	+/-1.0	-18	+/-6
0.0	0	0.0	0.0	0	0.0
+3.0	15	3.1	+/-0.5	16	+/-3
+30.0	321	30.1	+/-3.0	320	+/-50
+60.0	961	60.0	+/-6.0	960	+/-130
+90.0	1906	90.7	+/-9.0	1949	+/-250

TEMPERATURE CHECK		
Calibration Temperature	Instrument Temperature Channel Read	
Applied Equivalent Temperature (°C)	Temperature [Temp] (°C)	tol. (°C)
-10.0	-10.0	+/- 2.0
0.0	0.0	+/- 1.0
30.0	29.5	+/- 1.0
60.0	59.5	+/- 1.0
100.0	99.0	+/- 1.0

Notes:

The instrument identified by the serial number stated above has been tested by Gas Data personnel for calibration accuracy on the date and under the ambient conditions stated. Gas Data Ltd internal BS EN ISO9001:2015, BS EN ISO 14001:2015 and BS EN ISO 45001:2018 compliant workshop procedures were followed to apply known calibration test gases, gas flow rates, pressures and temperatures of the values stated. The results displayed on the instrument at each stage are recorded above.

Gas Data Ltd is certified to: BS EN ISO 9001:2015
 BS EN ISO 14001:2015
 BS EN ISO 45001:2018

APPENDIX F

Waste Assessment Report

Waste Classification Report

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

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



FR9LA-ZD7SG-A6YQY

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

Job name

C5313 BRWRY

Description/Comments

Project

C5313

Site

BRWRY

Classified by

Name: **Jack Mather**
 Date: **27 Apr 2023 12:28 GMT**
 Telephone: **01606334844**
 Company: **Brownfield Solutions Limited**
173-183 Witton Street
Northwich
CW9 5LP

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

Date

09 Feb 2023

Next 3 year Refresher due by Feb 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

Dutton Street, Manchester

Post Code M3 1LD

SIC for the process giving rise to the waste

41100 Development of building projects

Description of industry/producer giving rise to the waste

Redevelopment of brownfield site (former Boddingtons Brewery, since demolished) for construction of mixed commercial and high rise residential

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

Waste created during construction excavations, cut and fill exercises and excavations for offsite disposal if needed

Description of the waste

"Mix of made ground strata comprising lightly gravelly slightly sandy clay or slightly gravelly clayey fine to coarse sand and also 2 samples of natural clay"



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH101	0.30-0.70	Non Hazardous		3
2	BH102	0.00-0.20	Non Hazardous		5
3	BH102[2]	0.50-1.00	Non Hazardous		7
4	BH103	0.70-1.00	Hazardous	HP 7	9
5	BH104[2]	0.80-1.20	Non Hazardous		12
6	BH105	0.20-0.50	Non Hazardous		14
7	BH106	0.50-1.00	Non Hazardous		16
8	TT102	0.20-0.30	Non Hazardous		18
9	WS104A	0.30-0.40	Hazardous	HP 14	20
10	WS105	0.30-0.50	Hazardous	HP 3(i), HP 7, HP 11	23
11	TP102	0.50-0.60	Hazardous	HP 7	26
12	TP103	0.20-0.30	Non Hazardous		28
13	TP105	0.40-0.50	Non Hazardous		30
14	WELL C	0.20-0.30	Non Hazardous		32
15	TP2	0.2	Hazardous	HP 8	34
16	TP2[2]	0.9	Hazardous	HP 7	36
17	TP4	1	Non Hazardous		38
18	TP6	0.40-0.50	Hazardous	HP 3(i), HP 7, HP 11	40
19	TP8	1	Non Hazardous		43
20	TP10	1	Non Hazardous		45
21	BH6	0.5	Non Hazardous		47
22	BH7	0.8	Non Hazardous		49
23	TP1	0.6	Non Hazardous		51
24	TP5	0.3	Non Hazardous		53
25	BH4	0.5	Hazardous	HP 3(i), HP 7, HP 11	55
26	BH7[2]	0.5	Non Hazardous		58
27	BH9	0.5	Non Hazardous		60
28	BH2	0.4	Non Hazardous		62
29	BH5	0.95	Non Hazardous		64
30	TP3	0.7	Non Hazardous		66

Related documents

#	Name	Description
1	BSL Suite	waste stream template used to create this Job

Report

Created by: Jack Mather

Created date: 27 Apr 2023 12:28 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	68
Appendix B: Rationale for selection of metal species	69
Appendix C: Version	69



Classification of sample: BH101

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

Sample details

Sample name:	LoW Code:	
BH101	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.30-0.70 m		
Moisture content:		
12%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 12% 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	pH				8.4 pH		8.4	pH	8.4 pH		
2	arsenic { arsenic trioxide }				30 mg/kg	1.32	34.857	mg/kg	0.00349 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.3 mg/kg	1.285	1.47	mg/kg	0.000114 %	✓	
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	19.293	mg/kg	0.00193 %	✓	
		215-160-9	1308-38-9								
6	copper { dicopper oxide; copper (I) oxide }				100 mg/kg	1.126	99.078	mg/kg	0.00991 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	150 mg/kg	1.56	205.896	mg/kg	0.0132 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
8	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								
9	nickel { nickel dihydroxide }				25 mg/kg	1.579	34.749	mg/kg	0.00347 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8										
11	zinc { zinc sulphate }				220 mg/kg	2.469	478.056	mg/kg	0.0478 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]								
12	naphthalene				0.36 mg/kg		0.317	mg/kg	0.0000317 %	✓	
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.11 mg/kg		0.0968	mg/kg	0.00000968 %	✓	
		205-917-1	208-96-8								
14	acenaphthene				0.51 mg/kg		0.449	mg/kg	0.0000449 %	✓	
		201-469-6	83-32-9								



#	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							
15	fluorene	201-695-5	86-73-7		0.41 mg/kg		0.361 mg/kg	0.0000361 %	✓	
16	phenanthrene	201-581-5	85-01-8		4.2 mg/kg		3.696 mg/kg	0.00037 %	✓	
17	anthracene	204-371-1	120-12-7		0.94 mg/kg		0.827 mg/kg	0.0000827 %	✓	
18	fluoranthene	205-912-4	206-44-0		6.4 mg/kg		5.632 mg/kg	0.000563 %	✓	
19	pyrene	204-927-3	129-00-0		6.1 mg/kg		5.368 mg/kg	0.000537 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.7 mg/kg		2.376 mg/kg	0.000238 %	✓	
21	chrysene	601-048-00-0	205-923-4		3 mg/kg		2.64 mg/kg	0.000264 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3 mg/kg		2.64 mg/kg	0.000264 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.2 mg/kg		1.056 mg/kg	0.000106 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.5 mg/kg		2.2 mg/kg	0.00022 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.6 mg/kg		1.408 mg/kg	0.000141 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.33 mg/kg		0.29 mg/kg	0.000029 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		1.9 mg/kg		1.672 mg/kg	0.000167 %	✓	
28	TPH (C6 to C40) petroleum group		TPH		393.3 mg/kg		346.104 mg/kg	0.0346 %	✓	
29	benzene	601-020-00-8	200-753-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
30	toluene	601-021-00-3	203-625-9		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
Total:								0.118 %		

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

Force this Hazardous property to non hazardous because The absence of a free draining liquid and the relatively low concentrations of short-chain hydrocarbons reported indicates that this hazard property is not applicable to this waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0346%)



Classification of sample: BH102

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

Sample details

Sample name:	LoW Code:	
BH102	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.00-0.20 m		
Moisture content:		
26%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 26% 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	pH				8 pH		8	pH	8pH		
2	arsenic { arsenic trioxide }				11 mg/kg	1.32	10.747	mg/kg	0.00107 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.3 mg/kg	1.285	1.236	mg/kg	0.0000962 %	✓	
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	17.305	mg/kg	0.00173 %	✓	
		215-160-9	1308-38-9								
6	copper { dicopper oxide; copper (I) oxide }				70 mg/kg	1.126	58.321	mg/kg	0.00583 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	390 mg/kg	1.56	450.163	mg/kg	0.0289 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				0.8 mg/kg	1.353	0.801	mg/kg	0.0000801 %	✓	
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				14 mg/kg	1.579	16.364	mg/kg	0.00164 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8										
11	zinc { zinc sulphate }				220 mg/kg	2.469	402.001	mg/kg	0.0402 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]								
12	naphthalene				<0.05 mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.12 mg/kg		0.0888	mg/kg	0.00000888 %	✓	
		205-917-1	208-96-8								
14	acenaphthene				0.36 mg/kg		0.266	mg/kg	0.0000266 %	✓	
		201-469-6	83-32-9								



#	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							
15	fluorene	201-695-5	86-73-7		0.29 mg/kg		0.215 mg/kg	0.0000215 %	✓	
16	phenanthrene	201-581-5	85-01-8		3.4 mg/kg		2.516 mg/kg	0.000252 %	✓	
17	anthracene	204-371-1	120-12-7		0.75 mg/kg		0.555 mg/kg	0.0000555 %	✓	
18	fluoranthene	205-912-4	206-44-0		5.4 mg/kg		3.996 mg/kg	0.0004 %	✓	
19	pyrene	204-927-3	129-00-0		5.2 mg/kg		3.848 mg/kg	0.000385 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.5 mg/kg		1.85 mg/kg	0.000185 %	✓	
21	chrysene	601-048-00-0	205-923-4		2.4 mg/kg		1.776 mg/kg	0.000178 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		2.9 mg/kg		2.146 mg/kg	0.000215 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.2 mg/kg		0.888 mg/kg	0.0000888 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.5 mg/kg		1.85 mg/kg	0.000185 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.4 mg/kg		1.036 mg/kg	0.000104 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.34 mg/kg		0.252 mg/kg	0.0000252 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		1.6 mg/kg		1.184 mg/kg	0.000118 %	✓	
28	asbestos	650-013-00-6	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		970 mg/kg		717.8 mg/kg	0.0718 %	✓	
Total:								0.154 %		

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



Classification of sample: BH102[2]

