

Analytical Report Number : 23-68794

Project / Site name: Mayfields 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
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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 : 23-68794

Project / Site name: Mayfields 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
BH202	None Supplied	S	2878462	c	Hexavalent chromium in soil	L080-PL	c
BH202	None Supplied	S	2878462	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH202	None Supplied	S	2878462	c	Cr (III) in soil	L080-PL	c
BH202	None Supplied	S	2878462	c	Monohydric phenols in soil	L080-PL	c
BH202	None Supplied	S	2878462	c	Organic matter (Automated) in soil	L009-PL	c
BH202	None Supplied	S	2878462	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH202	None Supplied	S	2878462	c	TPHCWG (Soil)	L088/76-PL	c
BH202	None Supplied	S	2878462	c	Total cyanide in soil	L080-PL	c
BH202	None Supplied	S	2878462	c	pH in soil (automated)	L099-PL	c
BH203	None Supplied	S	2878463	c	Hexavalent chromium in soil	L080-PL	c
BH203	None Supplied	S	2878463	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH203	None Supplied	S	2878463	c	Cr (III) in soil	L080-PL	c
BH203	None Supplied	S	2878463	c	Monohydric phenols in soil	L080-PL	c
BH203	None Supplied	S	2878463	c	Organic matter (Automated) in soil	L009-PL	c
BH203	None Supplied	S	2878463	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH203	None Supplied	S	2878463	c	TPHCWG (Soil)	L088/76-PL	c
BH203	None Supplied	S	2878463	c	Total cyanide in soil	L080-PL	c
BH203	None Supplied	S	2878463	c	pH in soil (automated)	L099-PL	c
BH204	None Supplied	S	2878465	c	Hexavalent chromium in soil	L080-PL	c
BH204	None Supplied	S	2878465	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH204	None Supplied	S	2878465	c	Cr (III) in soil	L080-PL	c
BH204	None Supplied	S	2878465	c	Monohydric phenols in soil	L080-PL	c
BH204	None Supplied	S	2878465	c	Organic matter (Automated) in soil	L009-PL	c
BH204	None Supplied	S	2878465	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH204	None Supplied	S	2878465	c	TPHCWG (Soil)	L088/76-PL	c
BH204	None Supplied	S	2878465	c	Total cyanide in soil	L080-PL	c
BH204	None Supplied	S	2878465	c	pH in soil (automated)	L099-PL	c
BH205	None Supplied	S	2878464	c	Hexavalent chromium in soil	L080-PL	c
BH205	None Supplied	S	2878464	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH205	None Supplied	S	2878464	c	Cr (III) in soil	L080-PL	c
BH205	None Supplied	S	2878464	c	Monohydric phenols in soil	L080-PL	c
BH205	None Supplied	S	2878464	c	Organic matter (Automated) in soil	L009-PL	c
BH205	None Supplied	S	2878464	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH205	None Supplied	S	2878464	c	TPHCWG (Soil)	L088/76-PL	c
BH205	None Supplied	S	2878464	c	Total cyanide in soil	L080-PL	c
BH205	None Supplied	S	2878464	c	pH in soil (automated)	L099-PL	c
BH211	None Supplied	S	2878457	c	Hexavalent chromium in soil	L080-PL	c
BH211	None Supplied	S	2878457	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH211	None Supplied	S	2878457	c	Cr (III) in soil	L080-PL	c
BH211	None Supplied	S	2878457	c	Monohydric phenols in soil	L080-PL	c
BH211	None Supplied	S	2878457	c	Organic matter (Automated) in soil	L009-PL	c
BH211	None Supplied	S	2878457	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH211	None Supplied	S	2878457	c	TPHCWG (Soil)	L088/76-PL	c
BH211	None Supplied	S	2878457	c	Total cyanide in soil	L080-PL	c
BH211	None Supplied	S	2878457	c	pH in soil (automated)	L099-PL	c
BH212	None Supplied	S	2878458	c	Hexavalent chromium in soil	L080-PL	c
BH212	None Supplied	S	2878458	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH212	None Supplied	S	2878458	c	Cr (III) in soil	L080-PL	c
BH212	None Supplied	S	2878458	c	Monohydric phenols in soil	L080-PL	c
BH212	None Supplied	S	2878458	c	Organic matter (Automated) in soil	L009-PL	c
BH212	None Supplied	S	2878458	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH212	None Supplied	S	2878458	c	TPHCWG (Soil)	L088/76-PL	c
BH212	None Supplied	S	2878458	c	Total cyanide in soil	L080-PL	c
BH212	None Supplied	S	2878458	c	pH in soil (automated)	L099-PL	c
BH212	None Supplied	S	2878459	c	Hexavalent chromium in soil	L080-PL	c
BH212	None Supplied	S	2878459	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH212	None Supplied	S	2878459	c	Cr (III) in soil	L080-PL	c
BH212	None Supplied	S	2878459	c	Monohydric phenols in soil	L080-PL	c

Sample Deviation Report

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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
BH212	None Supplied	S	2878459	c	Organic matter (Automated) in soil	L009-PL	c
BH212	None Supplied	S	2878459	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH212	None Supplied	S	2878459	c	TPHCWG (Soil)	L088/76-PL	c
BH212	None Supplied	S	2878459	c	Total cyanide in soil	L080-PL	c
BH212	None Supplied	S	2878459	c	pH in soil (automated)	L099-PL	c
BH214	None Supplied	S	2878461	c	Hexavalent chromium in soil	L080-PL	c
BH214	None Supplied	S	2878461	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH214	None Supplied	S	2878461	c	Cr (III) in soil	L080-PL	c
BH214	None Supplied	S	2878461	c	Monohydric phenols in soil	L080-PL	c
BH214	None Supplied	S	2878461	c	Organic matter (Automated) in soil	L009-PL	c
BH214	None Supplied	S	2878461	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH214	None Supplied	S	2878461	c	TPHCWG (Soil)	L088/76-PL	c
BH214	None Supplied	S	2878461	c	Total cyanide in soil	L080-PL	c
BH214	None Supplied	S	2878461	c	pH in soil (automated)	L099-PL	c
BH215	None Supplied	S	2878460	c	Hexavalent chromium in soil	L080-PL	c
BH215	None Supplied	S	2878460	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH215	None Supplied	S	2878460	c	Cr (III) in soil	L080-PL	c
BH215	None Supplied	S	2878460	c	Monohydric phenols in soil	L080-PL	c
BH215	None Supplied	S	2878460	c	Organic matter (Automated) in soil	L009-PL	c
BH215	None Supplied	S	2878460	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH215	None Supplied	S	2878460	c	TPHCWG (Soil)	L088/76-PL	c
BH215	None Supplied	S	2878460	c	Total cyanide in soil	L080-PL	c
BH215	None Supplied	S	2878460	c	pH in soil (automated)	L099-PL	c

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Analytical Report Number : 23-69218

Replaces Analytical Report Number: 23-69218, issue no. 2

Additional analysis undertaken.

Acid/Alkali reserve analysis added to sample 2880563 as per client's requested.

Project / Site name:	Mayfields, Manchester	Samples received on:	15/11/2023
Your job number:	51001	Samples instructed on/ Analysis started on:	15/11/2023
Your order number:	PO-0014	Analysis completed by:	06/12/2023
Report Issue Number:	3	Report issued on:	11/12/2023
Samples Analysed:	2 leachate samples - 3 soil samples		

Signed:



Dominika Liana
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

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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: 23-69218
Project / Site name: Mayfields, Manchester
Your Order No: PO-0014

Lab Sample Number				2880561	2880562	2880563
Sample Reference				BH208	BH206	BH213
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				1.20	3.00	0.30
Date Sampled				13/11/2023	13/11/2023	13/11/2023
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE	26	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	8.9	14	13
Total mass of sample received	kg	0.001	NONE	0.8	0.9	1.3

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	Chrysotile
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	< 0.001
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	< 0.001
Asbestos Analyst ID	N/A	N/A	N/A	MJN	MJN	MJN

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.4	8	11.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	910	1500	3000
Organic Matter (automated)	%	0.1	MCERTS	1.7	2.2	1.5
Alkali Reserve (soils)	g/100g NaOH	0.0025	NONE	-	-	0.246

Total Phenols

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

Naphthalene	mg/kg	0.05	MCERTS	0.8	0.51	2.8
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.06	0.16
Acenaphthene	mg/kg	0.05	MCERTS	0.85	0.58	3
Fluorene	mg/kg	0.05	MCERTS	0.69	0.4	2.5
Phenanthrene	mg/kg	0.05	MCERTS	4.6	3.4	16
Anthracene	mg/kg	0.05	MCERTS	1.1	0.77	4.4
Fluoranthene	mg/kg	0.05	MCERTS	5.2	5	15
Pyrene	mg/kg	0.05	MCERTS	4.7	4.6	13
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.5	1.7	5.9
Chrysene	mg/kg	0.05	MCERTS	2.1	2.2	6
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	3.1	2.5	8.2
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	3.5	2.8	9.3
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2	2.2	5.7
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.99	1.2	2.7
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.25	0.28	0.7
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.1	1.4	3.3
Coronene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05

Total PAH

Total WAC-17 PAHs	mg/kg	0.85	NONE	32.4	29.6	99.1
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Analytical Report Number: 23-69218
Project / Site name: Mayfields, Manchester
Your Order No: PO-0014

Lab Sample Number	2880561	2880562	2880563
Sample Reference	BH208	BH206	BH213
Sample Number	None Supplied	None Supplied	None Supplied
Depth (m)	1.20	3.00	0.30
Date Sampled	13/11/2023	13/11/2023	13/11/2023
Time Taken	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status

Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	4.2	5.7	2.2
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	51	81	16
Barium (aqua regia extractable)	mg/kg	1	MCERTS	140	220	280
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.84	1.1	0.55
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	0.6	1.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.8
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8
Chromium (III)	mg/kg	1	NONE	23	24	13
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	24	13
Copper (aqua regia extractable)	mg/kg	1	MCERTS	49	99	42
Lead (aqua regia extractable)	mg/kg	1	MCERTS	150	300	100
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.4	0.9	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	23	21	13
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	26	26	17
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110	170	89

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.02	NONE	< 0.020	< 0.020	< 0.020
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.02	NONE	< 0.020	< 0.020	< 0.020
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.05	NONE	< 0.050	< 0.050	< 0.050
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	9	12
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	< 8.0	70	75
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10	NONE	< 10	80	88

TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	< 0.010	< 0.010	< 0.010
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	< 0.010	< 0.010	< 0.010
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	< 0.050	< 0.050	< 0.050
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	5.6	< 1.0	6.6
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	19	3	26
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	35	15	63
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	73	44	110
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_1D_AR	mg/kg	10	NONE	130	62	210

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

Analytical Report Number: 23-69218
Project / Site name: Mayfields, Manchester
Your Order No: PO-0014

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
2880563	BH213	0.30	138	Loose Fibres	Chrysotile	< 0.001	< 0.001

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

Analytical Report Number: 23-69218
Project / Site name: Mayfields, Manchester

Your Order No: PO-0014

Lab Sample Number	2880564			2880565
Sample Reference	BH213			BH213
Sample Number	None Supplied			None Supplied
Depth (m)	0.30			0.70
Date Sampled	13/11/2023			13/11/2023
Time Taken	None Supplied			None Supplied
Analytical Parameter (Leachate Analysis)	Units	Limit of detection	Accreditation Status	

General Inorganics

pH (automated)	pH Units	N/A	ISO 17025	11.9	11.5
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	1.5	1.5
Free Cyanide	µg/l	10	ISO 17025	< 10	< 10
Free Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1	< 1
Sulphate as SO ₄	mg/l	0.1	ISO 17025	12.2	24.7
Dissolved Organic Carbon (DOC)	mg/l	0.1	NONE	10.5	9.1

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	20	2.7
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Speciated PAHs

Naphthalene	µg/l	0.01	NONE	2.9	< 0.01
Acenaphthylene	µg/l	0.01	NONE	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	NONE	2.9	< 0.01
Fluorene	µg/l	0.01	NONE	1.2	< 0.01
Phenanthrene	µg/l	0.01	NONE	2	< 0.01
Anthracene	µg/l	0.01	NONE	0.42	< 0.01
Fluoranthene	µg/l	0.01	NONE	0.24	< 0.01
Pyrene	µg/l	0.01	NONE	0.15	< 0.01
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01
Chrysene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.2	NONE	9.7	< 0.2
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Analytical Report Number: 23-69218
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Your Order No: PO-0014

Lab Sample Number	2880564	2880565
Sample Reference	BH213	BH213
Sample Number	None Supplied	None Supplied
Depth (m)	0.30	0.70
Date Sampled	13/11/2023	13/11/2023
Time Taken	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Limit of detection
		Accreditation Status

Heavy Metals / Metalloids

Antimony (dissolved)	µg/l	1.7	ISO 17025	< 1.7	3.1
Arsenic (dissolved)	µg/l	1	ISO 17025	1.4	8.9
Barium (dissolved)	µg/l	0.05	ISO 17025	150	29
Beryllium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2
Boron (dissolved)	µg/l	10	ISO 17025	< 10	15
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08	< 0.08
Chromium (hexavalent)	µg/l	5	ISO 17025	16	19
Chromium (III)	µg/l	5	NONE	16	13
Chromium (dissolved)	µg/l	0.4	ISO 17025	33	32
Copper (dissolved)	µg/l	0.7	ISO 17025	81	75
Lead (dissolved)	µg/l	1	ISO 17025	< 1.0	< 1.0
Mercury - CV-AFS	µg/l	0.007	ISO 17025	< 0.0070	0.0115
Nickel (dissolved)	µg/l	0.3	ISO 17025	4.2	5.3
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0	< 4.0
Vanadium (dissolved)	µg/l	1.7	ISO 17025	10	23
Zinc (dissolved)	µg/l	0.4	ISO 17025	4.6	7.7

Calcium (dissolved)	mg/l	0.012	ISO 17025	190	98
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Petroleum Hydrocarbons

Petroleum Range Organics (C6 - C10) HS_1D_TOTAL	µg/l	10	NONE	< 10	< 10
Diesel Range Organics (C10 - C25) EH_1D_TOTAL_MS	µg/l	10	NONE	35	< 10
Oil Range Organics (C25 - C40) EH_1D_TOTAL_MS	µg/l	10	NONE	91	< 10

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

Analytical Report Number : 23-69218

Project / Site name: Mayfields, 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 *
2880561	BH208	None Supplied	1.2	Brown sand with gravel and stones.
2880562	BH206	None Supplied	3	Brown clay and sand with gravel.
2880563	BH213	None Supplied	0.3	Brown sand with gravel.