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

Sample details

Sample name:	LoW Code:
BH102[2]	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.50-1.00 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
18%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 18% 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	pH				8.3 pH		8.3	pH	8.3 pH		
2	arsenic { arsenic trioxide }				16 mg/kg	1.32	17.323	mg/kg	0.00173 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	1.3 mg/kg	1.285	1.37	mg/kg	0.000107 %	✓	
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27 mg/kg	1.462	32.359	mg/kg	0.00324 %	✓	
		215-160-9	1308-38-9								
6	copper { dicopper oxide; copper (I) oxide }				230 mg/kg	1.126	212.343	mg/kg	0.0212 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	740 mg/kg	1.56	946.496	mg/kg	0.0607 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				2.4 mg/kg	1.353	2.664	mg/kg	0.000266 %	✓	
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				23 mg/kg	1.579	29.789	mg/kg	0.00298 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8										
11	zinc { zinc sulphate }				490 mg/kg	2.469	992.163	mg/kg	0.0992 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]								
12	naphthalene				<0.05 mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				<0.05 mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8								
14	acenaphthene				<0.05 mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9								



#	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							
15	fluorene	201-695-5	86-73-7		0.07 mg/kg		0.0574 mg/kg	0.00000574 %	✓	
16	phenanthrene	201-581-5	85-01-8		0.9 mg/kg		0.738 mg/kg	0.0000738 %	✓	
17	anthracene	204-371-1	120-12-7		0.18 mg/kg		0.148 mg/kg	0.0000148 %	✓	
18	fluoranthene	205-912-4	206-44-0		1.2 mg/kg		0.984 mg/kg	0.0000984 %	✓	
19	pyrene	204-927-3	129-00-0		1.1 mg/kg		0.902 mg/kg	0.0000902 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.52 mg/kg		0.426 mg/kg	0.0000426 %	✓	
21	chrysene	601-048-00-0	205-923-4		0.54 mg/kg		0.443 mg/kg	0.0000443 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.6 mg/kg		0.492 mg/kg	0.0000492 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.32 mg/kg		0.262 mg/kg	0.0000262 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.53 mg/kg		0.435 mg/kg	0.0000435 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.34 mg/kg		0.279 mg/kg	0.0000279 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		0.37 mg/kg		0.303 mg/kg	0.0000303 %	✓	
28	TPH (C6 to C40) petroleum group		TPH		22 mg/kg		18.04 mg/kg	0.0018 %	✓	
29	benzene	601-020-00-8	200-753-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
30	toluene	601-021-00-3	203-625-9		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
Total:								0.192 %		

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

Force this Hazardous property to non hazardous because The absence of a free draining liquid and the relatively low concentrations of short-chain hydrocarbons reported indicates that this hazard property is not applicable to this waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0018%)



Classification of sample: BH103

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

Sample details

Sample name:	LoW Code:
BH103	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
0.70-1.00 m	
Moisture content:	
15%	
(wet weight correction)	

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

lead chromate: (Note 1 conc.: 0.247%)

Determinands

Moisture content: 15% 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	pH				9.7	pH		9.7	pH	9.7 pH		
2	arsenic { arsenic trioxide }				29	mg/kg	1.32	32.546	mg/kg	0.00325 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				37	mg/kg	1.462	45.966	mg/kg	0.0046 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				130	mg/kg	1.126	124.411	mg/kg	0.0124 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	2900	mg/kg	1.56	3844.944	mg/kg	0.247 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	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									
9	nickel { nickel dihydroxide }				30	mg/kg	1.579	40.277	mg/kg	0.00403 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
11	zinc { zinc sulphate }				120	mg/kg	2.469	251.868	mg/kg	0.0252 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									



#	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								
12	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.25 mg/kg		0.213 mg/kg	0.0000212 %		✓	
		205-917-1	208-96-8								
14	acenaphthene				3 mg/kg		2.55 mg/kg	0.000255 %		✓	
		201-469-6	83-32-9								
15	fluorene				3.6 mg/kg		3.06 mg/kg	0.000306 %		✓	
		201-695-5	86-73-7								
16	phenanthrene				38 mg/kg		32.3 mg/kg	0.00323 %		✓	
		201-581-5	85-01-8								
17	anthracene				7.5 mg/kg		6.375 mg/kg	0.000638 %		✓	
		204-371-1	120-12-7								
18	fluoranthene				37 mg/kg		31.45 mg/kg	0.00314 %		✓	
		205-912-4	206-44-0								
19	pyrene				28 mg/kg		23.8 mg/kg	0.00238 %		✓	
		204-927-3	129-00-0								
20	benzo[a]anthracene				12 mg/kg		10.2 mg/kg	0.00102 %		✓	
	601-033-00-9	200-280-6	56-55-3								
21	chrysene				9.8 mg/kg		8.33 mg/kg	0.000833 %		✓	
	601-048-00-0	205-923-4	218-01-9								
22	benzo[b]fluoranthene				12 mg/kg		10.2 mg/kg	0.00102 %		✓	
	601-034-00-4	205-911-9	205-99-2								
23	benzo[k]fluoranthene				2.7 mg/kg		2.295 mg/kg	0.00023 %		✓	
	601-036-00-5	205-916-6	207-08-9								
24	benzo[a]pyrene; benzo[def]chrysene				9 mg/kg		7.65 mg/kg	0.000765 %		✓	
	601-032-00-3	200-028-5	50-32-8								
25	indeno[123-cd]pyrene				4.8 mg/kg		4.08 mg/kg	0.000408 %		✓	
		205-893-2	193-39-5								
26	dibenz[a,h]anthracene				1.4 mg/kg		1.19 mg/kg	0.000119 %		✓	
	601-041-00-2	200-181-8	53-70-3								
27	benzo[ghi]perylene				4.9 mg/kg		4.165 mg/kg	0.000417 %		✓	
		205-883-8	191-24-2								
28	TPH (C6 to C40) petroleum group				221.5 mg/kg		188.275 mg/kg	0.0188 %		✓	
			TPH								
29	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
30	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
31	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
32	asbestos				10 mg/kg		8.5 mg/kg	0.00085 %		✓	
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5								
Total:									0.331 %		

Key

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



Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The absence of a free draining liquid and the relatively low concentrations of short-chain hydrocarbons reported indicates that this hazard property is not applicable to this waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0188%)



Classification of sample: BH104[2]

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

Sample details

Sample name:	LoW Code:
BH104[2]	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.80-1.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
18%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 18% 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	pH		PH		8.3 pH		8.3 pH	8.3 pH		
2	arsenic { arsenic trioxide }				95 mg/kg	1.32	102.853 mg/kg	0.0103 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25 mg/kg	1.462	29.962 mg/kg	0.003 %	✓	
		215-160-9	1308-38-9							
6	copper { dicopper oxide; copper (I) oxide }				120 mg/kg	1.126	110.787 mg/kg	0.0111 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	200 mg/kg	1.56	255.81 mg/kg	0.0164 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
8	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							
9	nickel { nickel dihydroxide }				32 mg/kg	1.579	41.446 mg/kg	0.00414 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
11	zinc { zinc sulphate }				100 mg/kg	2.469	202.482 mg/kg	0.0202 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
12	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
14	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							



#	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							
15	fluorene	201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	phenanthrene	201-581-5	85-01-8		0.57 mg/kg		0.467 mg/kg	0.0000467 %	✓	
17	anthracene	204-371-1	120-12-7		0.11 mg/kg		0.0902 mg/kg	0.0000902 %	✓	
18	fluoranthene	205-912-4	206-44-0		0.83 mg/kg		0.681 mg/kg	0.0000681 %	✓	
19	pyrene	204-927-3	129-00-0		0.74 mg/kg		0.607 mg/kg	0.0000607 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.39 mg/kg		0.32 mg/kg	0.000032 %	✓	
21	chrysene	601-048-00-0	205-923-4		0.4 mg/kg		0.328 mg/kg	0.0000328 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.43 mg/kg		0.353 mg/kg	0.0000353 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.14 mg/kg		0.115 mg/kg	0.0000115 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.33 mg/kg		0.271 mg/kg	0.0000271 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.22 mg/kg		0.18 mg/kg	0.000018 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		0.22 mg/kg		0.18 mg/kg	0.000018 %	✓	
Total:								0.066 %		

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



Classification of sample: BH105

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

Sample details

Sample name:	LoW Code:
BH105	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20-0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 11% 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	pH				8.3 pH	8.3 pH		
2	arsenic { arsenic trioxide }				11 mg/kg	1.32	12.926 mg/kg	0.00129 %
3	cadmium { cadmium sulfide }				1.5 mg/kg	1.285	1.716 mg/kg	0.000133 %
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				56 mg/kg	1.462	72.844 mg/kg	0.00728 %
6	copper { dicopper oxide; copper (I) oxide }				80 mg/kg	1.126	80.163 mg/kg	0.00802 %
7	lead { lead chromate }				270 mg/kg	1.56	374.824 mg/kg	0.024 %
8	mercury { mercury dichloride }				0.3 mg/kg	1.353	0.361 mg/kg	0.0000361 %
9	nickel { nickel dihydroxide }				18 mg/kg	1.579	25.304 mg/kg	0.00253 %
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %
11	zinc { zinc sulphate }				140 mg/kg	2.469	307.674 mg/kg	0.0308 %
12	naphthalene				0.25 mg/kg		0.223 mg/kg	0.0000222 %
13	acenaphthylene				0.13 mg/kg		0.116 mg/kg	0.0000116 %
14	acenaphthene				0.53 mg/kg		0.472 mg/kg	0.0000472 %



#	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							
15	fluorene	201-695-5	86-73-7		0.55 mg/kg		0.49 mg/kg	0.000049 %	✓	
16	phenanthrene	201-581-5	85-01-8		7.1 mg/kg		6.319 mg/kg	0.000632 %	✓	
17	anthracene	204-371-1	120-12-7		1.8 mg/kg		1.602 mg/kg	0.00016 %	✓	
18	fluoranthene	205-912-4	206-44-0		7.3 mg/kg		6.497 mg/kg	0.00065 %	✓	
19	pyrene	204-927-3	129-00-0		7.2 mg/kg		6.408 mg/kg	0.000641 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		3.3 mg/kg		2.937 mg/kg	0.000294 %	✓	
21	chrysene	601-048-00-0	205-923-4		3.5 mg/kg		3.115 mg/kg	0.000312 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.4 mg/kg		3.026 mg/kg	0.000303 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.3 mg/kg		1.157 mg/kg	0.000116 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.1 mg/kg		2.759 mg/kg	0.000276 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.9 mg/kg		1.691 mg/kg	0.000169 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.51 mg/kg		0.454 mg/kg	0.0000454 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		2.4 mg/kg		2.136 mg/kg	0.000214 %	✓	
Total:								0.0784 %		

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



Classification of sample: BH106

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

Sample details

Sample name:	LoW Code:
BH106	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.50-1.00 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 13% 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	pH		PH		8.5 pH		8.5 pH	8.5 pH		
2	arsenic { arsenic trioxide }				23 mg/kg	1.32	26.42 mg/kg	0.00264 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.3 mg/kg	1.285	1.454 mg/kg	0.000113 %	✓	
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27 mg/kg	1.462	34.332 mg/kg	0.00343 %	✓	
		215-160-9	1308-38-9							
6	copper { dicopper oxide; copper (I) oxide }				93 mg/kg	1.126	91.096 mg/kg	0.00911 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	490 mg/kg	1.56	664.949 mg/kg	0.0426 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.6 mg/kg	1.353	0.707 mg/kg	0.0000707 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				40 mg/kg	1.579	54.967 mg/kg	0.0055 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
11	zinc { zinc sulphate }				440 mg/kg	2.469	945.247 mg/kg	0.0945 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
12	naphthalene				0.35 mg/kg		0.305 mg/kg	0.0000305 %	✓	
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.1 mg/kg		0.087 mg/kg	0.0000087 %	✓	
		205-917-1	208-96-8							
14	acenaphthene				1.3 mg/kg		1.131 mg/kg	0.000113 %	✓	
		201-469-6	83-32-9							



#	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							
15	fluorene	201-695-5	86-73-7		1 mg/kg		0.87 mg/kg	0.000087 %	✓	
16	phenanthrene	201-581-5	85-01-8		23 mg/kg		20.01 mg/kg	0.002 %	✓	
17	anthracene	204-371-1	120-12-7		5.5 mg/kg		4.785 mg/kg	0.000479 %	✓	
18	fluoranthene	205-912-4	206-44-0		40 mg/kg		34.8 mg/kg	0.00348 %	✓	
19	pyrene	204-927-3	129-00-0		39 mg/kg		33.93 mg/kg	0.00339 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		19 mg/kg		16.53 mg/kg	0.00165 %	✓	
21	chrysene	601-048-00-0	205-923-4		17 mg/kg		14.79 mg/kg	0.00148 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		19 mg/kg		16.53 mg/kg	0.00165 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		6.3 mg/kg		5.481 mg/kg	0.000548 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		16 mg/kg		13.92 mg/kg	0.00139 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		6.5 mg/kg		5.655 mg/kg	0.000566 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		2.2 mg/kg		1.914 mg/kg	0.000191 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		7.9 mg/kg		6.873 mg/kg	0.000687 %	✓	
28	TPH (C6 to C40) petroleum group		TPH		264.9 mg/kg		230.463 mg/kg	0.023 %	✓	
29	benzene	601-020-00-8	200-753-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
30	toluene	601-021-00-3	203-625-9		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
Total:								0.199 %		

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

Force this Hazardous property to non hazardous because The absence of a free draining liquid and the relatively low concentrations of short-chain hydrocarbons reported indicates that this hazard property is not applicable to this waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.023%)



Classification of sample: TT102

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

Sample details

Sample name:	LoW Code:
TT102	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20-0.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
9.6%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 9.6% 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	pH		PH		11 pH		11 pH	11pH		
2	arsenic { arsenic trioxide }				8.2 mg/kg	1.32	9.787 mg/kg	0.000979 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.6 mg/kg	1.285	0.697 mg/kg	0.0000542 %	✓	
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	21.14 mg/kg	0.00211 %	✓	
		215-160-9	1308-38-9							
6	copper { dicopper oxide; copper (I) oxide }				39 mg/kg	1.126	39.694 mg/kg	0.00397 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	60 mg/kg	1.56	84.604 mg/kg	0.00542 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
8	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							
9	nickel { nickel dihydroxide }				14 mg/kg	1.579	19.99 mg/kg	0.002 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
11	zinc { zinc sulphate }				110 mg/kg	2.469	245.547 mg/kg	0.0246 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
12	naphthalene				0.54 mg/kg		0.488 mg/kg	0.0000488 %	✓	
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.21 mg/kg		0.19 mg/kg	0.000019 %	✓	
		205-917-1	208-96-8							
14	acenaphthene				1.2 mg/kg		1.085 mg/kg	0.000108 %	✓	
		201-469-6	83-32-9							



#	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							
15	fluorene	201-695-5	86-73-7		1.1 mg/kg		0.994 mg/kg	0.0000994 %	✓	
16	phenanthrene	201-581-5	85-01-8		9.9 mg/kg		8.95 mg/kg	0.000895 %	✓	
17	anthracene	204-371-1	120-12-7		2.8 mg/kg		2.531 mg/kg	0.000253 %	✓	
18	fluoranthene	205-912-4	206-44-0		14 mg/kg		12.656 mg/kg	0.00127 %	✓	
19	pyrene	204-927-3	129-00-0		13 mg/kg		11.752 mg/kg	0.00118 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		5.8 mg/kg		5.243 mg/kg	0.000524 %	✓	
21	chrysene	601-048-00-0	205-923-4		6.1 mg/kg		5.514 mg/kg	0.000551 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		6.5 mg/kg		5.876 mg/kg	0.000588 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		2.9 mg/kg		2.622 mg/kg	0.000262 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		5.8 mg/kg		5.243 mg/kg	0.000524 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		3.9 mg/kg		3.526 mg/kg	0.000353 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.79 mg/kg		0.714 mg/kg	0.0000714 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		4.5 mg/kg		4.068 mg/kg	0.000407 %	✓	
Total:								0.0467 %		

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



Classification of sample: WS104A

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

Sample details

Sample name:	LoW Code:
WS104A	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
0.30-0.40 m	
Moisture content:	
22%	
(wet weight correction)	

Hazard properties

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

Hazard Statements hit:

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

Because of determinands:

dicopper oxide; copper (I) oxide: (compound conc.: 0.211%)

zinc sulphate: (compound conc.: 0.847%)

Determinands

Moisture content: 22% 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	pH		PH		9.3 pH		9.3 pH	9.3 pH			
2	arsenic { arsenic trioxide }				34 mg/kg	1.32	35.015 mg/kg	0.0035 %		✓	
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	7 mg/kg	1.285	7.017 mg/kg	0.000546 %		✓	
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20 mg/kg	1.462	22.8 mg/kg	0.00228 %		✓	
		215-160-9	1308-38-9								
6	copper { dicopper oxide; copper (I) oxide }				2400 mg/kg	1.126	2107.663 mg/kg	0.211 %		✓	
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	950 mg/kg	1.56	1155.823 mg/kg	0.0741 %		✓	
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				1.4 mg/kg	1.353	1.478 mg/kg	0.000148 %		✓	
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				37 mg/kg	1.579	45.584 mg/kg	0.00456 %		✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
	034-002-00-8										
11	zinc { zinc sulphate }				4400 mg/kg	2.469	8474.625 mg/kg	0.847 %		✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]								



#	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							
12	naphthalene				3.2 mg/kg		2.496 mg/kg	0.00025 %	✓	
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				1.3 mg/kg		1.014 mg/kg	0.000101 %	✓	
		205-917-1	208-96-8							
14	acenaphthene				4.5 mg/kg		3.51 mg/kg	0.000351 %	✓	
		201-469-6	83-32-9							
15	fluorene				4.1 mg/kg		3.198 mg/kg	0.00032 %	✓	
		201-695-5	86-73-7							
16	phenanthrene				38 mg/kg		29.64 mg/kg	0.00296 %	✓	
		201-581-5	85-01-8							
17	anthracene				9.8 mg/kg		7.644 mg/kg	0.000764 %	✓	
		204-371-1	120-12-7							
18	fluoranthene				37 mg/kg		28.86 mg/kg	0.00289 %	✓	
		205-912-4	206-44-0							
19	pyrene				39 mg/kg		30.42 mg/kg	0.00304 %	✓	
		204-927-3	129-00-0							
20	benzo[a]anthracene				18 mg/kg		14.04 mg/kg	0.0014 %	✓	
	601-033-00-9	200-280-6	56-55-3							
21	chrysene				20 mg/kg		15.6 mg/kg	0.00156 %	✓	
	601-048-00-0	205-923-4	218-01-9							
22	benzo[b]fluoranthene				17 mg/kg		13.26 mg/kg	0.00133 %	✓	
	601-034-00-4	205-911-9	205-99-2							
23	benzo[k]fluoranthene				6.5 mg/kg		5.07 mg/kg	0.000507 %	✓	
	601-036-00-5	205-916-6	207-08-9							
24	benzo[a]pyrene; benzo[def]chrysene				15 mg/kg		11.7 mg/kg	0.00117 %	✓	
	601-032-00-3	200-028-5	50-32-8							
25	indeno[123-cd]pyrene				7.8 mg/kg		6.084 mg/kg	0.000608 %	✓	
		205-893-2	193-39-5							
26	dibenz[a,h]anthracene				2.2 mg/kg		1.716 mg/kg	0.000172 %	✓	
	601-041-00-2	200-181-8	53-70-3							
27	benzo[ghi]perylene				9.9 mg/kg		7.722 mg/kg	0.000772 %	✓	
		205-883-8	191-24-2							
28	TPH (C6 to C40) petroleum group				247 mg/kg		192.66 mg/kg	0.0193 %	✓	
			TPH							
29	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
30	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
31	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
32	asbestos				170 mg/kg		132.6 mg/kg	0.0133 %	✓	
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
Total:								1.194 %		

Key

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



Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The absence of a free draining liquid and the relatively low concentrations of short-chain hydrocarbons reported indicates that this hazard property is not applicable to this waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0193%)



Classification of sample: WS105

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

Sample details

Sample name:	LoW Code:	
WS105	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.30-0.50 m		
Moisture content:		
19%		
(wet weight correction)		

Hazard properties

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

Force this Hazardous property to hazardous because Given the presence of TPH in excess of 1000mg/kg and the visual presence of hydrocarbon contamination in the sample, the sample is considered to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.208%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.208%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.208%)

Determinands

Moisture content: 19% 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	pH				8.3 pH		8.3 pH	8.3 pH		
2	arsenic { arsenic trioxide }				27 mg/kg	1.32	28.876 mg/kg	0.00289 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1.6 mg/kg	1.285	1.666 mg/kg	0.00013 %	✓	
	048-010-00-4	215-147-8	1306-23-6							