Analytical Report Number : 23-69218
Project / Site name: Mayfields, 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
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
BS EN 12457-1 (2:1) Leachate Prep	2:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-1.	L043-PL	W	NONE
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Metals by ICP-OES in leachate	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
Boron in leachate	Determination of boron in leachate. Sample acidified and followed by ICP-OES.	In-house method based on MEWAM	L039-PL	W	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	ISO 17025
Free cyanide in leachate	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in leachate - LOW LEVEL 1 ug/l	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 (skalar)	L080-PL	W	ISO 17025
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in leachate	Determination of PAH compounds in leachate by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L102B-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
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
pH at 20oC in leachate (automated)	Determination of pH in leachate by electrometric measurement.	In house method.	L099B	W	ISO 17025
PRO (Leachates)	Determination of hydrocarbons C6-C10 by headspace GC-MS.	In-house method based on USEPA8260	L088-PL	W	NONE
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS

Analytical Report Number : 23-69218
Project / Site name: Mayfields, 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
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 cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Dissolved Organic Carbon in leachate	Determination of dissolved organic carbon in leachate by the measurement on a non-dispersive infrared analyser of carbon dioxide released by acidification.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	NONE
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260. Refer to CoA for analyte specific accreditation	L073B-PL	W	MCERTS
DRO (Leachates)	Determination of dichloromethane extractable hydrocarbons in leachate by GC-MS.	In-house method	L070-PL	W	NONE
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
Cr (III) in leachate	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID. Refer to CoA for band specific accreditation.	In-house method with silica gel split/clean up.	L088/76-PL	D	MCERTS
TPH Oils (Leachate)	Determination of dichloromethane/hexane extractable hydrocarbons in leachate by GC-MS.	In-house method	L070-PL	W	NONE
Alkali Reserve of Soils	Alkali Reserve of Soils by calculation	In house method	L046-PL	W	NONE
Total cyanide in leachate - 1µg/l	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025
Sulphate in leachates	Determination of sulphate in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil"	L039-PL	W	ISO 17025
Organic matter (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
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS

Analytical Report Number : 23-69218
Project / Site name: Mayfields, 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
Mercury Low Level in leachate	Mercury in leachate by CV-AFS,	In-house method based on USEPA method 1631	L085-PL	W	ISO 17025

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

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

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

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

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

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

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Analytical Report Number : 23-70397

Project / Site name:	Mayfield Phase 1A	Samples received on:	08/11/2023
Your job number:	51001 01	Samples instructed on/ Analysis started on:	22/11/2023
Your order number:	PO-0014	Analysis completed by:	28/11/2023
Report Issue Number:	1	Report issued on:	28/11/2023
Samples Analysed:	2 10:1 Wac samples		



Signed: _____

Anna Goc
PL Head of Reporting Team
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

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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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Environmental Science

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Waste Acceptance Criteria Analytical Results

Report No:	23-70397						
Location	Mayfield Phase 1A						
Lab Reference (Sample Number)	2886775 / 2886776						
Sampling Date	08/11/2023						
Sample ID	BH210						
Depth (m)	2.00						
Solid Waste Analysis							
TOC (%)**	1.2				3%	5%	6%
Loss on Ignition (%) **	3.5				--	--	10%
BTEX (µg/kg)** ##	< 5.0				6000	--	--
Sum of PCBs (mg/kg)**	< 0.007				1	--	--
Mineral Oil (mg/kg) EH, ID, CU, AL	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	3.54				100	--	--
pH (units)**	8.0				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	19				--	To be evaluated	To be evaluated
Eluate Analysis	10:1			10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0089			0.0886	0.5	2	25
Barium *	0.0129			0.129	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0008			0.0081	0.5	10	70
Copper *	0.013			0.13	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0053			0.0532	0.5	10	30
Nickel *	0.0020			0.020	0.4	10	40
Lead *	0.0095			0.095	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 *	0.017			0.17	4	50	200
Chloride *	1.4			14	800	15000	25000
Fluoride*	0.17			1.7	10	150	500
Sulphate *	15			150	1000	20000	50000
TDS*	49			490	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	7.60			76.0	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.90						
Dry Matter (%)	84						
Moisture (%)	16						
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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Environmental Science

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Waste Acceptance Criteria Analytical Results

Report No:	23-70397						
Location	Mayfield Phase 1A						
Lab Reference (Sample Number)	2886777 / 2886778						
Sampling Date	08/11/2023						
Sample ID	BH207						
Depth (m)	3.00						
Solid Waste Analysis							
TOC (%)**	1.4				3%	5%	6%
Loss on Ignition (%) **	3.7				--	--	10%
BTEX (µg/kg)** ##	< 5.0				6000	--	--
Sum of PCBs (mg/kg)**	< 0.007				1	--	--
Mineral Oil (mg/kg) EH, ID, CU, AL	20				500	--	--
Total PAH (WAC-17) (mg/kg)	37.5				100	--	--
pH (units)**	8.2				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	7.6				--	To be evaluated	To be evaluated
Eluate Analysis	10:1			10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0255			0.255	0.5	2	25
Barium *	0.0319			0.319	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0014			0.014	0.5	10	70
Copper *	0.017			0.16	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0079			0.0793	0.5	10	30
Nickel *	0.0023			0.023	0.4	10	40
Lead *	0.018			0.18	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 *	0.016			0.16	4	50	200
Chloride *	3.0			30	800	15000	25000
Fluoride*	0.17			1.7	10	150	500
Sulphate *	110			1100	1000	20000	50000
TDS*	150			1500	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	5.87			58.7	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.90						
Dry Matter (%)	84						
Moisture (%)	16						
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 : 23-70397
Project / Site name: Mayfield Phase 1A

* 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 *
2886775	BH210	None Supplied	2	Brown sandy clay with gravel.
2886777	BH207	None Supplied	3	Brown clay and sand with gravel.

Analytical Report Number : 23-70397
Project / Site name: Mayfield Phase 1A

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. Refer to CoA for analyte specific accreditation	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. Refer to CoA for analyte specific accreditation	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

Analytical Report Number : 23-70397
Project / Site name: Mayfield Phase 1A

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-PL	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

- Quality control parameter has a high recovery (outside of limit); however the associated result is below the reporting limit, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised

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Analytical Report Number : 23-70501

Project / Site name:	Mayfield Phase 1A	Samples received on:	10/11/2023
Your job number:	51001	Samples instructed on/ Analysis started on:	22/11/2023
Your order number:	PO-0014	Analysis completed by:	29/11/2023
Report Issue Number:	1	Report issued on:	29/11/2023
Samples Analysed:	3 10:1 WAC samples		



Signed:

Anna Goc
PL Head of Reporting Team
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

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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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Environmental Science

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Waste Acceptance Criteria Analytical Results							
Report No:	23-70501						
				Client: CIVICEARTH			
Location	Mayfield Phase 1A						
Lab Reference (Sample Number)	2887152 / 2887153			Landfill Waste Acceptance Criteria			
				Limits			
Sampling Date	09/10/2023			Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill	
Sample ID	BH211						
Depth (m)	1.20						
Solid Waste Analysis							
TOC (%)**	1.1			3%	5%	6%	
Loss on Ignition (%) **	3.5			--	--	10%	
BTEX (µg/kg)**	< 5.0			600	--	--	
Sum of PCBs (mg/kg)**	< 0.007			1	--	--	
Mineral Oil (mg/kg) BH, ID, CU, AL	20			500	--	--	
Total PAH (WAC-17) (mg/kg)	30.7			100	--	--	
pH (units)**	8.1			--	>6	--	
Acid Neutralisation Capacity (mmol / kg)	8.9			--	To be evaluated	To be evaluated	
Eluate Analysis	10:1			10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0475			0.476	0.5	2	25
Barium *	0.0179			0.179	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0021			0.022	0.5	10	70
Copper *	0.027			0.27	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0128			0.128	0.5	10	30
Nickel *	0.0018			0.018	0.4	10	40
Lead *	0.0082			0.082	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 *	0.0088			0.089	4	50	200
Chloride *	4.7			47	800	15000	25000
Fluoride*	0.55			5.5	10	150	500
Sulphate *	48			480	1000	20000	50000
TDS*	110			1100	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	12.6			126	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							
Report No:	23-70501						
					Client: CIVICEARTH		
Location	Mayfield Phase 1A						
Lab Reference (Sample Number)	2887154 / 2887155				Landfill Waste Acceptance Criteria		
Sampling Date	09/10/2023				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	BH214						
Depth (m)	2.00						
Solid Waste Analysis							
TOC (%)**	0.4				3%	5%	6%
Loss on Ignition (%) **	1.2				--	--	10%
BTEX (µg/kg)**	< 5.0				6000	--	--
Sum of PCBs (mg/kg)**	< 0.007				1	--	--
Mineral Oil (mg/kg) EH, ID, CU, AL	22				500	--	--
Total PAH (WAC-17) (mg/kg)	3.98				100	--	--
pH (units)**	9.6				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	44				--	To be evaluated	To be evaluated
Eluate Analysis	10:1			10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0143			0.143	0.5	2	25
Barium *	0.0123			0.123	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0026			0.026	0.5	10	70
Copper *	0.023			0.23	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0069			0.0688	0.5	10	30
Nickel *	0.0014			0.014	0.4	10	40
Lead *	0.0048			0.048	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 *	0.0084			0.084	4	50	200
Chloride *	1.5			15	800	15000	25000
Fluoride*	0.34			3.4	10	150	500
Sulphate *	25			250	1000	20000	50000
TDS*	94			940	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	11.0			110	500	800	1000
Leach Test Information							
Stone Content (%)	0.1						
Sample Mass (kg)	0.90						
Dry Matter (%)	86						
Moisture (%)	14						
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.
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Waste Acceptance Criteria Analytical Results							
Report No:	23-70501						
					Client: CIVICEARTH		
Location	Mayfield Phase 1A						
Lab Reference (Sample Number)	2887156 / 2887157				Landfill Waste Acceptance Criteria		
Sampling Date	09/10/2023				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	BH202						
Depth (m)	0.70						
Solid Waste Analysis							
TOC (%)**	0.3				3%	5%	6%
Loss on Ignition (%) **	1.5				--	--	10%
BTEX (µg/kg)**	< 5.0				600	--	--
Sum of PCBs (mg/kg)**	< 0.007				1	--	--
Mineral Oil (mg/kg) EH, 10, CU, AL	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	10.3				100	--	--
pH (units)**	9.6				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	26				--	To be evaluated	To be evaluated
Eluate Analysis		10:1		10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)		mg/l		mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0158			0.158	0.5	2	25
Barium *	0.0138			0.138	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0030			0.030	0.5	10	70
Copper *	0.019			0.19	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0048			0.0476	0.5	10	30
Nickel *	0.0012			0.012	0.4	10	40
Lead *	0.0012			0.012	0.5	10	50
Antimony *	0.0053			0.053	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0057			0.057	4	50	200
Chloride *	1.8			18	800	15000	25000
Fluoride*	0.45			4.5	10	150	500
Sulphate *	20			200	1000	20000	50000
TDS*	84			840	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	9.57			95.7	500	800	1000
Leach Test Information							
Stone Content (%)	0.1						
Sample Mass (kg)	0.80						
Dry Matter (%)	90						
Moisture (%)	10						
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 : 23-70501
Project / Site name: Mayfield Phase 1A

* 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 *
2887152	BH211	None Supplied	1.2	Brown sand with gravel.
2887154	BH214	None Supplied	2	Brown sand.
2887156	BH202	None Supplied	0.7	Brown sand.

Analytical Report Number : 23-70501
Project / Site name: Mayfield Phase 1A

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. Refer to CoA for analyte specific accreditation	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. Refer to CoA for analyte specific accreditation	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

Analytical Report Number : 23-70501
Project / Site name: Mayfield Phase 1A

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-PL	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 30°C.

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

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 : 23-70501

Project / Site name: Mayfield Phase 1A

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
BH202	None Supplied	S	2887156	c	Acid neutralisation capacity of soil	L046-PL	c
BH202	None Supplied	S	2887156	c	BTEX in soil (Monoaromatics)	L073B-PL	c
BH202	None Supplied	S	2887156	c	Loss on ignition of soil @ 450oC	L047-PL	c
BH202	None Supplied	S	2887156	c	Mineral Oil (Soil) C10 - C40	L076-PL	c
BH202	None Supplied	S	2887156	c	Organic matter (Automated) in soil	L009-PL	c
BH202	None Supplied	S	2887156	c	PCB's By GC-MS in soil	L027-PL	c
BH202	None Supplied	S	2887156	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH202	None Supplied	S	2887156	c	Total BTEX in soil (Poland)	L073-PL	c
BH202	None Supplied	S	2887156	c	Total organic carbon (Automated) in soil	L009-PL	c
BH202	None Supplied	S	2887156	c	pH at 20oC in soil	L005-PL	c
BH211	None Supplied	S	2887152	c	Acid neutralisation capacity of soil	L046-PL	c
BH211	None Supplied	S	2887152	c	BTEX in soil (Monoaromatics)	L073B-PL	c
BH211	None Supplied	S	2887152	c	Loss on ignition of soil @ 450oC	L047-PL	c
BH211	None Supplied	S	2887152	c	Mineral Oil (Soil) C10 - C40	L076-PL	c
BH211	None Supplied	S	2887152	c	Organic matter (Automated) in soil	L009-PL	c
BH211	None Supplied	S	2887152	c	PCB's By GC-MS in soil	L027-PL	c
BH211	None Supplied	S	2887152	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH211	None Supplied	S	2887152	c	Total BTEX in soil (Poland)	L073-PL	c
BH211	None Supplied	S	2887152	c	Total organic carbon (Automated) in soil	L009-PL	c
BH211	None Supplied	S	2887152	c	pH at 20oC in soil	L005-PL	c
BH214	None Supplied	S	2887154	c	Acid neutralisation capacity of soil	L046-PL	c
BH214	None Supplied	S	2887154	c	BTEX in soil (Monoaromatics)	L073B-PL	c
BH214	None Supplied	S	2887154	c	Loss on ignition of soil @ 450oC	L047-PL	c
BH214	None Supplied	S	2887154	c	Mineral Oil (Soil) C10 - C40	L076-PL	c
BH214	None Supplied	S	2887154	c	Organic matter (Automated) in soil	L009-PL	c
BH214	None Supplied	S	2887154	c	PCB's By GC-MS in soil	L027-PL	c
BH214	None Supplied	S	2887154	c	Speciated WAC-17 PAHs in soil	L064-PL	c
BH214	None Supplied	S	2887154	c	Total BTEX in soil (Poland)	L073-PL	c
BH214	None Supplied	S	2887154	c	Total organic carbon (Automated) in soil	L009-PL	c
BH214	None Supplied	S	2887154	c	pH at 20oC in soil	L005-PL	c



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e: Hal.Godwin@civicearth.com

Analytical Report Number : 23-71634

Project / Site name:	Mayfields, Manchester	Samples received on:	15/11/2023
Your job number:	51001	Samples instructed on/ Analysis started on:	28/11/2023
Your order number:	PO-0014	Analysis completed by:	06/12/2023
Report Issue Number:	1	Report issued on:	06/12/2023
Samples Analysed:	2 10:1 WAC samples		

Signed:

Karolina Marek
PL Head of Reporting Team
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

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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:	23-71634						
					Client: CIVICEARTH		
Location	Mayfields, Manchester						
Lab Reference (Sample Number)	2892947 / 2892948				Landfill Waste Acceptance Criteria		
					Limits		
Sampling Date	13/11/2023				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	BH208						
Depth (m)	1.20						
Solid Waste Analysis							
TOC (%)**	1.0				3%	5%	6%
Loss on Ignition (%) **	2.4				--	--	10%
BTEX (µg/kg)**	< 5.0				6000	--	--
Sum of PCBs (mg/kg)**	< 0.007				1	--	--
Mineral Oil (mg/kg) EH, ID, CU, AL	< 10				500	--	--
Total PAH (WAC-17) (mg/kg)	28.6				100	--	--
pH (units)**	8.1				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	5.2				--	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 *	0.0318			0.318	0.5	2	25
Barium *	0.0255			0.255	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0034			0.034	0.5	10	70
Copper *	0.015			0.15	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0047			0.0470	0.5	10	30
Nickel *	0.0025			0.025	0.4	10	40
Lead *	0.022			0.22	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 *	0.050			0.50	4	50	200
Chloride *	1.9			19	800	15000	25000
Fluoride*	0.34			3.4	10	150	500
Sulphate *	33			330	1000	20000	50000
TDS*	77			770	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	5.53			55.3	500	800	1000
Leach Test Information							
Stone Content (%)	26						
Sample Mass (kg)	0.80						
Dry Matter (%)	91						
Moisture (%)	8.9						
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.