#	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								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		27 mg/kg	1.462	31.964 mg/kg	0.0032 %	✓		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	350 mg/kg	1.126	319.189 mg/kg	0.0319 %	✓		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	280 mg/kg	1.56	353.766 mg/kg	0.0227 %	✓		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.5 mg/kg	1.353	0.548 mg/kg	0.0000548 %	✓		
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]	39 mg/kg	1.579	49.896 mg/kg	0.00499 %	✓		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %			<LOD
11	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]	460 mg/kg	2.469	920.06 mg/kg	0.092 %	✓		
12	naphthalene	601-052-00-2	202-049-5	91-20-3	2.2 mg/kg		1.782 mg/kg	0.000178 %	✓		
13	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
14	acenaphthene	201-469-6	83-32-9		43 mg/kg		34.83 mg/kg	0.00348 %	✓		
15	fluorene	201-695-5	86-73-7		33 mg/kg		26.73 mg/kg	0.00267 %	✓		
16	phenanthrene	201-581-5	85-01-8		130 mg/kg		105.3 mg/kg	0.0105 %	✓		
17	anthracene	204-371-1	120-12-7		39 mg/kg		31.59 mg/kg	0.00316 %	✓		
18	fluoranthene	205-912-4	206-44-0		170 mg/kg		137.7 mg/kg	0.0138 %	✓		
19	pyrene	204-927-3	129-00-0		140 mg/kg		113.4 mg/kg	0.0113 %	✓		
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	68 mg/kg		55.08 mg/kg	0.00551 %	✓		
21	chrysene	601-048-00-0	205-923-4	218-01-9	61 mg/kg		49.41 mg/kg	0.00494 %	✓		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	81 mg/kg		65.61 mg/kg	0.00656 %	✓		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	24 mg/kg		19.44 mg/kg	0.00194 %	✓		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	67 mg/kg		54.27 mg/kg	0.00543 %	✓		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		34 mg/kg		27.54 mg/kg	0.00275 %	✓		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	9.4 mg/kg		7.614 mg/kg	0.000761 %	✓		
27	benzo[ghi]perylene	205-883-8	191-24-2		35 mg/kg		28.35 mg/kg	0.00284 %	✓		
28	TPH (C6 to C40) petroleum group		TPH		2565.7 mg/kg		2078.217 mg/kg	0.208 %	✓		
29	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
30	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<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							
31	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
Total:									0.442 %		

Key

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



Classification of sample: TP102

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

Sample details

Sample name:	LoW Code:
TP102	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
0.50-0.60 m	
Moisture content:	
18%	
(wet weight correction)	

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

lead chromate: (Note 1 conc.: 0.107%)

Determinands

Moisture content: 18% 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	pH		PH		8.5 pH		8.5 pH	8.5 pH		
2	arsenic { arsenic trioxide }				93 mg/kg	1.32	100.688 mg/kg	0.0101 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				26 mg/kg	1.462	31.16 mg/kg	0.00312 %	✓	
		215-160-9	1308-38-9							
6	copper { dicopper oxide; copper (I) oxide }				520 mg/kg	1.126	480.079 mg/kg	0.048 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	1300 mg/kg	1.56	1662.763 mg/kg	0.107 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.9 mg/kg	1.353	0.999 mg/kg	0.0000999 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				49 mg/kg	1.579	63.464 mg/kg	0.00635 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
11	zinc { zinc sulphate }				240 mg/kg	2.469	485.958 mg/kg	0.0486 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							



#	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							
12	naphthalene				0.5 mg/kg		0.41 mg/kg	0.000041 %	✓	
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.24 mg/kg		0.197 mg/kg	0.0000197 %	✓	
		205-917-1	208-96-8							
14	acenaphthene				0.31 mg/kg		0.254 mg/kg	0.0000254 %	✓	
		201-469-6	83-32-9							
15	fluorene				0.27 mg/kg		0.221 mg/kg	0.0000221 %	✓	
		201-695-5	86-73-7							
16	phenanthrene				3.3 mg/kg		2.706 mg/kg	0.000271 %	✓	
		201-581-5	85-01-8							
17	anthracene				1 mg/kg		0.82 mg/kg	0.000082 %	✓	
		204-371-1	120-12-7							
18	fluoranthene				8.7 mg/kg		7.134 mg/kg	0.000713 %	✓	
		205-912-4	206-44-0							
19	pyrene				10 mg/kg		8.2 mg/kg	0.00082 %	✓	
		204-927-3	129-00-0							
20	benzo[a]anthracene				5.9 mg/kg		4.838 mg/kg	0.000484 %	✓	
	601-033-00-9	200-280-6	56-55-3							
21	chrysene				6.3 mg/kg		5.166 mg/kg	0.000517 %	✓	
	601-048-00-0	205-923-4	218-01-9							
22	benzo[b]fluoranthene				5.6 mg/kg		4.592 mg/kg	0.000459 %	✓	
	601-034-00-4	205-911-9	205-99-2							
23	benzo[k]fluoranthene				4.2 mg/kg		3.444 mg/kg	0.000344 %	✓	
	601-036-00-5	205-916-6	207-08-9							
24	benzo[a]pyrene; benzo[def]chrysene				7.3 mg/kg		5.986 mg/kg	0.000599 %	✓	
	601-032-00-3	200-028-5	50-32-8							
25	indeno[123-cd]pyrene				3.8 mg/kg		3.116 mg/kg	0.000312 %	✓	
		205-893-2	193-39-5							
26	dibenz[a,h]anthracene				1.4 mg/kg		1.148 mg/kg	0.000115 %	✓	
	601-041-00-2	200-181-8	53-70-3							
27	benzo[ghi]perylene				5.2 mg/kg		4.264 mg/kg	0.000426 %	✓	
		205-883-8	191-24-2							
Total:								0.228 %		

Key

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



Classification of sample: TP103



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

Sample details

Sample name:	LoW Code:
TP103	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20-0.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
9.8%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 9.8% 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	pH		PH		10.6 pH		10.6 pH	10.6 pH		
2	arsenic { arsenic trioxide }				8 mg/kg	1.32	9.527 mg/kg	0.000953 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.6 mg/kg	1.285	0.696 mg/kg	0.0000541 %	✓	
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27 mg/kg	1.462	35.595 mg/kg	0.00356 %	✓	
		215-160-9	1308-38-9							
6	copper { dicopper oxide; copper (I) oxide }				32 mg/kg	1.126	32.498 mg/kg	0.00325 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	93 mg/kg	1.56	130.847 mg/kg	0.00839 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
8	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							
9	nickel { nickel dihydroxide }				25 mg/kg	1.579	35.618 mg/kg	0.00356 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
11	zinc { zinc sulphate }				120 mg/kg	2.469	267.277 mg/kg	0.0267 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
12	naphthalene				0.42 mg/kg		0.379 mg/kg	0.0000379 %	✓	
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.72 mg/kg		0.649 mg/kg	0.0000649 %	✓	
		205-917-1	208-96-8							
14	acenaphthene				2.8 mg/kg		2.526 mg/kg	0.000253 %	✓	
		201-469-6	83-32-9							



#	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							
15	fluorene	201-695-5	86-73-7		2.3 mg/kg		2.075 mg/kg	0.000207 %	✓	
16	phenanthrene	201-581-5	85-01-8		16 mg/kg		14.432 mg/kg	0.00144 %	✓	
17	anthracene	204-371-1	120-12-7		7 mg/kg		6.314 mg/kg	0.000631 %	✓	
18	fluoranthene	205-912-4	206-44-0		41 mg/kg		36.982 mg/kg	0.0037 %	✓	
19	pyrene	204-927-3	129-00-0		38 mg/kg		34.276 mg/kg	0.00343 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		19 mg/kg		17.138 mg/kg	0.00171 %	✓	
21	chrysene	601-048-00-0	205-923-4		20 mg/kg		18.04 mg/kg	0.0018 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		28 mg/kg		25.256 mg/kg	0.00253 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		13 mg/kg		11.726 mg/kg	0.00117 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		26 mg/kg		23.452 mg/kg	0.00235 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		18 mg/kg		16.236 mg/kg	0.00162 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		3.9 mg/kg		3.518 mg/kg	0.000352 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		21 mg/kg		18.942 mg/kg	0.00189 %	✓	
Total:								0.0701 %		

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



Classification of sample: TP105

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

Sample details

Sample name:	LoW Code:
TP105	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.40-0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
4.3%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 4.3% 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	pH		PH		8.3 pH		8.3 pH		8.3 pH		
2	arsenic { arsenic trioxide }				7.3 mg/kg	1.32	9.224 mg/kg		0.000922 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	0.7 mg/kg	1.285	0.861 mg/kg		0.000067 %	✓	
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg		<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12 mg/kg	1.462	16.785 mg/kg		0.00168 %	✓	
		215-160-9	1308-38-9								
6	copper { dicopper oxide; copper (I) oxide }				37 mg/kg	1.126	39.867 mg/kg		0.00399 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	190 mg/kg	1.56	283.621 mg/kg		0.0182 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
8	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								
9	nickel { nickel dihydroxide }				25 mg/kg	1.579	37.79 mg/kg		0.00378 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg		<0.000141 %		<LOD
	034-002-00-8										
11	zinc { zinc sulphate }				120 mg/kg	2.469	283.574 mg/kg		0.0284 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]								
12	naphthalene				0.49 mg/kg		0.469 mg/kg		0.0000469 %	✓	
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.27 mg/kg		0.258 mg/kg		0.0000258 %	✓	
		205-917-1	208-96-8								
14	acenaphthene				6.6 mg/kg		6.316 mg/kg		0.000632 %	✓	
		201-469-6	83-32-9								



#	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							
15	fluorene	201-695-5	86-73-7		5 mg/kg		4.785 mg/kg	0.000479 %	✓	
16	phenanthrene	201-581-5	85-01-8		39 mg/kg		37.323 mg/kg	0.00373 %	✓	
17	anthracene	204-371-1	120-12-7		11 mg/kg		10.527 mg/kg	0.00105 %	✓	
18	fluoranthene	205-912-4	206-44-0		36 mg/kg		34.452 mg/kg	0.00345 %	✓	
19	pyrene	204-927-3	129-00-0		34 mg/kg		32.538 mg/kg	0.00325 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		18 mg/kg		17.226 mg/kg	0.00172 %	✓	
21	chrysene	601-048-00-0	205-923-4		15 mg/kg		14.355 mg/kg	0.00144 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		15 mg/kg		14.355 mg/kg	0.00144 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		6.1 mg/kg		5.838 mg/kg	0.000584 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		13 mg/kg		12.441 mg/kg	0.00124 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		5.5 mg/kg		5.264 mg/kg	0.000526 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		1.7 mg/kg		1.627 mg/kg	0.000163 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		6.1 mg/kg		5.838 mg/kg	0.000584 %	✓	
28	TPH (C6 to C40) petroleum group		TPH		639.4 mg/kg		611.906 mg/kg	0.0612 %	✓	
29	benzene	601-020-00-8	200-753-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
30	toluene	601-021-00-3	203-625-9		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
Total:								0.139 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because The absence of a free draining liquid and the relatively low concentrations of short-chain hydrocarbons reported indicates that this hazard property is not applicable to this waste.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0612%)

Classification of sample: WELL C


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

Sample details

Sample name:	LoW Code:
WELL C	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20-0.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
12%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 12% 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	pH		PH		10.9 pH		10.9 pH	10.9 pH		
2	arsenic { arsenic trioxide }				13 mg/kg	1.32	15.105 mg/kg	0.00151 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.5 mg/kg	1.285	0.566 mg/kg	0.000044 %	✓	
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				28 mg/kg	1.462	36.013 mg/kg	0.0036 %	✓	
		215-160-9	1308-38-9							
6	copper { dicopper oxide; copper (I) oxide }				46 mg/kg	1.126	45.576 mg/kg	0.00456 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	150 mg/kg	1.56	205.896 mg/kg	0.0132 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
8	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							
9	nickel { nickel dihydroxide }				19 mg/kg	1.579	26.409 mg/kg	0.00264 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
11	zinc { zinc sulphate }				180 mg/kg	2.469	391.137 mg/kg	0.0391 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
12	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
14	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							



#	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							
15	fluorene	201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	phenanthrene	201-581-5	85-01-8		0.86 mg/kg		0.757 mg/kg	0.0000757 %	✓	
17	anthracene	204-371-1	120-12-7		0.2 mg/kg		0.176 mg/kg	0.0000176 %	✓	
18	fluoranthene	205-912-4	206-44-0		1.3 mg/kg		1.144 mg/kg	0.000114 %	✓	
19	pyrene	204-927-3	129-00-0		1.5 mg/kg		1.32 mg/kg	0.000132 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.69 mg/kg		0.607 mg/kg	0.0000607 %	✓	
21	chrysene	601-048-00-0	205-923-4		0.75 mg/kg		0.66 mg/kg	0.000066 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.88 mg/kg		0.774 mg/kg	0.0000774 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.32 mg/kg		0.282 mg/kg	0.0000282 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.72 mg/kg		0.634 mg/kg	0.0000634 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.37 mg/kg		0.326 mg/kg	0.0000326 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		0.57 mg/kg		0.502 mg/kg	0.0000502 %	✓	
Total:								0.0658 %		

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



Classification of sample: TP2

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

Sample details

Sample name:	LoW Code:
TP2	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
0.2 m	

Hazard properties

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH: (conc.: 11.8 pH)

Determinands

Moisture content: 0% 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	pH		PH		11.8	pH		11.8	pH	11.8 pH		
2	arsenic { arsenic trioxide }				5.3	mg/kg	1.32	6.998	mg/kg	0.0007 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	0.3	mg/kg	1.285	0.386	mg/kg	0.00003 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12	mg/kg	1.462	17.539	mg/kg	0.00175 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				14	mg/kg	1.126	15.762	mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	210	mg/kg	1.56	327.561	mg/kg	0.021 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.11	mg/kg	1.353	0.149	mg/kg	0.0000149 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				9.2	mg/kg	1.579	14.531	mg/kg	0.00145 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
	034-002-00-8											
11	zinc { zinc sulphate }				39	mg/kg	2.469	96.303	mg/kg	0.00963 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
12	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									



#	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							
14	• acenaphthene	201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15	• fluorene	201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16	• phenanthrene	201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
17	• anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	• fluoranthene	205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	• pyrene	204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4	218-01-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	• indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	• benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.0366 %		

Key

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



Classification of sample: TP2[2]

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

Sample details

Sample name:	LoW Code:
TP2[2]	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
0.9 m	

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

lead chromate: (Note 1 conc.: 0.14%)

Determinands

Moisture content: 0% 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	pH		PH		8.6 pH		8.6 pH	8.6 pH		
2	arsenic { arsenic trioxide }				15 mg/kg	1.32	19.805 mg/kg	0.00198 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	0.7 mg/kg	1.285	0.9 mg/kg	0.00007 %	✓	
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %	✓	
		215-160-9	1308-38-9							
6	copper { dicopper oxide; copper (I) oxide }				49 mg/kg	1.126	55.169 mg/kg	0.00552 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	1400 mg/kg	1.56	2183.741 mg/kg	0.14 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.84 mg/kg	1.353	1.137 mg/kg	0.000114 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				12 mg/kg	1.579	18.954 mg/kg	0.0019 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.8 mg/kg	1.405	1.124 mg/kg	0.000112 %	✓	
	034-002-00-8									
11	zinc { zinc sulphate }				170 mg/kg	2.469	419.78 mg/kg	0.042 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]							
12	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
13	■ acenaphthylene	205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	■ acenaphthene	201-469-6	83-32-9		0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
15	■ fluorene	201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16	■ phenanthrene	201-581-5	85-01-8		0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
17	■ anthracene	204-371-1	120-12-7		0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
18	■ fluoranthene	205-912-4	206-44-0		0.7 mg/kg		0.7 mg/kg	0.00007 %	✓	
19	■ pyrene	204-927-3	129-00-0		0.8 mg/kg		0.8 mg/kg	0.00008 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
21	chrysene	601-048-00-0	205-923-4		0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.5 mg/kg		0.5 mg/kg	0.00005 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.5 mg/kg		0.5 mg/kg	0.00005 %	✓	
25	■ indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	■ benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
Total:								0.195 %		

Key

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

Classification of sample: TP4

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

Sample details

Sample name:	LoW Code:
TP4	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1 m	

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH		PH		10	pH		10	pH	10pH		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	10	mg/kg	1.32	13.203	mg/kg	0.00132 %	✓	
3	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3	mg/kg	1.285	0.386	mg/kg	0.00003 %	✓
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %	<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9			38	mg/kg	1.462	55.539	mg/kg	0.00555 %	✓
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		28	mg/kg	1.126	31.525	mg/kg	0.00315 %	✓
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	74	mg/kg	1.56	115.426	mg/kg	0.0074 %	✓
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.19	mg/kg	1.353	0.257	mg/kg	0.0000257 %	✓
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		19	mg/kg	1.579	30.01	mg/kg	0.003 %	✓
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %	<LOD
11	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		99	mg/kg	2.469	244.46	mg/kg	0.0244 %	✓
12	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	<LOD
13	acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	<LOD
14	acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	<LOD
15	fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	<LOD



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
17	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
18	fluoranthene	205-912-4	206-44-0		0.9 mg/kg		0.9 mg/kg	0.00009 %	✓	
19	pyrene	204-927-3	129-00-0		1 mg/kg		1 mg/kg	0.0001 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
21	chrysene	601-048-00-0	205-923-4		5.5 mg/kg		5.5 mg/kg	0.00055 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.9 mg/kg		0.9 mg/kg	0.00009 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.7 mg/kg		0.7 mg/kg	0.00007 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.7 mg/kg		0.7 mg/kg	0.00007 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		0.6 mg/kg		0.6 mg/kg	0.00006 %	✓	
Total:								0.0464 %		

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



Classification of sample: TP6

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

Sample details

Sample name:	LoW Code:
TP6	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.40-0.50 m	Entry:
	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

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

Force this Hazardous property to hazardous because Given the presence of TPH in excess of 1000mg/kg and the visual presence of hydrocarbon contamination in the sample, the sample is considered to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.254%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.254%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.254%)

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

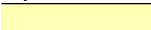
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH				8.7 pH		8.7 pH		8.7 pH		
2	arsenic { arsenic trioxide }				5.7 mg/kg	1.32	7.526 mg/kg		0.000753 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	0.1 mg/kg	1.285	0.129 mg/kg		0.00001 %	✓	
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg		<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								



#	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								
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		10 mg/kg	1.462	14.616	mg/kg	0.00146 %	✓	
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	14 mg/kg	1.126	15.762	mg/kg	0.00158 %	✓	
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	79 mg/kg	1.56	123.225	mg/kg	0.0079 %	✓	
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.07 mg/kg	1.353	0.0947	mg/kg	0.00000947 %	✓	
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]	12 mg/kg	1.579	18.954	mg/kg	0.0019 %	✓	
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			0.7 mg/kg	1.405	0.983	mg/kg	0.0000983 %	✓	
11	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]	40 mg/kg	2.469	98.772	mg/kg	0.00988 %	✓	
12	naphthalene	601-052-00-2	202-049-5	91-20-3	6.5 mg/kg		6.5	mg/kg	0.00065 %	✓	
13	acenaphthylene	205-917-1	208-96-8		<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
14	acenaphthene	201-469-6	83-32-9		4.1 mg/kg		4.1	mg/kg	0.00041 %	✓	
15	fluorene	201-695-5	86-73-7		<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
16	phenanthrene	201-581-5	85-01-8		<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
19	pyrene	204-927-3	129-00-0		<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4	218-01-9	<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
28	TPH (C6 to C40) petroleum group		TPH		2536.2 mg/kg		2536.2	mg/kg	0.254 %	✓	
Total:									0.279 %		



Key

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



Classification of sample: TP8

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

Sample details

Sample name:	LoW Code:
TP8	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1 m	

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH				11	pH		11	pH	11pH		
2	arsenic { arsenic trioxide }				6.9	mg/kg	1.32	9.11	mg/kg	0.000911 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	0.6	mg/kg	1.285	0.771	mg/kg	0.00006 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				37	mg/kg	1.462	54.078	mg/kg	0.00541 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	25.895	mg/kg	0.00259 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	93	mg/kg	1.56	145.063	mg/kg	0.0093 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.1	mg/kg	1.353	0.135	mg/kg	0.0000135 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				52	mg/kg	1.579	82.134	mg/kg	0.00821 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
	034-002-00-8											
11	zinc { zinc sulphate }				95	mg/kg	2.469	234.583	mg/kg	0.0235 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
12	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				0.2	mg/kg		0.2	mg/kg	0.00002 %	✓	
		201-469-6	83-32-9									
15	fluorene				0.5	mg/kg		0.5	mg/kg	0.00005 %	✓	
		201-695-5	86-73-7									