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Waste Acceptance Criteria Analytical Results

Waste Acceptance Criteria Analytical Results							
Report No:	23-71634						
					Client: CIVICEARTH		
Location	Mayfields, Manchester						
Lab Reference (Sample Number)	2892949 / 2892950				Landfill Waste Acceptance Criteria		
					Limits		
Sampling Date	13/11/2023				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	BH206						
Depth (m)	3.00						
Solid Waste Analysis							
TOC (%)**	1.3				3%	5%	6%
Loss on Ignition (%) **	3.8				--	--	10%
BTEX (µg/kg)**	< 5.0				6000	--	--
Sum of PCBs (mg/kg)**	< 0.007				1	--	--
Mineral Oil (mg/kg) EH, ID, CU, AL	11				500	--	--
Total PAH (WAC-17) (mg/kg)	37.2				100	--	--
pH (units)**	7.8				--	>6	--
Acid Neutralisation Capacity (mmol / kg)	3.4				--	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 *	0.0380			0.380	0.5	2	25
Barium *	0.0271			0.271	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0033			0.033	0.5	10	70
Copper *	0.024			0.24	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0103			0.103	0.5	10	30
Nickel *	0.0028			0.028	0.4	10	40
Lead *	0.021			0.21	0.5	10	50
Antimony *	0.0056			0.056	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.032			0.32	4	50	200
Chloride *	5.3			53	800	15000	25000
Fluoride*	0.29			2.9	10	150	500
Sulphate *	65			650	1000	20000	50000
TDS*	110			1100	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	6.48			64.8	500	800	1000
Leach Test Information							
Stone Content (%)	< 0.1						
Sample Mass (kg)	0.90						
Dry Matter (%)	86						
Moisture (%)	14						
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 : 23-71634

Project / Site name: Mayfields, 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 *
2892947	BH208	None Supplied	1.2	Brown sand with gravel and stones.
2892949	BH206	None Supplied	3	Brown clay and sand with gravel.

Analytical Report Number : 23-71634

Project / Site name: Mayfields, 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. Refer to CoA for analyte specific accreditation	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. Refer to CoA for analyte specific accreditation	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

Analytical Report Number : 23-71634

Project / Site name: Mayfields, 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
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-PL	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 : 23-71634

Project / Site name: Mayfields, 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
BH206	None Supplied	S	2892949	c	BTEX in soil (Monoaromatics)	L073B-PL	c
BH206	None Supplied	S	2892949	c	Total BTEX in soil (Poland)	L073-PL	c
BH208	None Supplied	S	2892947	c	BTEX in soil (Monoaromatics)	L073B-PL	c
BH208	None Supplied	S	2892947	c	Total BTEX in soil (Poland)	L073-PL	c

Appendix E
Geotechnical Laboratory Analysis Results

GEOLABS Limited
Unit D3 HRS Business Park
Granby Avenue
Birmingham
B33 0SJ

Tel: +44(0) 121 296 4600
Fax: +44(0) 121 296 4599
email: admin@geolabs.co.uk
web: www.geolabs.co.uk

Civic Earth Limited
Carvers Warehouse
77 Dale Street
Manchester
M1 2HG

30 November 2023

Report No : GEO/39322/01

Page 1 of 1

For the attention of Mr H Godwin / Ms K Poore

Our ref **GEO / 39322**
Your Ref **51001**

Date samples received 14/11/2023
Date written instructions received 14/11/2023
Date testing commenced 15/11/2023
Date of sample disposal 28/12/2023

Project **MAYFIELDS, MANCHESTER**

Further to your instructions we have pleasure in enclosing the results of the tests you requested in the attached figures.

LABORATORY TEST REPORT

Item No	Test Quantity	Description
1	3	Particle Size Distribution

Any opinions or interpretations expressed herein are outside the scope of UKAS accreditation. All results contained in this report are provisional unless signed by an approved signatory. The results contained in this report relate only to samples received in the laboratory and are tested 'as received' unless otherwise stated. This report should not be reproduced, except in full, without the written approval of the laboratory. The results reported are applicable only to the test items received by the laboratory.

All the necessary data required by the documented test procedures has been recorded and will be stored for a period of not less than 6 years. This data will be issued to yourselves at your request. All samples will be disposed of after the date shown above. Written confirmation will be required to retain the samples beyond this period and a storage charge may be applied.

We trust that the above meets your requirements and should you require any further information or assistance, please do not hesitate to contact us.

Yours faithfully
on behalf of **GEOLABS Limited**



J A Reynolds
Director

PARTICLE SIZE DISTRIBUTION

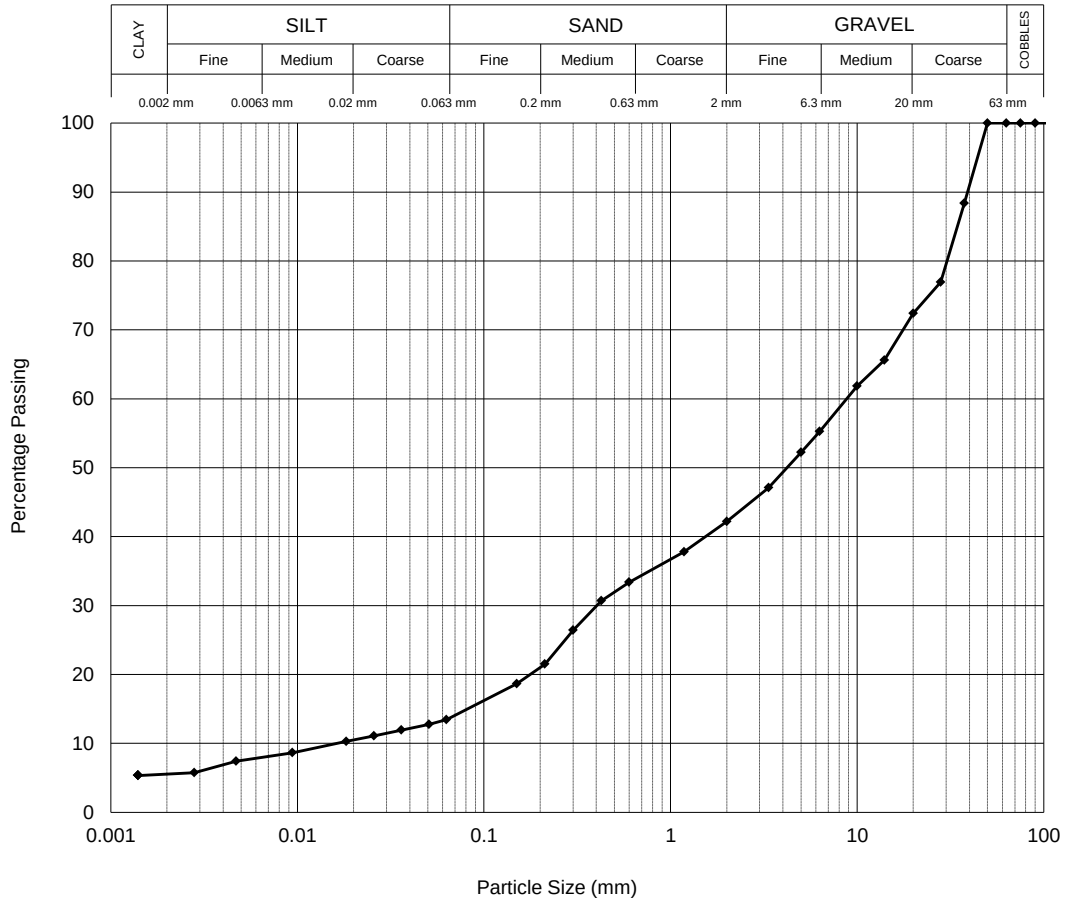
Location BH213
Depth (m) 0.30-0.40
Sample Type B

Description

Dark brown MADE GROUND.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve
BS EN ISO 17892-4 : 2016 : Clause 5.3 - Sedimentation by Hydrometer

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	88
28.0 mm	77
20.0 mm	72
14.0 mm	66
10.0 mm	62
6.30 mm	55
5.00 mm	52
3.35 mm	47
2.00 mm	42
1.18 mm	38
600 µm	33
425 µm	31
300 µm	26
212 µm	22
150 µm	19
63 µm	13



Sedimentation	
No Pre-treatment used	
Temp (°C)	25.7
Size	% Pass
51 µm	13
36 µm	12
26 µm	11
18 µm	10
9.4 µm	9
4.7 µm	7
2.8 µm	6
1.4 µm	5

Particle Density 2.70(A) Mg/m³

Particle Proportions	
Cobbles	0.0
Gravel	57.8
Sand	28.7
Silt	7.9
Clay	5.6

Tested by PK
Checked and Approved by

J A Reynolds - Director
30/11/2023

Project Number:

GEO / 39322

Project Name:

MAYFIELDS, MANCHESTER
51001



PARTICLE SIZE DISTRIBUTION

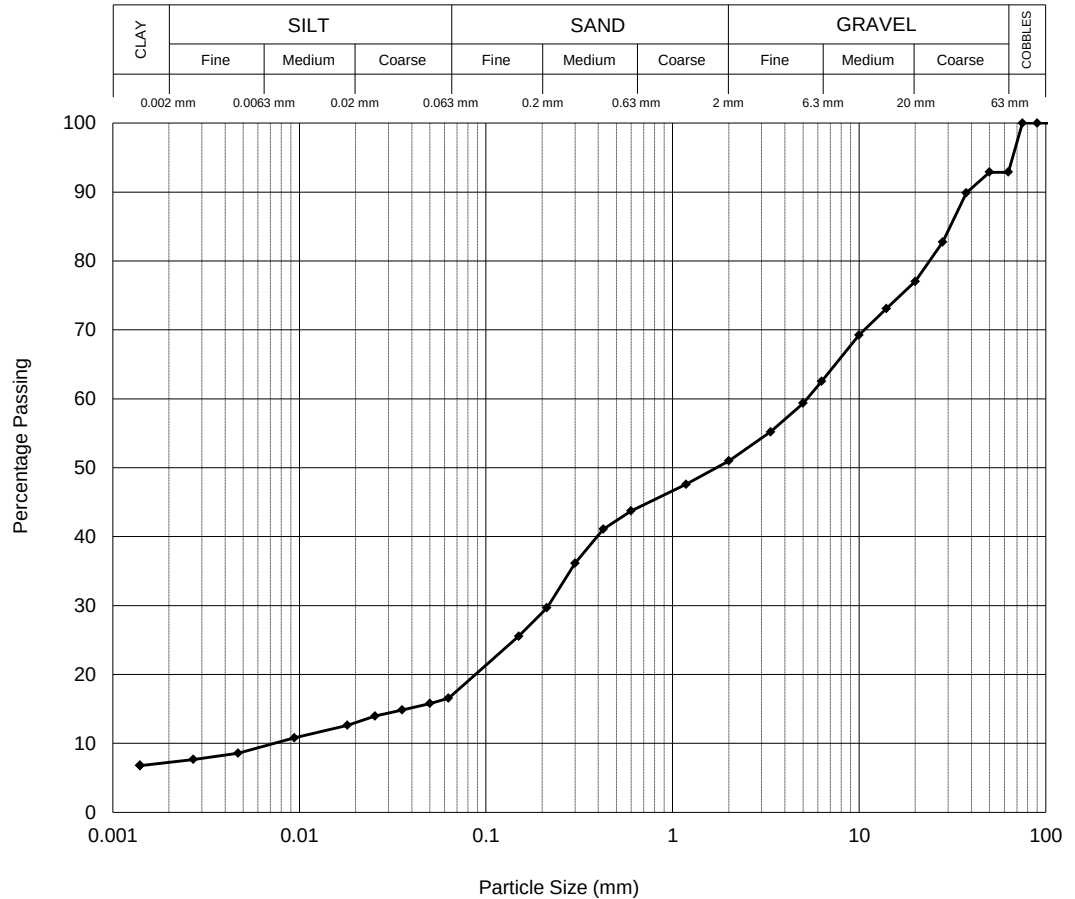
Location BH213
Depth (m) 0.70-0.80
Sample Type B

Description

Dark brown MADE GROUND.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve
BS EN ISO 17892-4 : 2016 : Clause 5.3 - Sedimentation by Hydrometer

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	93
50.0 mm	93
37.5 mm	90
28.0 mm	83
20.0 mm	77
14.0 mm	73
10.0 mm	69
6.30 mm	63
5.00 mm	59
3.35 mm	55
2.00 mm	51
1.18 mm	48
600 µm	44
425 µm	41
300 µm	36
212 µm	30
150 µm	26
63 µm	17



Sedimentation	
No Pre-treatment used	
Temp (°C)	25.6
Size	% Pass
50 µm	16
36 µm	15
25 µm	14
18 µm	13
9.4 µm	11
4.7 µm	9
2.7 µm	8
1.4 µm	7

Particle Density 2.70(A) Mg/m³

Particle Proportions	
Cobbles	7.1
Gravel	41.9
Sand	34.4
Silt	9.4
Clay	7.2

Tested by PK
Checked and Approved by

J A Reynolds

J A Reynolds - Director
30/11/2023

Project Number:

GEO / 39322

Project Name:

MAYFIELDS, MANCHESTER
51001



PARTICLE SIZE DISTRIBUTION

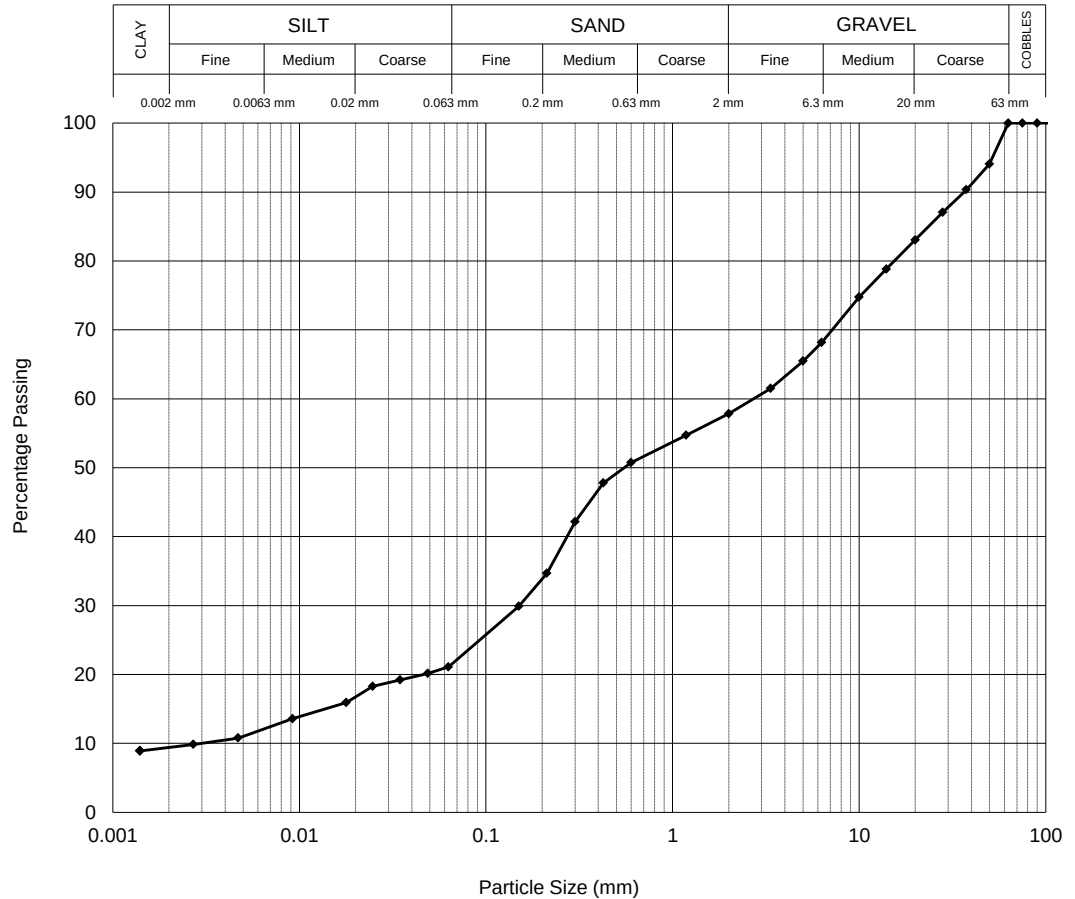
Location BH213
Depth (m) 1.20-1.65
Sample Type B

Description

Dark grey MADE GROUND.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve
BS EN ISO 17892-4 : 2016 : Clause 5.3 - Sedimentation by Hydrometer

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	94
37.5 mm	90
28.0 mm	87
20.0 mm	83
14.0 mm	79
10.0 mm	75
6.30 mm	68
5.00 mm	65
3.35 mm	61
2.00 mm	58
1.18 mm	55
600 µm	51
425 µm	48
300 µm	42
212 µm	35
150 µm	30
63 µm	21



Sedimentation	
No Pre-treatment used	
Temp (°C)	25.7
Size	% Pass
49 µm	20
35 µm	19
25 µm	18
18 µm	16
9.2 µm	14
4.7 µm	11
2.7 µm	10
1.4 µm	9

Particle Density 2.70(A) Mg/m³

Particle Proportions	
Cobbles	0.0
Gravel	42.1
Sand	36.7
Silt	11.8
Clay	9.4

Tested by PK
Checked and Approved by

J A Reynolds

J A Reynolds - Director
30/11/2023

Project Number:

GEO / 39322

Project Name:

MAYFIELDS, MANCHESTER
51001

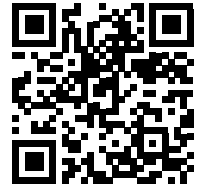


Appendix F
HazWaste Online Classification Reports

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)



MFJ2G-7OGJD-7NK9V

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

Job name

23-67740_HWOL

Description/Comments

i2 Analytical Report 23-67740

Project

51001/01

Site

Mayfield Phase 1A

Classified by

Name: **Kirsty Poore**
Date: **29 Nov 2023 10:01 GMT**
Telephone: **07983 740199**
Company: **Civic Earth Limited**
77 Dale Street
Manchester
M12HG

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
05 Oct 2023

Next 3 year Refresher due by Oct 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

Land off Baring Street

Post Code **M12 6HW**

SIC for the process giving rise to the waste

41201 Construction of commercial buildings

Description of industry/producer giving rise to the waste

Redevelopment of former industrial site into residential-led development.

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

Waste created during the excavation of soils during site investigation.

Description of the waste

Made Ground comprising 6F2 and gravelly sandy clay comprising brick and concrete.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH201--08112023-0.30	0.30	Non Hazardous		3
2	BH201--08112023-0.70	0.70	Non Hazardous		6
3	BH210--08112023-0.70	0.70	Non Hazardous		9
4	BH210--08112023-2.00	2.00	Non Hazardous		12
5	BH209--08112023-0.30	0.30	Non Hazardous		15
6	BH209--08112023-3.00	3.00	Non Hazardous		18
7	BH207--08112023-1.20	1.20	Non Hazardous		21
8	BH207--08112023-3.00	3.00	Non Hazardous		24

Related documents

#	Name	Description
1	23-67740_HWOL_Results[2].hwol	i2 Analytical .hwol file used to populate the Job
2	Civic Earth Soil Suite 3 Waste Stream - i2	waste stream template used to create this Job

Report

Created by: Kirsty Poore

Created date: 29 Nov 2023 10:01 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	27
Appendix B: Rationale for selection of metal species	28
Appendix C: Version	29

Classification of sample: BH201--08112023-0.30

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

Sample details

Sample name:	LoW Code:
BH201--08112023-0.30	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 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

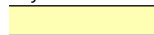
Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	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				10.3 pH		10.3	pH	10.3 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186								
4	antimony { antimony trioxide }				5.7 mg/kg	1.197	5.936	mg/kg	0.000594 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				36 mg/kg	1.534	48.041	mg/kg	0.0048 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				190 mg/kg	1.623	268.36	mg/kg	0.0268 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.81 mg/kg	2.775	1.956	mg/kg	0.000196 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				0.6 mg/kg	3.22	1.681	mg/kg	0.000168 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9								
12	copper { dicopper oxide; copper (I) oxide }				60 mg/kg	1.126	58.771	mg/kg	0.00588 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	190 mg/kg		165.3	mg/kg	0.0165 %	✓	
	082-001-00-6										

#		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							
14		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							
15		nickel { nickel sulfate }				17 mg/kg	2.637	38.997 mg/kg	0.0039 %		
		028-009-00-5	232-104-9	7786-81-4							
16		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5							
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				22 mg/kg	1.785	34.168 mg/kg	0.00342 %		
		023-001-00-8	215-239-8	1314-62-1							
18		zinc { zinc chloride }				140 mg/kg	2.085	253.895 mg/kg	0.0254 %		
		030-003-00-2	231-592-0	7646-85-7							
19		TPH (C6 to C40) petroleum group				401 mg/kg		348.87 mg/kg	0.0349 %		
				TPH							
20		benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
21		toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
22		ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
24		naphthalene				0.35 mg/kg		0.305 mg/kg	0.0000305 %		
		601-052-00-2	202-049-5	91-20-3							
25		acenaphthylene				0.08 mg/kg		0.0696 mg/kg	0.0000696 %		
			205-917-1	208-96-8							
26		acenaphthene				0.48 mg/kg		0.418 mg/kg	0.0000418 %		
			201-469-6	83-32-9							
27		fluorene				0.34 mg/kg		0.296 mg/kg	0.0000296 %		
			201-695-5	86-73-7							
28		phenanthrene				3.2 mg/kg		2.784 mg/kg	0.000278 %		
			201-581-5	85-01-8							
29		anthracene				0.83 mg/kg		0.722 mg/kg	0.0000722 %		
			204-371-1	120-12-7							
30		fluoranthene				5.8 mg/kg		5.046 mg/kg	0.000505 %		
			205-912-4	206-44-0							
31		pyrene				5.4 mg/kg		4.698 mg/kg	0.00047 %		
			204-927-3	129-00-0							
32		benzo[a]anthracene				2.6 mg/kg		2.262 mg/kg	0.000226 %		
		601-033-00-9	200-280-6	56-55-3							
33		chrysene				2.7 mg/kg		2.349 mg/kg	0.000235 %		
		601-048-00-0	205-923-4	218-01-9							
34		benzo[b]fluoranthene				3 mg/kg		2.61 mg/kg	0.000261 %		
		601-034-00-4	205-911-9	205-99-2							
35		benzo[k]fluoranthene				1.5 mg/kg		1.305 mg/kg	0.000131 %		
		601-036-00-5	205-916-6	207-08-9							
36		benzo[a]pyrene; benzo[def]chrysene				2.6 mg/kg		2.262 mg/kg	0.000226 %		
		601-032-00-3	200-028-5	50-32-8							
37		indeno[123-cd]pyrene				1.2 mg/kg		1.044 mg/kg	0.000104 %		
			205-893-2	193-39-5							
38		dibenz[a,h]anthracene				0.38 mg/kg		0.331 mg/kg	0.0000331 %		
		601-041-00-2	200-181-8	53-70-3							
39		benzo[ghi]perylene				1.4 mg/kg		1.218 mg/kg	0.000122 %		
			205-883-8	191-24-2							
40		coronene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-881-7	191-07-1							
41		asbestos				<0.001 %		<0.001 %	<0.001 %		<LOD
		650-013-00-6	- - - - -	12001-28-4 132207-32-0 12172-73-5							

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.13 %		

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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0349%)

Classification of sample: BH201--08112023-0.70

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

Sample details

Sample name:	LoW Code:
BH201--08112023-0.70	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)
0.70 m	
Moisture content:	
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		8.1 pH		8.1	pH	8.1 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols		P1186		<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
4	antimony { antimony trioxide }				4.2 mg/kg	1.197	4.374	mg/kg	0.000437 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				31 mg/kg	1.534	41.369	mg/kg	0.00414 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				200 mg/kg	1.623	282.484	mg/kg	0.0282 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.76 mg/kg	2.775	1.835	mg/kg	0.000184 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				1.2 mg/kg	3.22	3.362	mg/kg	0.000336 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	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								
12	copper { dicopper oxide; copper (I) oxide }				110 mg/kg	1.126	107.748	mg/kg	0.0108 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	210 mg/kg		182.7	mg/kg	0.0183 %	✓	
	082-001-00-6										

#	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							
14	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.7 mg/kg	1.353	0.824 mg/kg	0.0000824 %	✓	
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4	16 mg/kg	2.637	36.703 mg/kg	0.00367 %	✓	
16	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	20 mg/kg	1.785	31.062 mg/kg	0.00311 %	✓	
18	zinc { zinc chloride }	030-003-00-2	231-592-0	7646-85-7	120 mg/kg	2.085	217.624 mg/kg	0.0218 %	✓	
19	TPH (C6 to C40) petroleum group			TPH	225 mg/kg		195.75 mg/kg	0.0196 %	✓	
20	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	naphthalene	601-052-00-2	202-049-5	91-20-3	0.38 mg/kg		0.331 mg/kg	0.0000331 %	✓	
25	acenaphthylene		205-917-1	208-96-8	0.09 mg/kg		0.0783 mg/kg	0.00000783 %	✓	
26	acenaphthene		201-469-6	83-32-9	0.48 mg/kg		0.418 mg/kg	0.0000418 %	✓	
27	fluorene		201-695-5	86-73-7	0.4 mg/kg		0.348 mg/kg	0.0000348 %	✓	
28	phenanthrene		201-581-5	85-01-8	2.9 mg/kg		2.523 mg/kg	0.000252 %	✓	
29	anthracene		204-371-1	120-12-7	0.72 mg/kg		0.626 mg/kg	0.0000626 %	✓	
30	fluoranthene		205-912-4	206-44-0	4.2 mg/kg		3.654 mg/kg	0.000365 %	✓	
31	pyrene		204-927-3	129-00-0	3.8 mg/kg		3.306 mg/kg	0.000331 %	✓	
32	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.8 mg/kg		1.566 mg/kg	0.000157 %	✓	
33	chrysene	601-048-00-0	205-923-4	218-01-9	1.8 mg/kg		1.566 mg/kg	0.000157 %	✓	
34	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2.4 mg/kg		2.088 mg/kg	0.000209 %	✓	
35	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.77 mg/kg		0.67 mg/kg	0.000067 %	✓	
36	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.9 mg/kg		1.653 mg/kg	0.000165 %	✓	
37	indeno[123-cd]pyrene		205-893-2	193-39-5	0.96 mg/kg		0.835 mg/kg	0.0000835 %	✓	
38	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.27 mg/kg		0.235 mg/kg	0.0000235 %	✓	
39	benzo[ghi]perylene		205-883-8	191-24-2	1.1 mg/kg		0.957 mg/kg	0.0000957 %	✓	
40	coronene		205-881-7	191-07-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
41	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
Total:								0.116 %		

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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0196%)

Classification of sample: BH210--08112023-0.70

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

Sample details

Sample name:	LoW Code:
BH210--08112023-0.70	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.70 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14%	
(wet weight correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH				10.2 pH		10.2	pH	10.2 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186								
4	antimony { antimony trioxide }				3.8 mg/kg	1.197	3.912	mg/kg	0.000391 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				74 mg/kg	1.534	97.616	mg/kg	0.00976 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				170 mg/kg	1.623	237.352	mg/kg	0.0237 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.86 mg/kg	2.775	2.053	mg/kg	0.000205 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				0.5 mg/kg	3.22	1.385	mg/kg	0.000138 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9								
12	copper { dicopper oxide; copper (I) oxide }				63 mg/kg	1.126	61.001	mg/kg	0.0061 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	220 mg/kg		189.2	mg/kg	0.0189 %	✓	
	082-001-00-6										