#	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							
16	phenanthrene	201-581-5	85-01-8		1.4 mg/kg		1.4 mg/kg	0.00014 %	✓	
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		3.4 mg/kg		3.4 mg/kg	0.00034 %	✓	
19	pyrene	204-927-3	129-00-0		3.4 mg/kg		3.4 mg/kg	0.00034 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.7 mg/kg		1.7 mg/kg	0.00017 %	✓	
21	chrysene	601-048-00-0	205-923-4		2.1 mg/kg		2.1 mg/kg	0.00021 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3 mg/kg		3 mg/kg	0.0003 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.4 mg/kg		1.4 mg/kg	0.00014 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		3.3 mg/kg		3.3 mg/kg	0.00033 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.7 mg/kg		2.7 mg/kg	0.00027 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		2.8 mg/kg		2.8 mg/kg	0.00028 %	✓	
Total:								0.0529 %		

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



Classification of sample: TP10

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

Sample details

Sample name:	LoW Code:
TP10	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
1 m	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH				8.7	pH		8.7	pH	8.7 pH		
2	arsenic { arsenic trioxide }				11	mg/kg	1.32	14.524	mg/kg	0.00145 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	0.4	mg/kg	1.285	0.514	mg/kg	0.00004 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20	mg/kg	1.462	29.231	mg/kg	0.00292 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				44	mg/kg	1.126	49.539	mg/kg	0.00495 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	87	mg/kg	1.56	135.704	mg/kg	0.0087 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.17	mg/kg	1.353	0.23	mg/kg	0.000023 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				20	mg/kg	1.579	31.59	mg/kg	0.00316 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
	034-002-00-8											
11	zinc { zinc sulphate }				93	mg/kg	2.469	229.645	mg/kg	0.023 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
12	naphthalene				0.2	mg/kg		0.2	mg/kg	0.00002 %	✓	
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				1.1	mg/kg		1.1	mg/kg	0.00011 %	✓	
		201-469-6	83-32-9									
15	fluorene				0.9	mg/kg		0.9	mg/kg	0.00009 %	✓	
		201-695-5	86-73-7									



#	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							
16	phenanthrene	201-581-5	85-01-8		4.5 mg/kg		4.5 mg/kg	0.00045 %	✓	
17	anthracene	204-371-1	120-12-7		1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
18	fluoranthene	205-912-4	206-44-0		7.3 mg/kg		7.3 mg/kg	0.00073 %	✓	
19	pyrene	204-927-3	129-00-0		7.1 mg/kg		7.1 mg/kg	0.00071 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	3 mg/kg		3 mg/kg	0.0003 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	3.4 mg/kg		3.4 mg/kg	0.00034 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2.6 mg/kg		2.6 mg/kg	0.00026 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	1.4 mg/kg		1.4 mg/kg	0.00014 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	3.1 mg/kg		3.1 mg/kg	0.00031 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.1 mg/kg		2.1 mg/kg	0.00021 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		2 mg/kg		2 mg/kg	0.0002 %	✓	
Total:								0.0485 %		

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



Classification of sample: BH6

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

Sample details

Sample name:	LoW Code:
BH6	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.5 m	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH				10.5	pH		10.5	pH	10.5 pH		
2	arsenic { arsenic trioxide }				13	mg/kg	1.32	17.164	mg/kg	0.00172 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	0.3	mg/kg	1.285	0.386	mg/kg	0.00003 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				60	mg/kg	1.462	87.693	mg/kg	0.00877 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				89	mg/kg	1.126	100.204	mg/kg	0.01 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	53	mg/kg	1.56	82.67	mg/kg	0.0053 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.09	mg/kg	1.353	0.122	mg/kg	0.0000122 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				39	mg/kg	1.579	61.6	mg/kg	0.00616 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.5	mg/kg	1.405	0.703	mg/kg	0.0000703 %	✓	
	034-002-00-8											
11	zinc { zinc sulphate }				120	mg/kg	2.469	296.316	mg/kg	0.0296 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
12	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									



#	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							
16	phenanthrene	201-581-5	85-01-8		0.7 mg/kg		0.7 mg/kg	0.00007 %	✓	
17	anthracene	204-371-1	120-12-7		0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
18	fluoranthene	205-912-4	206-44-0		1.3 mg/kg		1.3 mg/kg	0.00013 %	✓	
19	pyrene	204-927-3	129-00-0		1.6 mg/kg		1.6 mg/kg	0.00016 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.7 mg/kg		0.7 mg/kg	0.00007 %	✓	
21	chrysene	601-048-00-0	205-923-4		0.9 mg/kg		0.9 mg/kg	0.00009 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.5 mg/kg		0.5 mg/kg	0.00005 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1 mg/kg		1 mg/kg	0.0001 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.1 mg/kg		1.1 mg/kg	0.00011 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		1 mg/kg		1 mg/kg	0.0001 %	✓	
Total:								0.063 %		

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



Classification of sample: BH7

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

Sample details

Sample name: **BH7** LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: **0.8 m** Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH				9.3	pH		9.3	pH	9.3 pH		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	11	mg/kg	1.32	14.524	mg/kg	0.00145 %	✓	
3	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4	mg/kg	1.285	0.514	mg/kg	0.00004 %	✓
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %	<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28	mg/kg	1.462	40.924	mg/kg	0.00409 %	✓
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		120	mg/kg	1.126	135.107	mg/kg	0.0135 %	✓
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	110	mg/kg	1.56	171.58	mg/kg	0.011 %	✓
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.17	mg/kg	1.353	0.23	mg/kg	0.000023 %	✓
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		17	mg/kg	1.579	26.851	mg/kg	0.00269 %	✓
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %	<LOD
11	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		95	mg/kg	2.469	234.583	mg/kg	0.0235 %	✓
12	naphthalene	601-052-00-2	202-049-5	91-20-3		0.6	mg/kg		0.6	mg/kg	0.00006 %	✓
13	acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	<LOD
14	acenaphthene		201-469-6	83-32-9		1.5	mg/kg		1.5	mg/kg	0.00015 %	✓
15	fluorene		201-695-5	86-73-7		1.1	mg/kg		1.1	mg/kg	0.00011 %	✓



#	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	phenanthrene	201-581-5	85-01-8		5.4 mg/kg		5.4 mg/kg	0.00054 %	✓	
17	anthracene	204-371-1	120-12-7		1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
18	fluoranthene	205-912-4	206-44-0		6.4 mg/kg		6.4 mg/kg	0.00064 %	✓	
19	pyrene	204-927-3	129-00-0		6 mg/kg		6 mg/kg	0.0006 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	2.4 mg/kg		2.4 mg/kg	0.00024 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	2.8 mg/kg		2.8 mg/kg	0.00028 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2 mg/kg		2 mg/kg	0.0002 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	1 mg/kg		1 mg/kg	0.0001 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	2.4 mg/kg		2.4 mg/kg	0.00024 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.7 mg/kg		1.7 mg/kg	0.00017 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		1.4 mg/kg		1.4 mg/kg	0.00014 %	✓	
Total:								0.0602 %		

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



Classification of sample: TP1

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

Sample details

Sample name:	LoW Code:
TP1	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.6 m	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH				10.8	pH		10.8	pH	10.8 pH		
2	arsenic { arsenic trioxide }				5.8	mg/kg	1.32	7.658	mg/kg	0.000766 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	0.4	mg/kg	1.285	0.514	mg/kg	0.00004 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	24.846	mg/kg	0.00248 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				36	mg/kg	1.126	40.532	mg/kg	0.00405 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	42	mg/kg	1.56	65.512	mg/kg	0.0042 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				13	mg/kg	1.579	20.533	mg/kg	0.00205 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
	034-002-00-8											
11	zinc { zinc sulphate }				87	mg/kg	2.469	214.829	mg/kg	0.0215 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
12	naphthalene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		201-695-5	86-73-7									



#	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							
16	phenanthrene	201-581-5	85-01-8		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
17	anthracene	204-371-1	120-12-7		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		1.6 mg/kg		1.6 mg/kg	0.00016 %	✓	
19	pyrene	204-927-3	129-00-0		1.5 mg/kg		1.5 mg/kg	0.00015 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	chrysene	601-048-00-0	205-923-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0371 %		

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



Classification of sample: TP5

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

Sample details

Sample name:	LoW Code:
TP5	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.3 m	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH				7.6	pH		7.6	pH	7.6 pH		
2	arsenic { arsenic trioxide }				12	mg/kg	1.32	15.844	mg/kg	0.00158 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	0.6	mg/kg	1.285	0.771	mg/kg	0.00006 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	16.077	mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				63	mg/kg	1.126	70.931	mg/kg	0.00709 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	150	mg/kg	1.56	233.972	mg/kg	0.015 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.09	mg/kg	1.353	0.122	mg/kg	0.0000122 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				12	mg/kg	1.579	18.954	mg/kg	0.0019 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
	034-002-00-8											
11	zinc { zinc sulphate }				100	mg/kg	2.469	246.93	mg/kg	0.0247 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
12	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									



#	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							
16	phenanthrene	201-581-5	85-01-8		0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		0.5 mg/kg		0.5 mg/kg	0.00005 %	✓	
19	pyrene	204-927-3	129-00-0		0.9 mg/kg		0.9 mg/kg	0.00009 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
21	chrysene	601-048-00-0	205-923-4		0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
Total:								0.0527 %		

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



Classification of sample: BH4

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

Sample details

Sample name:	LoW Code:	
BH4	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.5 m		

Hazard properties

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

Force this Hazardous property to hazardous because Given the presence of TPH in excess of 1000mg/kg and the visual presence of hydrocarbon contamination in the sample, the sample is considered to be hazardous.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.351%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.351%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.351%)

Determinands

Moisture content: 0% Wet Weight Moisture Correction applied (MC)

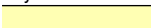
#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH				9.1	pH		9.1	pH	9.1 pH		
2	arsenic { arsenic trioxide }				1.5	mg/kg	1.32	1.98	mg/kg	0.000198 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	0.4	mg/kg	1.285	0.514	mg/kg	0.00004 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									