#		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									
14		mercury { mercury dichloride }				0.9	mg/kg	1.353	1.048	mg/kg	0.000105 %	✓	
		080-010-00-X	231-299-8	7487-94-7									
15		nickel { nickel sulfate }				15	mg/kg	2.637	34.013	mg/kg	0.0034 %	✓	
		028-009-00-5	232-104-9	7786-81-4									
16		selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5									
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				20	mg/kg	1.785	30.705	mg/kg	0.00307 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc chloride }				130	mg/kg	2.085	233.049	mg/kg	0.0233 %	✓	
		030-003-00-2	231-592-0	7646-85-7									
19		TPH (C6 to C40) petroleum group				311	mg/kg		267.46	mg/kg	0.0267 %	✓	
				TPH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
24		naphthalene				0.45	mg/kg		0.387	mg/kg	0.0000387 %	✓	
		601-052-00-2	202-049-5	91-20-3									
25		acenaphthylene				0.12	mg/kg		0.103	mg/kg	0.0000103 %	✓	
			205-917-1	208-96-8									
26		acenaphthene				0.44	mg/kg		0.378	mg/kg	0.0000378 %	✓	
			201-469-6	83-32-9									
27		fluorene				0.42	mg/kg		0.361	mg/kg	0.0000361 %	✓	
			201-695-5	86-73-7									
28		phenanthrene				3.1	mg/kg		2.666	mg/kg	0.000267 %	✓	
			201-581-5	85-01-8									
29		anthracene				0.68	mg/kg		0.585	mg/kg	0.0000585 %	✓	
			204-371-1	120-12-7									
30		fluoranthene				4	mg/kg		3.44	mg/kg	0.000344 %	✓	
			205-912-4	206-44-0									
31		pyrene				3.7	mg/kg		3.182	mg/kg	0.000318 %	✓	
			204-927-3	129-00-0									
32		benzo[a]anthracene				1.9	mg/kg		1.634	mg/kg	0.000163 %	✓	
		601-033-00-9	200-280-6	56-55-3									
33		chrysene				1.7	mg/kg		1.462	mg/kg	0.000146 %	✓	
		601-048-00-0	205-923-4	218-01-9									
34		benzo[b]fluoranthene				2.3	mg/kg		1.978	mg/kg	0.000198 %	✓	
		601-034-00-4	205-911-9	205-99-2									
35		benzo[k]fluoranthene				0.89	mg/kg		0.765	mg/kg	0.0000765 %	✓	
		601-036-00-5	205-916-6	207-08-9									
36		benzo[a]pyrene; benzo[def]chrysene				2.1	mg/kg		1.806	mg/kg	0.000181 %	✓	
		601-032-00-3	200-028-5	50-32-8									
37		indeno[123-cd]pyrene				1	mg/kg		0.86	mg/kg	0.000086 %	✓	
			205-893-2	193-39-5									
38		dibenz[a,h]anthracene				0.26	mg/kg		0.224	mg/kg	0.0000224 %	✓	
		601-041-00-2	200-181-8	53-70-3									
39		benzo[ghi]perylene				1.1	mg/kg		0.946	mg/kg	0.0000946 %	✓	
			205-883-8	191-24-2									
40		coronene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-881-7	191-07-1									
41		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [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							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
Total:								0.121 %		

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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0267%)

Classification of sample: BH210--08112023-2.00

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

Sample details

Sample name:	LoW Code:
BH210--08112023-2.00	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
2.00 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 16% 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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols		P1186		<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
4	antimony { antimony trioxide }				3.5 mg/kg	1.197	3.519	mg/kg	0.000352 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				27 mg/kg	1.534	34.788	mg/kg	0.00348 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				73 mg/kg	1.623	99.551	mg/kg	0.00996 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				1.1 mg/kg	2.775	2.564	mg/kg	0.000256 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				1.1 mg/kg	3.22	2.975	mg/kg	0.000298 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	14.616	mg/kg	0.00146 %		
		215-160-9	1308-38-9								
12	copper { dicopper oxide; copper (I) oxide }				82 mg/kg	1.126	77.551	mg/kg	0.00776 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	730 mg/kg		613.2	mg/kg	0.0613 %	✓	
	082-001-00-6										

#	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									
14	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.3	mg/kg	1.353	0.341	mg/kg	0.0000341 %	✓	
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4	18	mg/kg	2.637	39.867	mg/kg	0.00399 %	✓	
16	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	1.2	mg/kg	2.554	2.574	mg/kg	0.000257 %	✓	
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	19	mg/kg	1.785	28.492	mg/kg	0.00285 %	✓	
18	zinc { zinc chloride }	030-003-00-2	231-592-0	7646-85-7	49	mg/kg	2.085	85.799	mg/kg	0.00858 %	✓	
19	TPH (C6 to C40) petroleum group		TPH		<20	mg/kg		<20	mg/kg	<0.002 %		<LOD
20	benzene	601-020-00-8	200-753-7	71-43-2	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
23	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
24	naphthalene	601-052-00-2	202-049-5	91-20-3	0.12	mg/kg		0.101	mg/kg	0.0000101 %	✓	
25	acenaphthylene		205-917-1	208-96-8	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	acenaphthene		201-469-6	83-32-9	0.08	mg/kg		0.0672	mg/kg	0.00000672 %	✓	
27	fluorene		201-695-5	86-73-7	0.07	mg/kg		0.0588	mg/kg	0.00000588 %	✓	
28	phenanthrene		201-581-5	85-01-8	0.49	mg/kg		0.412	mg/kg	0.0000412 %	✓	
29	anthracene		204-371-1	120-12-7	0.12	mg/kg		0.101	mg/kg	0.0000101 %	✓	
30	fluoranthene		205-912-4	206-44-0	0.66	mg/kg		0.554	mg/kg	0.0000554 %	✓	
31	pyrene		204-927-3	129-00-0	0.65	mg/kg		0.546	mg/kg	0.0000546 %	✓	
32	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.26	mg/kg		0.218	mg/kg	0.0000218 %	✓	
33	chrysene	601-048-00-0	205-923-4	218-01-9	0.3	mg/kg		0.252	mg/kg	0.0000252 %	✓	
34	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.36	mg/kg		0.302	mg/kg	0.0000302 %	✓	
35	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.13	mg/kg		0.109	mg/kg	0.0000109 %	✓	
36	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.29	mg/kg		0.244	mg/kg	0.0000244 %	✓	
37	indeno[123-cd]pyrene		205-893-2	193-39-5	0.14	mg/kg		0.118	mg/kg	0.0000118 %	✓	
38	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
39	benzo[ghi]perylene		205-883-8	191-24-2	0.17	mg/kg		0.143	mg/kg	0.0000143 %	✓	
40	coronene		205-881-7	191-07-1	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
41	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
Total:								0.104 %		

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: BH209--08112023-0.30

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

Sample details

Sample name:	LoW Code:
BH209--08112023-0.30	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 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				8.4 pH		8.4 pH	8.4 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
4	antimony { antimony trioxide }				4.6 mg/kg	1.197	4.515 mg/kg	0.000452 %	✓	
	051-005-00-X	215-175-0	1309-64-4							
5	arsenic { arsenic pentoxide }				85 mg/kg	1.534	106.911 mg/kg	0.0107 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
6	barium { barium diboron tetraoxide }				210 mg/kg	1.623	279.562 mg/kg	0.028 %	✓	
	056-005-00-3	237-222-4	13701-59-2							
7	beryllium { beryllium oxide }				1 mg/kg	2.775	2.276 mg/kg	0.000228 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
8	boron { diboron trioxide }				0.5 mg/kg	3.22	1.32 mg/kg	0.000132 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
11	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							
12	copper { dicopper oxide; copper (I) oxide }				75 mg/kg	1.126	69.242 mg/kg	0.00692 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	240 mg/kg		196.8 mg/kg	0.0197 %	✓	
	082-001-00-6									

#		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									
14		mercury { mercury dichloride }				0.7	mg/kg	1.353	0.777	mg/kg	0.0000777 %	✓	
		080-010-00-X	231-299-8	7487-94-7									
15		nickel { nickel sulfate }				21	mg/kg	2.637	45.404	mg/kg	0.00454 %	✓	
		028-009-00-5	232-104-9	7786-81-4									
16		selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5									
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				25	mg/kg	1.785	36.596	mg/kg	0.00366 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc chloride }				140	mg/kg	2.085	239.303	mg/kg	0.0239 %	✓	
		030-003-00-2	231-592-0	7646-85-7									
19		TPH (C6 to C40) petroleum group				192	mg/kg		157.44	mg/kg	0.0157 %	✓	
				TPH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
24		naphthalene				0.79	mg/kg		0.648	mg/kg	0.0000648 %	✓	
		601-052-00-2	202-049-5	91-20-3									
25		acenaphthylene				0.09	mg/kg		0.0738	mg/kg	0.0000738 %	✓	
			205-917-1	208-96-8									
26		acenaphthene				0.83	mg/kg		0.681	mg/kg	0.0000681 %	✓	
			201-469-6	83-32-9									
27		fluorene				0.65	mg/kg		0.533	mg/kg	0.0000533 %	✓	
			201-695-5	86-73-7									
28		phenanthrene				4.4	mg/kg		3.608	mg/kg	0.000361 %	✓	
			201-581-5	85-01-8									
29		anthracene				1	mg/kg		0.82	mg/kg	0.000082 %	✓	
			204-371-1	120-12-7									
30		fluoranthene				5	mg/kg		4.1	mg/kg	0.00041 %	✓	
			205-912-4	206-44-0									
31		pyrene				4.8	mg/kg		3.936	mg/kg	0.000394 %	✓	
			204-927-3	129-00-0									
32		benzo[a]anthracene				2.2	mg/kg		1.804	mg/kg	0.00018 %	✓	
		601-033-00-9	200-280-6	56-55-3									
33		chrysene				2.3	mg/kg		1.886	mg/kg	0.000189 %	✓	
		601-048-00-0	205-923-4	218-01-9									
34		benzo[b]fluoranthene				2.8	mg/kg		2.296	mg/kg	0.00023 %	✓	
		601-034-00-4	205-911-9	205-99-2									
35		benzo[k]fluoranthene				0.89	mg/kg		0.73	mg/kg	0.000073 %	✓	
		601-036-00-5	205-916-6	207-08-9									
36		benzo[a]pyrene; benzo[def]chrysene				2.2	mg/kg		1.804	mg/kg	0.00018 %	✓	
		601-032-00-3	200-028-5	50-32-8									
37		indeno[123-cd]pyrene				1	mg/kg		0.82	mg/kg	0.000082 %	✓	
			205-893-2	193-39-5									
38		dibenz[a,h]anthracene				0.31	mg/kg		0.254	mg/kg	0.0000254 %	✓	
		601-041-00-2	200-181-8	53-70-3									
39		benzo[ghi]perylene				1.2	mg/kg		0.984	mg/kg	0.0000984 %	✓	
			205-883-8	191-24-2									
40		coronene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-881-7	191-07-1									
41		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [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							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
Total:								0.121 %		

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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0157%)

Classification of sample: BH209--08112023-3.00

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

Sample details

Sample name:	LoW Code:
BH209--08112023-3.00	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)
3.00 m	
Moisture content:	
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		7.9 pH		7.9 pH	7.9 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
4	antimony { antimony trioxide }				<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4							
5	arsenic { arsenic pentoxide }				33 mg/kg	1.534	44.038 mg/kg	0.0044 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
6	barium { barium diboron tetraoxide }				61 mg/kg	1.623	86.158 mg/kg	0.00862 %	✓	
	056-005-00-3	237-222-4	13701-59-2							
7	beryllium { beryllium oxide }				0.48 mg/kg	2.775	1.159 mg/kg	0.000116 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
8	boron { diboron trioxide }				0.4 mg/kg	3.22	1.121 mg/kg	0.000112 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
11	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							
12	copper { dicopper oxide; copper (I) oxide }				31 mg/kg	1.126	30.365 mg/kg	0.00304 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	64 mg/kg		55.68 mg/kg	0.00557 %	✓	
	082-001-00-6									

#	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								
14	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4	10 mg/kg	2.637	22.939 mg/kg	0.00229 %	✓		
16	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %			<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	14 mg/kg	1.785	21.744 mg/kg	0.00217 %	✓		
18	zinc { zinc chloride }	030-003-00-2	231-592-0	7646-85-7	57 mg/kg	2.085	103.371 mg/kg	0.0103 %	✓		
19	TPH (C6 to C40) petroleum group			TPH	<20 mg/kg		<20 mg/kg	<0.002 %			<LOD
20	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
23	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
24	naphthalene	601-052-00-2	202-049-5	91-20-3	0.14 mg/kg		0.122 mg/kg	0.0000122 %	✓		
25	acenaphthylene		205-917-1	208-96-8	0.05 mg/kg		0.0435 mg/kg	0.00000435 %	✓		
26	acenaphthene		201-469-6	83-32-9	0.12 mg/kg		0.104 mg/kg	0.0000104 %	✓		
27	fluorene		201-695-5	86-73-7	0.09 mg/kg		0.0783 mg/kg	0.00000783 %	✓		
28	phenanthrene		201-581-5	85-01-8	1.1 mg/kg		0.957 mg/kg	0.0000957 %	✓		
29	anthracene		204-371-1	120-12-7	0.27 mg/kg		0.235 mg/kg	0.0000235 %	✓		
30	fluoranthene		205-912-4	206-44-0	1.2 mg/kg		1.044 mg/kg	0.000104 %	✓		
31	pyrene		204-927-3	129-00-0	1.1 mg/kg		0.957 mg/kg	0.0000957 %	✓		
32	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.48 mg/kg		0.418 mg/kg	0.0000418 %	✓		
33	chrysene	601-048-00-0	205-923-4	218-01-9	0.57 mg/kg		0.496 mg/kg	0.0000496 %	✓		
34	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.62 mg/kg		0.539 mg/kg	0.0000539 %	✓		
35	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.21 mg/kg		0.183 mg/kg	0.0000183 %	✓		
36	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.54 mg/kg		0.47 mg/kg	0.000047 %	✓		
37	indeno[123-cd]pyrene		205-893-2	193-39-5	0.24 mg/kg		0.209 mg/kg	0.0000209 %	✓		
38	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
39	benzo[ghi]perylene		205-883-8	191-24-2	0.28 mg/kg		0.244 mg/kg	0.0000244 %	✓		
40	coronene		205-881-7	191-07-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
41	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
Total:								0.042 %		

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: BH207--08112023-1.20

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

Sample details

Sample name:	LoW Code:	
BH207--08112023-1.20	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)
1.20 m		
Moisture content:		
16%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 16% 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 pH		9 pH	9pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
4	antimony { antimony trioxide }				5.8 mg/kg	1.197	5.832 mg/kg	0.000583 %	✓	
5	arsenic { arsenic pentoxide }				96 mg/kg	1.534	123.692 mg/kg	0.0124 %	✓	
6	barium { barium diboron tetraoxide }				210 mg/kg	1.623	286.381 mg/kg	0.0286 %	✓	
7	beryllium { beryllium oxide }				1.1 mg/kg	2.775	2.564 mg/kg	0.000256 %	✓	
8	boron { diboron trioxide }				0.6 mg/kg	3.22	1.623 mg/kg	0.000162 %	✓	
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
11	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				21 mg/kg	1.462	30.693 mg/kg	0.00307 %		
12	copper { dicopper oxide; copper (I) oxide }				100 mg/kg	1.126	94.575 mg/kg	0.00946 %	✓	
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	290 mg/kg		243.6 mg/kg	0.0244 %	✓	

#		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		mercury { mercury dichloride }				1.1	mg/kg	1.353	1.251	mg/kg	0.000125 %	✓	
	080-010-00-X	231-299-8	7487-94-7										
15		nickel { nickel sulfate }				20	mg/kg	2.637	44.296	mg/kg	0.00443 %	✓	
	028-009-00-5	232-104-9	7786-81-4										
16		selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5										
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				26	mg/kg	1.785	38.988	mg/kg	0.0039 %	✓	
	023-001-00-8	215-239-8	1314-62-1										
18		zinc { zinc chloride }				170	mg/kg	2.085	297.67	mg/kg	0.0298 %	✓	
	030-003-00-2	231-592-0	7646-85-7										
19		TPH (C6 to C40) petroleum group				151	mg/kg		126.84	mg/kg	0.0127 %	✓	
			TPH										
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2										
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3										
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4										
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4										
24		naphthalene				0.48	mg/kg		0.403	mg/kg	0.0000403 %	✓	
	601-052-00-2	202-049-5	91-20-3										
25		acenaphthylene				0.1	mg/kg		0.084	mg/kg	0.0000084 %	✓	
		205-917-1	208-96-8										
26		acenaphthene				0.58	mg/kg		0.487	mg/kg	0.0000487 %	✓	
		201-469-6	83-32-9										
27		fluorene				0.41	mg/kg		0.344	mg/kg	0.0000344 %	✓	
		201-695-5	86-73-7										
28		phenanthrene				4.1	mg/kg		3.444	mg/kg	0.000344 %	✓	
		201-581-5	85-01-8										
29		anthracene				0.87	mg/kg		0.731	mg/kg	0.0000731 %	✓	
		204-371-1	120-12-7										
30		fluoranthene				6.6	mg/kg		5.544	mg/kg	0.000554 %	✓	
		205-912-4	206-44-0										
31		pyrene				6	mg/kg		5.04	mg/kg	0.000504 %	✓	
		204-927-3	129-00-0										
32		benzo[a]anthracene				2.9	mg/kg		2.436	mg/kg	0.000244 %	✓	
	601-033-00-9	200-280-6	56-55-3										
33		chrysene				3	mg/kg		2.52	mg/kg	0.000252 %	✓	
	601-048-00-0	205-923-4	218-01-9										
34		benzo[b]fluoranthene				3.2	mg/kg		2.688	mg/kg	0.000269 %	✓	
	601-034-00-4	205-911-9	205-99-2										
35		benzo[k]fluoranthene				1.5	mg/kg		1.26	mg/kg	0.000126 %	✓	
	601-036-00-5	205-916-6	207-08-9										
36		benzo[a]pyrene; benzo[def]chrysene				3	mg/kg		2.52	mg/kg	0.000252 %	✓	
	601-032-00-3	200-028-5	50-32-8										
37		indeno[123-cd]pyrene				1.6	mg/kg		1.344	mg/kg	0.000134 %	✓	
		205-893-2	193-39-5										
38		dibenz[a,h]anthracene				0.24	mg/kg		0.202	mg/kg	0.0000202 %	✓	
	601-041-00-2	200-181-8	53-70-3										
39		benzo[ghi]perylene				1.9	mg/kg		1.596	mg/kg	0.00016 %	✓	
		205-883-8	191-24-2										
40		coronene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-881-7	191-07-1										
41		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [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							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
Total:								0.134 %		

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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0127%)

Classification of sample: BH207--08112023-3.00

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

Sample details

Sample name:	LoW Code:
BH207--08112023-3.00	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
3.00 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 16% 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	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186								
4	antimony { antimony trioxide }				6.6 mg/kg	1.197	6.637	mg/kg	0.000664 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				51 mg/kg	1.534	65.711	mg/kg	0.00657 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				230 mg/kg	1.623	313.655	mg/kg	0.0314 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.94 mg/kg	2.775	2.191	mg/kg	0.000219 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				1.4 mg/kg	3.22	3.787	mg/kg	0.000379 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				1.1 mg/kg	1.142	1.056	mg/kg	0.000106 %	✓	
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	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								
12	copper { dicopper oxide; copper (I) oxide }				87 mg/kg	1.126	82.28	mg/kg	0.00823 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	270 mg/kg		226.8	mg/kg	0.0227 %	✓	
	082-001-00-6										

#		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									
14		mercury { mercury dichloride }				2.9	mg/kg	1.353	3.297	mg/kg	0.00033 %	✓	
	080-010-00-X	231-299-8	7487-94-7										
15		nickel { nickel sulfate }				18	mg/kg	2.637	39.867	mg/kg	0.00399 %	✓	
	028-009-00-5	232-104-9	7786-81-4										
16		selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5										
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				22	mg/kg	1.785	32.99	mg/kg	0.0033 %	✓	
	023-001-00-8	215-239-8	1314-62-1										
18		zinc { zinc chloride }				220	mg/kg	2.085	385.22	mg/kg	0.0385 %	✓	
	030-003-00-2	231-592-0	7646-85-7										
19		TPH (C6 to C40) petroleum group				324	mg/kg		272.16	mg/kg	0.0272 %	✓	
			TPH										
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2										
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3										
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4										
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4										
24		naphthalene				0.89	mg/kg		0.748	mg/kg	0.0000748 %	✓	
	601-052-00-2	202-049-5	91-20-3										
25		acenaphthylene				0.11	mg/kg		0.0924	mg/kg	0.00000924 %	✓	
		205-917-1	208-96-8										
26		acenaphthene				1.4	mg/kg		1.176	mg/kg	0.000118 %	✓	
		201-469-6	83-32-9										
27		fluorene				1.1	mg/kg		0.924	mg/kg	0.0000924 %	✓	
		201-695-5	86-73-7										
28		phenanthrene				8.6	mg/kg		7.224	mg/kg	0.000722 %	✓	
		201-581-5	85-01-8										
29		anthracene				1.9	mg/kg		1.596	mg/kg	0.00016 %	✓	
		204-371-1	120-12-7										
30		fluoranthene				10	mg/kg		8.4	mg/kg	0.00084 %	✓	
		205-912-4	206-44-0										
31		pyrene				9.3	mg/kg		7.812	mg/kg	0.000781 %	✓	
		204-927-3	129-00-0										
32		benzo[a]anthracene				4.2	mg/kg		3.528	mg/kg	0.000353 %	✓	
	601-033-00-9	200-280-6	56-55-3										
33		chrysene				4.1	mg/kg		3.444	mg/kg	0.000344 %	✓	
	601-048-00-0	205-923-4	218-01-9										
34		benzo[b]fluoranthene				4.5	mg/kg		3.78	mg/kg	0.000378 %	✓	
	601-034-00-4	205-911-9	205-99-2										
35		benzo[k]fluoranthene				1.9	mg/kg		1.596	mg/kg	0.00016 %	✓	
	601-036-00-5	205-916-6	207-08-9										
36		benzo[a]pyrene; benzo[def]chrysene				4.4	mg/kg		3.696	mg/kg	0.00037 %	✓	
	601-032-00-3	200-028-5	50-32-8										
37		indeno[123-cd]pyrene				2.4	mg/kg		2.016	mg/kg	0.000202 %	✓	
		205-893-2	193-39-5										
38		dibenz[a,h]anthracene				0.34	mg/kg		0.286	mg/kg	0.0000286 %	✓	
	601-041-00-2	200-181-8	53-70-3										
39		benzo[ghi]perylene				2.5	mg/kg		2.1	mg/kg	0.00021 %	✓	
		205-883-8	191-24-2										
40		coronene				1.2	mg/kg		1.008	mg/kg	0.000101 %	✓	
		205-881-7	191-07-1										
41		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [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							
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]							
Total:								0.153 %		

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 **No liquid phase present.**

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0272%)

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.

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

• monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341, Acute Tox. 3; H331, Acute Tox. 3; H311, Acute Tox. 3; H301, STOT RE 2; H373, Skin Corr. 1B; H314, Skin Corr. 1B; H314 >= 3 %, Skin Irrit. 2; H315 1 £ conc. < 3 %, Eye Irrit. 2; H319 1 £ conc. < 3 %, Aquatic Chronic 2; H411

• 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

• lead compounds with the exception of those specified elsewhere in this Annex (worst case)

GB MCL index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

• 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

• 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

• **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.
Data source: <http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>
Data source date: 16 Jun 2014
Hazard Statements: STOT SE 2; H371

Appendix B: Rationale for selection of metal species

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

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide].

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings.

arsenic {arsenic pentoxide}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: arsenates, weed killers, metal adhesives, insecticides, fungicides, wood preservatives, coloured gases, printing and dyeing.

barium {barium diboron tetraoxide}

Reasonable case CLP species based on site history, hazard statements/molecular weight. Noted that not enough metal and Cr(VI) present to make the worst case CLP (metal chromate) (noting concentrations not at hazardous levels in any case).

beryllium {beryllium oxide}

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

boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass.

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history.

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

Worst case species based on hazard statements/molecular weight.

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

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass.

copper {dicopper oxide; copper (I) oxide}

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

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Reasonable case CLP species based on site history, hazard statements/molecular weight. Noted that not enough metal and Cr(VI) present to make the worst case CLP (metal chromate) (noting concentrations not at hazardous levels in any case).

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight.

nickel {nickel sulfate}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: copper refining, electroplating and rechargeable batteries. Worst case compounds in CLP not expected as either very soluble and/or compounds industrial useage not related to site history.

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight.

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species.

zinc {zinc chloride}

Reasonable case CLP species based on site history, hazard statements/molecular weight. Noted that not enough metal and Cr(VI) present to make the worst case CLP (metal chromate) (noting concentrations not at hazardous levels in any case).

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021

HazWasteOnline Classification Engine Version: 2023.332.5826.10798 (28 Nov 2023)

HazWasteOnline Database: 2023.332.5826.10798 (28 Nov 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

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

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)



9GGJA-KXUOD-CIRMS

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

Job name

23-68794_HWOL

Description/Comments

i2 Analytical Report 23-68794

Project

51001/01

Site

Mayfield Phase 1A

Classified by

Name: **Kirsty Poore**
Date: **30 Nov 2023 09:19 GMT**
Telephone: **07983 740199**
Company: **Civic Earth Limited**
77 Dale Street
Manchester
M12HG

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
05 Oct 2023

Next 3 year Refresher due by Oct 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

Land off Baring Street

Post Code **M12 6HW**

SIC for the process giving rise to the waste

41201 Construction of commercial buildings

Description of industry/producer giving rise to the waste

Redevelopment of former industrial site into residential-led development.

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

Waste created during the excavation of soils during site investigation.

Description of the waste

Made Ground comprising 6F2 and gravelly sandy clay comprising brick and concrete.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH211--09102023-1.20	1.20	Non Hazardous		3
2	BH212--09102023-0.70	0.70	Non Hazardous		6
3	BH212--09102023-2.00	2.00	Non Hazardous		9
4	BH215--09102023-1.20	1.20	Non Hazardous		12
5	BH214--09102023-2.00	2.00	Non Hazardous		15
6	BH202--09102023-0.70	0.70	Non Hazardous		18
7	BH203--09102023-0.30	0.30	Non Hazardous		21
8	BH205--09102023-0.70	0.70	Non Hazardous		24
9	BH204--09102023-0.30	0.30	Non Hazardous		27

Related documents

#	Name	Description
1	23-68794_HWOL_Results[2].hwol	i2 Analytical .hwol file used to populate the Job
2	Civic Earth Soil Suite 3 Waste Stream - i2	waste stream template used to create this Job

Report

Created by: Kirsty Poore

Created date: 30 Nov 2023 09:19 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	30
Appendix B: Rationale for selection of metal species	31
Appendix C: Version	32

Classification of sample: BH211--09102023-1.20

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

Sample details

Sample name:	LoW Code:
BH211--09102023-1.20	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
1.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15%	
(wet weight correction)	

Hazard properties

None identified

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				8.8 pH		8.8 pH	8.8 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
			P1186							
4	antimony { antimony trioxide }				4.5 mg/kg	1.197	4.579 mg/kg	0.000458 %	✓	
	051-005-00-X	215-175-0	1309-64-4							
5	arsenic { arsenic pentoxide }				63 mg/kg	1.534	82.139 mg/kg	0.00821 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
6	barium { barium diboron tetraoxide }				210 mg/kg	1.623	289.79 mg/kg	0.029 %	✓	
	056-005-00-3	237-222-4	13701-59-2							
7	beryllium { beryllium oxide }				1 mg/kg	2.775	2.359 mg/kg	0.000236 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
8	boron { diboron trioxide }				1.2 mg/kg	3.22	3.284 mg/kg	0.000328 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
11	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							
12	copper { dicopper oxide; copper (I) oxide }				94 mg/kg	1.126	89.958 mg/kg	0.009 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	280 mg/kg		238 mg/kg	0.0238 %	✓	
	082-001-00-6									

#		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								
14		mercury { mercury dichloride }				1 mg/kg	1.353	1.15 mg/kg	0.000115 %			
		080-010-00-X	231-299-8	7487-94-7								
15		nickel { nickel sulfate }				19 mg/kg	2.637	42.582 mg/kg	0.00426 %			
		028-009-00-5	232-104-9	7786-81-4								
16		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				24 mg/kg	1.785	36.418 mg/kg	0.00364 %			
		023-001-00-8	215-239-8	1314-62-1								
18		zinc { zinc chloride }				150 mg/kg	2.085	265.776 mg/kg	0.0266 %			
		030-003-00-2	231-592-0	7646-85-7								
19		TPH (C6 to C40) petroleum group				106 mg/kg		90.1 mg/kg	0.00901 %			
				TPH								
20		benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-020-00-8	200-753-7	71-43-2								
21		toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-021-00-3	203-625-9	108-88-3								
22		ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-023-00-4	202-849-4	100-41-4								
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								
24		naphthalene				1 mg/kg		0.85 mg/kg	0.000085 %			
		601-052-00-2	202-049-5	91-20-3								
25		acenaphthylene				0.28 mg/kg		0.238 mg/kg	0.0000238 %			
			205-917-1	208-96-8								
26		acenaphthene				0.81 mg/kg		0.689 mg/kg	0.0000689 %			
			201-469-6	83-32-9								
27		fluorene				1 mg/kg		0.85 mg/kg	0.000085 %			
			201-695-5	86-73-7								
28		phenanthrene				6.4 mg/kg		5.44 mg/kg	0.000544 %			
			201-581-5	85-01-8								
29		anthracene				1.5 mg/kg		1.275 mg/kg	0.000127 %			
			204-371-1	120-12-7								
30		fluoranthene				7.3 mg/kg		6.205 mg/kg	0.00062 %			
			205-912-4	206-44-0								
31		pyrene				7 mg/kg		5.95 mg/kg	0.000595 %			
			204-927-3	129-00-0								
32		benzo[a]anthracene				3.4 mg/kg		2.89 mg/kg	0.000289 %			
		601-033-00-9	200-280-6	56-55-3								
33		chrysene				3 mg/kg		2.55 mg/kg	0.000255 %			
		601-048-00-0	205-923-4	218-01-9								
34		benzo[b]fluoranthene				3.3 mg/kg		2.805 mg/kg	0.000281 %			
		601-034-00-4	205-911-9	205-99-2								
35		benzo[k]fluoranthene				1.5 mg/kg		1.275 mg/kg	0.000127 %			
		601-036-00-5	205-916-6	207-08-9								
36		benzo[a]pyrene; benzo[def]chrysene				3.2 mg/kg		2.72 mg/kg	0.000272 %			
		601-032-00-3	200-028-5	50-32-8								
37		indeno[123-cd]pyrene				1.4 mg/kg		1.19 mg/kg	0.000119 %			
			205-893-2	193-39-5								
38		dibenz[a,h]anthracene				0.44 mg/kg		0.374 mg/kg	0.0000374 %			
		601-041-00-2	200-181-8	53-70-3								
39		benzo[ghi]perylene				1.9 mg/kg		1.615 mg/kg	0.000162 %			
			205-883-8	191-24-2								
40		coronene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
			205-881-7	191-07-1								
41		asbestos				<		<	<		ND	
		650-013-00-6	- - - - -	12001-28-4 132207-32-0 12172-73-5								