#	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							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		2.6 mg/kg	1.462	3.8 mg/kg	0.00038 %	✓	
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	3.9 mg/kg	1.126	4.391 mg/kg	0.000439 %	✓	
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	6.1 mg/kg	1.56	9.515 mg/kg	0.00061 %	✓	
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]	3.9 mg/kg	1.579	6.16 mg/kg	0.000616 %	✓	
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			<0.5 mg/kg	1.405	<0.703 mg/kg	<0.0000703 %		<LOD
11	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]	33 mg/kg	2.469	81.487 mg/kg	0.00815 %	✓	
12	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
13	acenaphthylene		205-917-1	208-96-8	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
14	acenaphthene		201-469-6	83-32-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
15	fluorene		201-695-5	86-73-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
16	phenanthrene		201-581-5	85-01-8	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
17	anthracene		204-371-1	120-12-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene		205-912-4	206-44-0	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	pyrene		204-927-3	129-00-0	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4	218-01-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	indeno[123-cd]pyrene		205-893-2	193-39-5	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene		205-883-8	191-24-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	TPH (C6 to C40) petroleum group		TPH		3509 mg/kg		3509 mg/kg	0.351 %	✓	
Total:								0.362 %		



Key

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



Classification of sample: BH7[2]

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

Sample details

Sample name:	LoW Code:
BH7[2]	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.5 m	

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH		PH		11.1	pH		11.1	pH	11.1 pH		
2	arsenic { arsenic trioxide }				13	mg/kg	1.32	17.164	mg/kg	0.00172 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	0.9	mg/kg	1.285	1.157	mg/kg	0.00009 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21	mg/kg	1.462	30.693	mg/kg	0.00307 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				61	mg/kg	1.126	68.679	mg/kg	0.00687 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	89	mg/kg	1.56	138.824	mg/kg	0.0089 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.33	mg/kg	1.353	0.447	mg/kg	0.0000447 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				18	mg/kg	1.579	28.431	mg/kg	0.00284 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
	034-002-00-8											
11	zinc { zinc sulphate }				140	mg/kg	2.469	345.701	mg/kg	0.0346 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
12	naphthalene				0.2	mg/kg		0.2	mg/kg	0.00002 %	✓	
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %	✓	
		201-469-6	83-32-9									
15	fluorene				0.2	mg/kg		0.2	mg/kg	0.00002 %	✓	
		201-695-5	86-73-7									



#	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							
16	phenanthrene	201-581-5	85-01-8		0.5 mg/kg		0.5 mg/kg	0.00005 %	✓	
17	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
18	fluoranthene	205-912-4	206-44-0		0.8 mg/kg		0.8 mg/kg	0.00008 %	✓	
19	pyrene	204-927-3	129-00-0		1 mg/kg		1 mg/kg	0.0001 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.5 mg/kg		0.5 mg/kg	0.00005 %	✓	
21	chrysene	601-048-00-0	205-923-4		0.5 mg/kg		0.5 mg/kg	0.00005 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.7 mg/kg		0.7 mg/kg	0.00007 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.5 mg/kg		0.5 mg/kg	0.00005 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		0.6 mg/kg		0.6 mg/kg	0.00006 %	✓	
Total:								0.0591 %		

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

Classification of sample: BH9

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

Sample details

Sample name:	LoW Code:
BH9	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.5 m	

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH		PH		8.1	pH		8.1	pH	8.1 pH		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	19	mg/kg	1.32	25.086	mg/kg	0.00251 %	✓	
3	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.7	mg/kg	1.285	2.185	mg/kg	0.00017 %	✓
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %	<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		20	mg/kg	1.462	29.231	mg/kg	0.00292 %	✓	
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		120	mg/kg	1.126	135.107	mg/kg	0.0135 %	✓
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	240	mg/kg	1.56	374.356	mg/kg	0.024 %	✓
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.24	mg/kg	1.353	0.325	mg/kg	0.0000325 %	✓
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		26	mg/kg	1.579	41.067	mg/kg	0.00411 %	✓
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }	034-002-00-8				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %	<LOD
11	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		260	mg/kg	2.469	642.017	mg/kg	0.0642 %	✓
12	naphthalene	601-052-00-2	202-049-5	91-20-3		0.1	mg/kg		0.1	mg/kg	0.00001 %	✓
13	acenaphthylene		205-917-1	208-96-8		0.2	mg/kg		0.2	mg/kg	0.00002 %	✓
14	acenaphthene		201-469-6	83-32-9		0.5	mg/kg		0.5	mg/kg	0.00005 %	✓
15	fluorene		201-695-5	86-73-7		0.5	mg/kg		0.5	mg/kg	0.00005 %	✓



#	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	phenanthrene	201-581-5	85-01-8		3.8 mg/kg		3.8 mg/kg	0.00038 %	✓	
17	anthracene	204-371-1	120-12-7		0.9 mg/kg		0.9 mg/kg	0.00009 %	✓	
18	fluoranthene	205-912-4	206-44-0		6.3 mg/kg		6.3 mg/kg	0.00063 %	✓	
19	pyrene	204-927-3	129-00-0		5.8 mg/kg		5.8 mg/kg	0.00058 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.4 mg/kg		2.4 mg/kg	0.00024 %	✓	
21	chrysene	601-048-00-0	205-923-4		2.6 mg/kg		2.6 mg/kg	0.00026 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.9 mg/kg		1.9 mg/kg	0.00019 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.1 mg/kg		1.1 mg/kg	0.00011 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		2.7 mg/kg		2.7 mg/kg	0.00027 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.8 mg/kg		1.8 mg/kg	0.00018 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		1.1 mg/kg		1.1 mg/kg	0.00011 %	✓	
Total:								0.115 %		

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



Classification of sample: BH2



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

Sample details

Sample name:	LoW Code:
BH2	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.4 m	

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH		PH		9 pH		9	pH	9pH		
2	arsenic { arsenic trioxide }				18 mg/kg	1.32	23.766	mg/kg	0.00238 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
3	cadmium { cadmium sulfide }			1	4.9 mg/kg	1.285	6.298	mg/kg	0.00049 %	✓	
	048-010-00-4	215-147-8	1306-23-6								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25 mg/kg	1.462	36.539	mg/kg	0.00365 %	✓	
		215-160-9	1308-38-9								
6	copper { dicopper oxide; copper (I) oxide }				230 mg/kg	1.126	258.954	mg/kg	0.0259 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	410 mg/kg	1.56	639.524	mg/kg	0.041 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				0.37 mg/kg	1.353	0.501	mg/kg	0.0000501 %	✓	
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel dihydroxide }				29 mg/kg	1.579	45.805	mg/kg	0.00458 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<0.5 mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
	034-002-00-8										
11	zinc { zinc sulphate }				420 mg/kg	2.469	1037.104	mg/kg	0.104 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]								
12	naphthalene				<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8								
14	acenaphthene				<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9								
15	fluorene				<0.1 mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7								



#	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							
16	phenanthrene	201-581-5	85-01-8		0.2 mg/kg		0.2 mg/kg	0.00002 %	✓	
17	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %	✓	
18	fluoranthene	205-912-4	206-44-0		0.6 mg/kg		0.6 mg/kg	0.00006 %	✓	
19	pyrene	204-927-3	129-00-0		1.7 mg/kg		1.7 mg/kg	0.00017 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.4 mg/kg		1.4 mg/kg	0.00014 %	✓	
21	chrysene	601-048-00-0	205-923-4		2.2 mg/kg		2.2 mg/kg	0.00022 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		2 mg/kg		2 mg/kg	0.0002 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1 mg/kg		1 mg/kg	0.0001 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.4 mg/kg		1.4 mg/kg	0.00014 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.3 mg/kg		1.3 mg/kg	0.00013 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		0.9 mg/kg		0.9 mg/kg	0.00009 %	✓	
Total:								0.183 %		

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

Classification of sample: BH5

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

Sample details

Sample name:	LoW Code:
BH5	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.95 m	

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH		PH		7.5	pH		7.5	pH	7.5 pH		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	220	mg/kg	1.32	290.472	mg/kg	0.029 %	✓	
3	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.9	mg/kg	1.285	1.157	mg/kg	0.00009 %	✓
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %	<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		29	mg/kg	1.462	42.385	mg/kg	0.00424 %	✓	
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		120	mg/kg	1.126	135.107	mg/kg	0.0135 %	✓
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	490	mg/kg	1.56	764.309	mg/kg	0.049 %	✓
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		6.6	mg/kg	1.353	8.933	mg/kg	0.000893 %	✓
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		37	mg/kg	1.579	58.441	mg/kg	0.00584 %	✓
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }	034-002-00-8				7.1	mg/kg	1.405	9.976	mg/kg	0.000998 %	✓
11	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		150	mg/kg	2.469	370.394	mg/kg	0.037 %	✓
12	naphthalene	601-052-00-2	202-049-5	91-20-3		0.2	mg/kg		0.2	mg/kg	0.00002 %	✓
13	acenaphthylene		205-917-1	208-96-8		0.5	mg/kg		0.5	mg/kg	0.00005 %	✓
14	acenaphthene		201-469-6	83-32-9		0.5	mg/kg		0.5	mg/kg	0.00005 %	✓
15	fluorene		201-695-5	86-73-7		0.1	mg/kg		0.1	mg/kg	0.00001 %	✓



#	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	phenanthrene	201-581-5	85-01-8		1.3 mg/kg		1.3 mg/kg	0.00013 %	✓	
17	anthracene	204-371-1	120-12-7		1.4 mg/kg		1.4 mg/kg	0.00014 %	✓	
18	fluoranthene	205-912-4	206-44-0		2.4 mg/kg		2.4 mg/kg	0.00024 %	✓	
19	pyrene	204-927-3	129-00-0		3.5 mg/kg		3.5 mg/kg	0.00035 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		2.2 mg/kg		2.2 mg/kg	0.00022 %	✓	
21	chrysene	601-048-00-0	205-923-4		2.7 mg/kg		2.7 mg/kg	0.00027 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		3.5 mg/kg		3.5 mg/kg	0.00035 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		1.3 mg/kg		1.3 mg/kg	0.00013 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.9 mg/kg		1.9 mg/kg	0.00019 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		2.8 mg/kg		2.8 mg/kg	0.00028 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.5 mg/kg		0.5 mg/kg	0.00005 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		2.6 mg/kg		2.6 mg/kg	0.00026 %	✓	
Total:								0.144 %		