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.122 %		

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
ND	Not detected
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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00901%)

Classification of sample: BH212--09102023-0.70

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

Sample details

Sample name:	LoW Code:
BH212--09102023-0.70	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)
0.70 m	
Moisture content:	
9.9%	
(wet weight correction)	

Hazard properties

None identified

Determinands

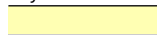
Moisture content: 9.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH		PH		10.7 pH		10.7	pH	10.7 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186								
4	antimony { antimony trioxide }				3.8 mg/kg	1.197	4.099	mg/kg	0.00041 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				45 mg/kg	1.534	62.191	mg/kg	0.00622 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				150 mg/kg	1.623	219.412	mg/kg	0.0219 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.72 mg/kg	2.775	1.8	mg/kg	0.00018 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				2 mg/kg	3.22	5.802	mg/kg	0.00058 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	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								
12	copper { dicopper oxide; copper (I) oxide }				52 mg/kg	1.126	52.75	mg/kg	0.00528 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	130 mg/kg		117.13	mg/kg	0.0117 %	✓	
	082-001-00-6										

#	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							
14	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.5 mg/kg	1.353	0.61 mg/kg	0.000061 %	✓	
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4	14 mg/kg	2.637	33.259 mg/kg	0.00333 %	✓	
16	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	22 mg/kg	1.785	35.386 mg/kg	0.00354 %	✓	
18	zinc { zinc chloride }	030-003-00-2	231-592-0	7646-85-7	100 mg/kg	2.085	187.815 mg/kg	0.0188 %	✓	
19	TPH (C6 to C40) petroleum group			TPH	158 mg/kg		142.358 mg/kg	0.0142 %	✓	
20	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	naphthalene	601-052-00-2	202-049-5	91-20-3	0.81 mg/kg		0.73 mg/kg	0.000073 %	✓	
25	acenaphthylene		205-917-1	208-96-8	0.15 mg/kg		0.135 mg/kg	0.0000135 %	✓	
26	acenaphthene		201-469-6	83-32-9	0.66 mg/kg		0.595 mg/kg	0.0000595 %	✓	
27	fluorene		201-695-5	86-73-7	0.68 mg/kg		0.613 mg/kg	0.0000613 %	✓	
28	phenanthrene		201-581-5	85-01-8	5.6 mg/kg		5.046 mg/kg	0.000505 %	✓	
29	anthracene		204-371-1	120-12-7	1.3 mg/kg		1.171 mg/kg	0.000117 %	✓	
30	fluoranthene		205-912-4	206-44-0	6.9 mg/kg		6.217 mg/kg	0.000622 %	✓	
31	pyrene		204-927-3	129-00-0	6.6 mg/kg		5.947 mg/kg	0.000595 %	✓	
32	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	3.3 mg/kg		2.973 mg/kg	0.000297 %	✓	
33	chrysene	601-048-00-0	205-923-4	218-01-9	2.9 mg/kg		2.613 mg/kg	0.000261 %	✓	
34	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	3.3 mg/kg		2.973 mg/kg	0.000297 %	✓	
35	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	1.4 mg/kg		1.261 mg/kg	0.000126 %	✓	
36	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	2.8 mg/kg		2.523 mg/kg	0.000252 %	✓	
37	indeno[123-cd]pyrene		205-893-2	193-39-5	1.2 mg/kg		1.081 mg/kg	0.000108 %	✓	
38	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.35 mg/kg		0.315 mg/kg	0.0000315 %	✓	
39	benzo[ghi]perylene		205-883-8	191-24-2	1.6 mg/kg		1.442 mg/kg	0.000144 %	✓	
40	coronene		205-881-7	191-07-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
41	asbestos	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5	0.003 %		0.0027 %	0.0027 %	✓	

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.096 %		

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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0142%)

Classification of sample: BH212--09102023-2.00

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

Sample details

Sample name:	LoW Code:
BH212--09102023-2.00	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
2.00 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

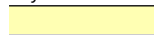
Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	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				10 pH		10	pH	10pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186								
4	antimony { antimony trioxide }				4.1 mg/kg	1.197	4.368	mg/kg	0.000437 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				72 mg/kg	1.534	98.291	mg/kg	0.00983 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				190 mg/kg	1.623	274.529	mg/kg	0.0275 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.96 mg/kg	2.775	2.371	mg/kg	0.000237 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				1.2 mg/kg	3.22	3.439	mg/kg	0.000344 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	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								
12	copper { dicopper oxide; copper (I) oxide }				67 mg/kg	1.126	67.137	mg/kg	0.00671 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	210 mg/kg		186.9	mg/kg	0.0187 %	✓	
	082-001-00-6										

#		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									
14		mercury { mercury dichloride }				0.5	mg/kg	1.353	0.602	mg/kg	0.0000602 %	✓	
		080-010-00-X	231-299-8	7487-94-7									
15		nickel { nickel sulfate }				18	mg/kg	2.637	42.24	mg/kg	0.00422 %	✓	
		028-009-00-5	232-104-9	7786-81-4									
16		selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5									
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				22	mg/kg	1.785	34.954	mg/kg	0.0035 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc chloride }				140	mg/kg	2.085	259.731	mg/kg	0.026 %	✓	
		030-003-00-2	231-592-0	7646-85-7									
19		TPH (C6 to C40) petroleum group				68	mg/kg		60.52	mg/kg	0.00605 %	✓	
				TPH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
24		naphthalene				0.38	mg/kg		0.338	mg/kg	0.0000338 %	✓	
		601-052-00-2	202-049-5	91-20-3									
25		acenaphthylene				0.06	mg/kg		0.0534	mg/kg	0.00000534 %	✓	
			205-917-1	208-96-8									
26		acenaphthene				0.38	mg/kg		0.338	mg/kg	0.0000338 %	✓	
			201-469-6	83-32-9									
27		fluorene				0.36	mg/kg		0.32	mg/kg	0.000032 %	✓	
			201-695-5	86-73-7									
28		phenanthrene				2.6	mg/kg		2.314	mg/kg	0.000231 %	✓	
			201-581-5	85-01-8									
29		anthracene				0.55	mg/kg		0.49	mg/kg	0.000049 %	✓	
			204-371-1	120-12-7									
30		fluoranthene				3.2	mg/kg		2.848	mg/kg	0.000285 %	✓	
			205-912-4	206-44-0									
31		pyrene				3	mg/kg		2.67	mg/kg	0.000267 %	✓	
			204-927-3	129-00-0									
32		benzo[a]anthracene				1.5	mg/kg		1.335	mg/kg	0.000133 %	✓	
		601-033-00-9	200-280-6	56-55-3									
33		chrysene				1.4	mg/kg		1.246	mg/kg	0.000125 %	✓	
		601-048-00-0	205-923-4	218-01-9									
34		benzo[b]fluoranthene				1.5	mg/kg		1.335	mg/kg	0.000133 %	✓	
		601-034-00-4	205-911-9	205-99-2									
35		benzo[k]fluoranthene				0.77	mg/kg		0.685	mg/kg	0.0000685 %	✓	
		601-036-00-5	205-916-6	207-08-9									
36		benzo[a]pyrene; benzo[def]chrysene				1.3	mg/kg		1.157	mg/kg	0.000116 %	✓	
		601-032-00-3	200-028-5	50-32-8									
37		indeno[123-cd]pyrene				0.64	mg/kg		0.57	mg/kg	0.000057 %	✓	
			205-893-2	193-39-5									
38		dibenz[a,h]anthracene				0.17	mg/kg		0.151	mg/kg	0.0000151 %	✓	
		601-041-00-2	200-181-8	53-70-3									
39		benzo[ghi]perylene				0.76	mg/kg		0.676	mg/kg	0.0000676 %	✓	
			205-883-8	191-24-2									
40		coronene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-881-7	191-07-1									
41		asbestos				<			<		<		ND
		650-013-00-6	- - - - -	12001-28-4 132207-32-0 12172-73-5									

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.109 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00605%)

Classification of sample: BH215--09102023-1.20

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

Sample details

Sample name:	LoW Code:
BH215--09102023-1.20	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)
1.20 m	
Moisture content:	
7.1%	
(wet weight correction)	

Hazard properties

None identified

Determinands

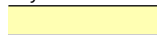
Moisture content: 7.1% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH		PH		8.4 pH		8.4 pH	8.4 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
4	antimony { antimony trioxide }				<1 mg/kg	1.197	<1.197 mg/kg	<0.00012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4							
5	arsenic { arsenic pentoxide }				7.2 mg/kg	1.534	10.26 mg/kg	0.00103 %	✓	
	033-004-00-6	215-116-9	1303-28-2							
6	barium { barium diboron tetraoxide }				28 mg/kg	1.623	42.23 mg/kg	0.00422 %	✓	
	056-005-00-3	237-222-4	13701-59-2							
7	beryllium { beryllium oxide }				0.83 mg/kg	2.775	2.14 mg/kg	0.000214 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
8	boron { diboron trioxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %		<LOD
	005-008-00-8	215-125-8	1303-86-2							
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
11	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %		
		215-160-9	1308-38-9							
12	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	14.643 mg/kg	0.00146 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	11 mg/kg		10.219 mg/kg	0.00102 %	✓	
	082-001-00-6									

#	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							
14	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4	23 mg/kg	2.637	56.338 mg/kg	0.00563 %	✓	
16	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	26 mg/kg	1.785	43.119 mg/kg	0.00431 %	✓	
18	zinc { zinc chloride }	030-003-00-2	231-592-0	7646-85-7	49 mg/kg	2.085	94.889 mg/kg	0.00949 %	✓	
19	TPH (C6 to C40) petroleum group			TPH	<20 mg/kg		<20 mg/kg	<0.002 %		<LOD
20	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
25	acenaphthylene		205-917-1	208-96-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	acenaphthene		201-469-6	83-32-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	fluorene		201-695-5	86-73-7	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	phenanthrene		201-581-5	85-01-8	0.1 mg/kg		0.0929 mg/kg	0.00000929 %	✓	
29	anthracene		204-371-1	120-12-7	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
30	fluoranthene		205-912-4	206-44-0	0.11 mg/kg		0.102 mg/kg	0.0000102 %	✓	
31	pyrene		204-927-3	129-00-0	0.11 mg/kg		0.102 mg/kg	0.0000102 %	✓	
32	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
33	chrysene	601-048-00-0	205-923-4	218-01-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
34	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
35	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
36	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
37	indeno[123-cd]pyrene		205-893-2	193-39-5	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
38	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
39	benzo[ghi]perylene		205-883-8	191-24-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
40	coronene		205-881-7	191-07-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
41	asbestos	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5	<		<	<		ND

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.0335 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH214--09102023-2.00

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

Sample details

Sample name:	LoW Code:
BH214--09102023-2.00	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
2.00 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14%	
(wet weight correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH				9.7 pH		9.7	pH	9.7 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186								
4	antimony { antimony trioxide }				1.7 mg/kg	1.197	1.75	mg/kg	0.000175 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				7.6 mg/kg	1.534	10.025	mg/kg	0.001 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				52 mg/kg	1.623	72.602	mg/kg	0.00726 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.35 mg/kg	2.775	0.835	mg/kg	0.0000835 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				0.2 mg/kg	3.22	0.554	mg/kg	0.0000554 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	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								
12	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	15.492	mg/kg	0.00155 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	33 mg/kg		28.38	mg/kg	0.00284 %	✓	
	082-001-00-6										

#	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								
14	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								
15	nickel { nickel sulfate }				10 mg/kg	2.637	22.675 mg/kg	0.00227 %		✓	
	028-009-00-5	232-104-9	7786-81-4								
16	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %			<LOD
	028-031-00-5	239-125-2	15060-62-5								
17	vanadium { divanadium pentaoxide; vanadium pentoxide }				15 mg/kg	1.785	23.029 mg/kg	0.0023 %		✓	
	023-001-00-8	215-239-8	1314-62-1								
18	zinc { zinc chloride }				46 mg/kg	2.085	82.464 mg/kg	0.00825 %		✓	
	030-003-00-2	231-592-0	7646-85-7								
19	TPH (C6 to C40) petroleum group				28 mg/kg		24.08 mg/kg	0.00241 %		✓	
			TPH								
20	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
21	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
22	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
23	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								
24	naphthalene				0.08 mg/kg		0.0688 mg/kg	0.00000688 %		✓	
	601-052-00-2	202-049-5	91-20-3								
25	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-917-1	208-96-8								
26	acenaphthene				0.15 mg/kg		0.129 mg/kg	0.0000129 %		✓	
		201-469-6	83-32-9								
27	fluorene				0.09 mg/kg		0.0774 mg/kg	0.00000774 %		✓	
		201-695-5	86-73-7								
28	phenanthrene				0.76 mg/kg		0.654 mg/kg	0.0000654 %		✓	
		201-581-5	85-01-8								
29	anthracene				0.14 mg/kg		0.12 mg/kg	0.000012 %		✓	
		204-371-1	120-12-7								
30	fluoranthene				0.9 mg/kg		0.774 mg/kg	0.0000774 %		✓	
		205-912-4	206-44-0								
31	pyrene				0.82 mg/kg		0.705 mg/kg	0.0000705 %		✓	
		204-927-3	129-00-0								
32	benzo[a]anthracene				0.42 mg/kg		0.361 mg/kg	0.0000361 %		✓	
	601-033-00-9	200-280-6	56-55-3								
33	chrysene				0.39 mg/kg		0.335 mg/kg	0.0000335 %		✓	
	601-048-00-0	205-923-4	218-01-9								
34	benzo[b]fluoranthene				0.41 mg/kg		0.353 mg/kg	0.0000353 %		✓	
	601-034-00-4	205-911-9	205-99-2								
35	benzo[k]fluoranthene				0.2 mg/kg		0.172 mg/kg	0.0000172 %		✓	
	601-036-00-5	205-916-6	207-08-9								
36	benzo[a]pyrene; benzo[def]chrysene				0.36 mg/kg		0.31 mg/kg	0.000031 %		✓	
	601-032-00-3	200-028-5	50-32-8								
37	indeno[123-cd]pyrene				0.18 mg/kg		0.155 mg/kg	0.0000155 %		✓	
		205-893-2	193-39-5								
38	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
39	benzo[ghi]perylene				0.25 mg/kg		0.215 mg/kg	0.0000215 %		✓	
		205-883-8	191-24-2								
40	coronene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-881-7	191-07-1								
41	asbestos				<		<	<			ND
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5								