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



Classification of sample: TP3

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

Sample details

Sample name:	LoW Code:
TP3	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.7 m	

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH		PH		8.3	pH		8.3	pH	8.3 pH		
2	arsenic { arsenic trioxide }				18	mg/kg	1.32	23.766	mg/kg	0.00238 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	3.5	mg/kg	1.285	4.498	mg/kg	0.00035 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				24	mg/kg	1.462	35.077	mg/kg	0.00351 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				140	mg/kg	1.126	157.624	mg/kg	0.0158 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	300	mg/kg	1.56	467.945	mg/kg	0.03 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.42	mg/kg	1.353	0.568	mg/kg	0.0000568 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				24	mg/kg	1.579	37.908	mg/kg	0.00379 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.405	<0.703	mg/kg	<0.0000703 %		<LOD
	034-002-00-8											
11	zinc { zinc sulphate }				400	mg/kg	2.469	987.719	mg/kg	0.0988 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
12	naphthalene				0.1	mg/kg		0.1	mg/kg	0.00001 %	✓	
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				0.3	mg/kg		0.3	mg/kg	0.00003 %	✓	
		201-469-6	83-32-9									
15	fluorene				0.3	mg/kg		0.3	mg/kg	0.00003 %	✓	
		201-695-5	86-73-7									



#	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							
16	phenanthrene	201-581-5	85-01-8		1.7 mg/kg		1.7 mg/kg	0.00017 %	✓	
17	anthracene	204-371-1	120-12-7		0.4 mg/kg		0.4 mg/kg	0.00004 %	✓	
18	fluoranthene	205-912-4	206-44-0		2.7 mg/kg		2.7 mg/kg	0.00027 %	✓	
19	pyrene	204-927-3	129-00-0		2.9 mg/kg		2.9 mg/kg	0.00029 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.3 mg/kg		1.3 mg/kg	0.00013 %	✓	
21	chrysene	601-048-00-0	205-923-4		1.4 mg/kg		1.4 mg/kg	0.00014 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.3 mg/kg		1.3 mg/kg	0.00013 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.7 mg/kg		0.7 mg/kg	0.00007 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.6 mg/kg		1.6 mg/kg	0.00016 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.3 mg/kg		1.3 mg/kg	0.00013 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.3 mg/kg		0.3 mg/kg	0.00003 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
Total:								0.157 %		

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

Appendix A: Classifier defined and non GB MCL determinands

■ pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

■ 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

■ 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

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

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

▪ **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

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

lead {lead chromate}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

zinc {zinc sulphate}

The absence of chromium VI within the soil samples indicates that zinc chromate could not be present within the site soils. The sample was collected from an area overlain with hardstanding suggesting that soluble zinc form may still remain. Given this the next most conservative zinc species has been selected.

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**
HazWasteOnline Classification Engine Version: 2023.111.5569.10274 (22 Apr 2023)
HazWasteOnline Database: 2023.111.5569.10274 (22 Apr 2023)



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

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Analytical Report Number : 23-28312

Project / Site name:	BRWRY, Manchester	Samples received on:	13/04/2023
Your job number:	C5313	Samples instructed on/ Analysis started on:	13/04/2023
Your order number:	C5313 4139 JM	Analysis completed by:	24/04/2023
Report Issue Number:	1	Report issued on:	24/04/2023
Samples Analysed:	3 10:1 WAC samples		

Izabela Wójcik
Signed:
Izabela Wójcik
Reporting Specialist
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

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

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.

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Waste Acceptance Criteria Analytical Results

Waste Acceptance Criteria Analytical Results							
Report No:	23-28312						
					Client: BSL		
Location	BRWRY, Manchester						
Lab Reference (Sample Number)	2647748 / 2647749				Landfill Waste Acceptance Criteria		
					Limits		
Sampling Date	30/03/2023				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	BH101						
Depth (m)	0.30-0.70						
Solid Waste Analysis							
TOC (%)**	2.5				3%	5%	6%
Loss on Ignition (%) **	5.5				--	--	10%
BTEX (µg/kg) **	< 5.0				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg) EH, ID, CU, AL	140				500	--	--
Total PAH (WAC-17) (mg/kg)	34.4				100	--	--
pH (units)**	8.5				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	15				--	To be evaluated	To be evaluated
Eluate Analysis							
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	Limit values for compliance leaching test		
	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0076			0.0653	0.5	2	25
Barium *	0.0212			0.182	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0040			0.034	0.5	10	70
Copper *	0.0076			0.065	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0007			0.0060	0.5	10	30
Nickel *	< 0.0003			< 0.0030	0.4	10	40
Lead *	< 0.0010			< 0.010	0.5	10	50
Antimony *	0.0028			0.024	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0078			0.067	4	50	200
Chloride *	0.55			4.8	800	15000	25000
Fluoride*	0.11			0.93	10	150	500
Sulphate *	2.6			22	1000	20000	50000
TDS*	34			290	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	6.22			53.3	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.80						
Dry Matter (%)	88						
Moisture (%)	12						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and I2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.

This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

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Waste Acceptance Criteria Analytical Results

Waste Acceptance Criteria Analytical Results							
Report No:	23-28312						
					Client: BSL		
Location	BRWRY, Manchester						
Lab Reference (Sample Number)	2647750 / 2647751				Landfill Waste Acceptance Criteria		
					Limits		
Sampling Date	31/03/2023				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	BH103						
Depth (m)	0.70-1.00						
Solid Waste Analysis							
TOC (%)**	1.5				3%	5%	6%
Loss on Ignition (%) **	4.7				--	--	10%
BTEX (µg/kg) **	< 5.0				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg) EH, ID, CU, AL	19				500	--	--
Total PAH (WAC-17) (mg/kg)	195				100	--	--
pH (units)**	10.2				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	83				--	To be evaluated	To be evaluated
Eluate Analysis							
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	Limit values for compliance leaching test		
	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0054			0.0331	0.5	2	25
Barium *	0.0155			0.0948	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0057			0.035	0.5	10	70
Copper *	0.0080			0.049	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0107			0.0652	0.5	10	30
Nickel *	< 0.0003			< 0.0030	0.4	10	40
Lead *	< 0.0010			< 0.010	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0023			0.014	4	50	200
Chloride *	1.5			9.0	800	15000	25000
Fluoride*	0.30			1.8	10	150	500
Sulphate *	5.3			33	1000	20000	50000
TDS*	37			230	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	7.18			43.8	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.80						
Dry Matter (%)	85						
Moisture (%)	15						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					*= UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

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Waste Acceptance Criteria Analytical Results

Waste Acceptance Criteria Analytical Results							
Report No:	23-28312						
					Client: BSL		
Location	BRWRY, Manchester						
Lab Reference (Sample Number)	2647752 / 2647753				Landfill Waste Acceptance Criteria		
					Limits		
Sampling Date	29/03/2023				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	WS105						
Depth (m)	0.30-0.50						
Solid Waste Analysis							
TOC (%)**	2.7				3%	5%	6%
Loss on Ignition (%) **	8.0				--	--	10%
BTEX (µg/kg) **	< 5.0				6000	--	--
Sum of PCBs (mg/kg) **	< 0.007				1	--	--
Mineral Oil (mg/kg) EH, ID, CU, AL	1200				500	--	--
Total PAH (WAC-17) (mg/kg)	842				100	--	--
pH (units)**	8.9				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	23				--	To be evaluated	To be evaluated
Eluate Analysis							
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	Limit values for compliance leaching test		
	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0032			0.0258	0.5	2	25
Barium *	0.0330			0.265	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0016			0.013	0.5	10	70
Copper *	0.018			0.15	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0161			0.130	0.5	10	30
Nickel *	0.0018			0.014	0.4	10	40
Lead *	0.011			0.088	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.029			0.23	4	50	200
Chloride *	2.4			20	800	15000	25000
Fluoride*	0.47			3.8	10	150	500
Sulphate *	44			350	1000	20000	50000
TDS*	99			800	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	8.97			72.0	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.80						
Dry Matter (%)	81						
Moisture (%)	19						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Analytical Report Number : 23-28312

Project / Site name: BRWRY, Manchester

* 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 *
2647748	BH101	None Supplied	0.30-0.70	Brown loam and gravel.
2647750	BH103	None Supplied	0.70-1.00	Brown loam and sand with gravel.
2647752	WS105	None Supplied	0.30-0.50	Brown clay and loam with gravel.

Analytical Report Number : 23-28312

Project / Site name: BRWRY, Manchester

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BS EN 12457-2 (10:1) Leachate Prep	10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-2.	L043-PL	W	NONE
Acid neutralisation capacity of soil	Determination of acid neutralisation capacity by addition of acid or alkali followed by electronic probe.	In-house method based on Guidance an Sampling and Testing of Wastes to Meet Landfill Waste Acceptance""	L046-PL	W	NONE
Loss on ignition of soil @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace.	In house method.	L047-PL	D	MCERTS
Mineral Oil (Soil) C10 - C40	Determination of mineral oil fraction extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L076-PL	D	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Speciated WAC-17 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270.	L064-PL	D	MCERTS
PCB's By GC-MS in soil	Determination of PCB by extraction with acetone and hexane followed by GC-MS.	In-house method based on USEPA 8082	L027-PL	D	MCERTS
pH at 20oC in soil	Determination of pH in soil by addition of water followed by electrometric measurement.	In house method.	L005-PL	W	MCERTS
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.	L019-UK/PL	D	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Total BTEX in soil (Poland)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260	L073-PL	W	MCERTS
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260.	L082-PL	W	ISO 17025
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Sulphate 10:1 WAC	Determination of sulphate in leachate by ICP-OES	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025

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Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by EC probe using a factor of 0.6.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L031	W	ISO 17025
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Dissolved organic carbon 10:1 WAC	Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	NONE

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 30oC.

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.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
-	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Sample Deviation Report



Analytical Report Number : 23-28312

Project / Site name: BRWRY, Manchester

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH101	None Supplied	S	2647748	c	BTEX in soil (Monoaromatics)	L073B-PL	c
BH101	None Supplied	S	2647748	c	Total BTEX in soil (Poland)	L073-PL	c
WS105	None Supplied	S	2647752	c	BTEX in soil (Monoaromatics)	L073B-PL	c
WS105	None Supplied	S	2647752	c	Total BTEX in soil (Poland)	L073-PL	c

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