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.0314 %		

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
ND	Not detected
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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00241%)

Classification of sample: BH202--09102023-0.70

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

Sample details

Sample name:	LoW Code:
BH202--09102023-0.70	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)
0.70 m	
Moisture content:	
10%	
(wet weight correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH		PH		9.3 pH		9.3	pH	9.3 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols		P1186		<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
4	antimony { antimony trioxide }				<1 mg/kg	1.197	<1.197	mg/kg	<0.00012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				13 mg/kg	1.534	17.946	mg/kg	0.00179 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				100 mg/kg	1.623	146.113	mg/kg	0.0146 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.49 mg/kg	2.775	1.224	mg/kg	0.000122 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				0.4 mg/kg	3.22	1.159	mg/kg	0.000116 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	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								
12	copper { dicopper oxide; copper (I) oxide }				41 mg/kg	1.126	41.545	mg/kg	0.00415 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	29 mg/kg		26.1	mg/kg	0.00261 %	✓	
	082-001-00-6										

#	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								
14	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4	13 mg/kg	2.637	30.849 mg/kg	0.00308 %	✓		
16	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %			<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	19 mg/kg	1.785	30.527 mg/kg	0.00305 %	✓		
18	zinc { zinc chloride }	030-003-00-2	231-592-0	7646-85-7	46 mg/kg	2.085	86.299 mg/kg	0.00863 %	✓		
19	TPH (C6 to C40) petroleum group			TPH	<20 mg/kg		<20 mg/kg	<0.002 %			<LOD
20	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
23	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
24	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
25	acenaphthylene		205-917-1	208-96-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	acenaphthene		201-469-6	83-32-9	0.08 mg/kg		0.072 mg/kg	0.0000072 %	✓		
27	fluorene		201-695-5	86-73-7	0.06 mg/kg		0.054 mg/kg	0.0000054 %	✓		
28	phenanthrene		201-581-5	85-01-8	0.63 mg/kg		0.567 mg/kg	0.0000567 %	✓		
29	anthracene		204-371-1	120-12-7	0.13 mg/kg		0.117 mg/kg	0.0000117 %	✓		
30	fluoranthene		205-912-4	206-44-0	0.87 mg/kg		0.783 mg/kg	0.0000783 %	✓		
31	pyrene		204-927-3	129-00-0	0.81 mg/kg		0.729 mg/kg	0.0000729 %	✓		
32	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.4 mg/kg		0.36 mg/kg	0.000036 %	✓		
33	chrysene	601-048-00-0	205-923-4	218-01-9	0.45 mg/kg		0.405 mg/kg	0.0000405 %	✓		
34	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.42 mg/kg		0.378 mg/kg	0.0000378 %	✓		
35	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.19 mg/kg		0.171 mg/kg	0.0000171 %	✓		
36	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.35 mg/kg		0.315 mg/kg	0.0000315 %	✓		
37	indeno[123-cd]pyrene		205-893-2	193-39-5	0.18 mg/kg		0.162 mg/kg	0.0000162 %	✓		
38	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
39	benzo[ghi]perylene		205-883-8	191-24-2	0.23 mg/kg		0.207 mg/kg	0.0000207 %	✓		
40	coronene		205-881-7	191-07-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
41	asbestos	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5	<		<	<			ND

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.044 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH203--09102023-0.30

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

Sample details

Sample name:	LoW Code:
BH203--09102023-0.30	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 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

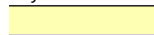
Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	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				10.4 pH		10.4	pH	10.4 pH		
2	● cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	● monohydric phenols				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186								
4	● antimony { antimony trioxide }				3.9 mg/kg	1.197	4.155	mg/kg	0.000416 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	● arsenic { arsenic pentoxide }				30 mg/kg	1.534	40.954	mg/kg	0.0041 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	● barium { barium diboron tetraoxide }				170 mg/kg	1.623	245.631	mg/kg	0.0246 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	● beryllium { beryllium oxide }				0.82 mg/kg	2.775	2.025	mg/kg	0.000203 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	● boron { diboron trioxide }				0.8 mg/kg	3.22	2.293	mg/kg	0.000229 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	● cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	● chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	● chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9								
12	● copper { dicopper oxide; copper (I) oxide }				40 mg/kg	1.126	40.082	mg/kg	0.00401 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	● lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	100 mg/kg		89	mg/kg	0.0089 %	✓	
	082-001-00-6										

#		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									
14		mercury { mercury dichloride }				0.4	mg/kg	1.353	0.482	mg/kg	0.0000482 %	✓	
		080-010-00-X	231-299-8	7487-94-7									
15		nickel { nickel sulfate }				15	mg/kg	2.637	35.2	mg/kg	0.00352 %	✓	
		028-009-00-5	232-104-9	7786-81-4									
16		selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5									
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				24	mg/kg	1.785	38.132	mg/kg	0.00381 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc chloride }				120	mg/kg	2.085	222.627	mg/kg	0.0223 %	✓	
		030-003-00-2	231-592-0	7646-85-7									
19		TPH (C6 to C40) petroleum group				350	mg/kg		311.5	mg/kg	0.0312 %	✓	
				TPH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
24		naphthalene				0.45	mg/kg		0.401	mg/kg	0.0000401 %	✓	
		601-052-00-2	202-049-5	91-20-3									
25		acenaphthylene				0.05	mg/kg		0.0445	mg/kg	0.00000445 %	✓	
			205-917-1	208-96-8									
26		acenaphthene				0.92	mg/kg		0.819	mg/kg	0.0000819 %	✓	
			201-469-6	83-32-9									
27		fluorene				0.59	mg/kg		0.525	mg/kg	0.0000525 %	✓	
			201-695-5	86-73-7									
28		phenanthrene				6	mg/kg		5.34	mg/kg	0.000534 %	✓	
			201-581-5	85-01-8									
29		anthracene				1.3	mg/kg		1.157	mg/kg	0.000116 %	✓	
			204-371-1	120-12-7									
30		fluoranthene				8.2	mg/kg		7.298	mg/kg	0.00073 %	✓	
			205-912-4	206-44-0									
31		pyrene				7.3	mg/kg		6.497	mg/kg	0.00065 %	✓	
			204-927-3	129-00-0									
32		benzo[a]anthracene				3.4	mg/kg		3.026	mg/kg	0.000303 %	✓	
		601-033-00-9	200-280-6	56-55-3									
33		chrysene				3.6	mg/kg		3.204	mg/kg	0.00032 %	✓	
		601-048-00-0	205-923-4	218-01-9									
34		benzo[b]fluoranthene				3.8	mg/kg		3.382	mg/kg	0.000338 %	✓	
		601-034-00-4	205-911-9	205-99-2									
35		benzo[k]fluoranthene				1.6	mg/kg		1.424	mg/kg	0.000142 %	✓	
		601-036-00-5	205-916-6	207-08-9									
36		benzo[a]pyrene; benzo[def]chrysene				3.5	mg/kg		3.115	mg/kg	0.000312 %	✓	
		601-032-00-3	200-028-5	50-32-8									
37		indeno[123-cd]pyrene				1.6	mg/kg		1.424	mg/kg	0.000142 %	✓	
			205-893-2	193-39-5									
38		dibenz[a,h]anthracene				0.49	mg/kg		0.436	mg/kg	0.0000436 %	✓	
		601-041-00-2	200-181-8	53-70-3									
39		benzo[ghi]perylene				1.9	mg/kg		1.691	mg/kg	0.000169 %	✓	
			205-883-8	191-24-2									
40		coronene				0.88	mg/kg		0.783	mg/kg	0.0000783 %	✓	
			205-881-7	191-07-1									
41		asbestos				0.006	%		0.0053	%	0.00534 %	✓	
		650-013-00-6	- - - - -	12001-28-4 132207-32-0 12172-73-5									

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.116 %		

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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0312%)

Classification of sample: BH205--09102023-0.70

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

Sample details

Sample name:	LoW Code:
BH205--09102023-0.70	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)
0.70 m	
Moisture content:	
13%	
(wet weight correction)	

Hazard properties

None identified

Determinands

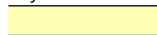
Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	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		10.3 pH		10.3	pH	10.3 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186								
4	antimony { antimony trioxide }				8.3 mg/kg	1.197	8.644	mg/kg	0.000864 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				42 mg/kg	1.534	56.048	mg/kg	0.0056 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				200 mg/kg	1.623	282.484	mg/kg	0.0282 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.82 mg/kg	2.775	1.98	mg/kg	0.000198 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				1.2 mg/kg	3.22	3.362	mg/kg	0.000336 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9								
12	copper { dicopper oxide; copper (I) oxide }				62 mg/kg	1.126	60.73	mg/kg	0.00607 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	210 mg/kg		182.7	mg/kg	0.0183 %	✓	
	082-001-00-6										

#	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							
14	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.6 mg/kg	1.353	0.707 mg/kg	0.0000707 %	✓	
15	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4	16 mg/kg	2.637	36.703 mg/kg	0.00367 %	✓	
16	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	24 mg/kg	1.785	37.275 mg/kg	0.00373 %	✓	
18	zinc { zinc chloride }	030-003-00-2	231-592-0	7646-85-7	150 mg/kg	2.085	272.03 mg/kg	0.0272 %	✓	
19	TPH (C6 to C40) petroleum group			TPH	270 mg/kg		234.9 mg/kg	0.0235 %	✓	
20	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
22	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
23	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
24	naphthalene	601-052-00-2	202-049-5	91-20-3	0.38 mg/kg		0.331 mg/kg	0.0000331 %	✓	
25	acenaphthylene		205-917-1	208-96-8	0.08 mg/kg		0.0696 mg/kg	0.00000696 %	✓	
26	acenaphthene		201-469-6	83-32-9	0.75 mg/kg		0.653 mg/kg	0.0000653 %	✓	
27	fluorene		201-695-5	86-73-7	0.52 mg/kg		0.452 mg/kg	0.0000452 %	✓	
28	phenanthrene		201-581-5	85-01-8	4.7 mg/kg		4.089 mg/kg	0.000409 %	✓	
29	anthracene		204-371-1	120-12-7	1.1 mg/kg		0.957 mg/kg	0.0000957 %	✓	
30	fluoranthene		205-912-4	206-44-0	7.7 mg/kg		6.699 mg/kg	0.00067 %	✓	
31	pyrene		204-927-3	129-00-0	7.2 mg/kg		6.264 mg/kg	0.000626 %	✓	
32	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	3.7 mg/kg		3.219 mg/kg	0.000322 %	✓	
33	chrysene	601-048-00-0	205-923-4	218-01-9	3.7 mg/kg		3.219 mg/kg	0.000322 %	✓	
34	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	4.3 mg/kg		3.741 mg/kg	0.000374 %	✓	
35	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	1.6 mg/kg		1.392 mg/kg	0.000139 %	✓	
36	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	3.9 mg/kg		3.393 mg/kg	0.000339 %	✓	
37	indeno[123-cd]pyrene		205-893-2	193-39-5	1.8 mg/kg		1.566 mg/kg	0.000157 %	✓	
38	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.53 mg/kg		0.461 mg/kg	0.0000461 %	✓	
39	benzo[ghi]perylene		205-883-8	191-24-2	2 mg/kg		1.74 mg/kg	0.000174 %	✓	
40	coronene		205-881-7	191-07-1	1.3 mg/kg		1.131 mg/kg	0.000113 %	✓	
41	asbestos	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5	0.011 %		0.0095 %	0.00957 %	✓	

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.135 %		

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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0235%)

Classification of sample: BH204--09102023-0.30

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

Sample details

Sample name:	LoW Code:
BH204--09102023-0.30	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14%	
(wet weight correction)	

Hazard properties

None identified

Determinands

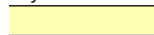
Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH				9.8 pH		9.8	pH	9.8 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186								
4	antimony { antimony trioxide }				4.4 mg/kg	1.197	4.53	mg/kg	0.000453 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				32 mg/kg	1.534	42.212	mg/kg	0.00422 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				160 mg/kg	1.623	223.39	mg/kg	0.0223 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.9 mg/kg	2.775	2.148	mg/kg	0.000215 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				0.7 mg/kg	3.22	1.938	mg/kg	0.000194 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	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								
12	copper { dicopper oxide; copper (I) oxide }				49 mg/kg	1.126	47.445	mg/kg	0.00474 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	140 mg/kg		120.4	mg/kg	0.012 %	✓	
	082-001-00-6										

#		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									
14		mercury { mercury dichloride }				0.7	mg/kg	1.353	0.815	mg/kg	0.0000815 %	✓	
		080-010-00-X	231-299-8	7487-94-7									
15		nickel { nickel sulfate }				15	mg/kg	2.637	34.013	mg/kg	0.0034 %	✓	
		028-009-00-5	232-104-9	7786-81-4									
16		selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5									
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				22	mg/kg	1.785	33.776	mg/kg	0.00338 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
18		zinc { zinc chloride }				130	mg/kg	2.085	233.049	mg/kg	0.0233 %	✓	
		030-003-00-2	231-592-0	7646-85-7									
19		TPH (C6 to C40) petroleum group				434	mg/kg		373.24	mg/kg	0.0373 %	✓	
				TPH									
20		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
22		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
24		naphthalene				2.3	mg/kg		1.978	mg/kg	0.000198 %	✓	
		601-052-00-2	202-049-5	91-20-3									
25		acenaphthylene				0.2	mg/kg		0.172	mg/kg	0.0000172 %	✓	
			205-917-1	208-96-8									
26		acenaphthene				8.1	mg/kg		6.966	mg/kg	0.000697 %	✓	
			201-469-6	83-32-9									
27		fluorene				7.7	mg/kg		6.622	mg/kg	0.000662 %	✓	
			201-695-5	86-73-7									
28		phenanthrene				46	mg/kg		39.56	mg/kg	0.00396 %	✓	
			201-581-5	85-01-8									
29		anthracene				12	mg/kg		10.32	mg/kg	0.00103 %	✓	
			204-371-1	120-12-7									
30		fluoranthene				54	mg/kg		46.44	mg/kg	0.00464 %	✓	
			205-912-4	206-44-0									
31		pyrene				43	mg/kg		36.98	mg/kg	0.0037 %	✓	
			204-927-3	129-00-0									
32		benzo[a]anthracene				24	mg/kg		20.64	mg/kg	0.00206 %	✓	
		601-033-00-9	200-280-6	56-55-3									
33		chrysene				19	mg/kg		16.34	mg/kg	0.00163 %	✓	
		601-048-00-0	205-923-4	218-01-9									
34		benzo[b]fluoranthene				21	mg/kg		18.06	mg/kg	0.00181 %	✓	
		601-034-00-4	205-911-9	205-99-2									
35		benzo[k]fluoranthene				9.3	mg/kg		7.998	mg/kg	0.0008 %	✓	
		601-036-00-5	205-916-6	207-08-9									
36		benzo[a]pyrene; benzo[def]chrysene				20	mg/kg		17.2	mg/kg	0.00172 %	✓	
		601-032-00-3	200-028-5	50-32-8									
37		indeno[123-cd]pyrene				8.6	mg/kg		7.396	mg/kg	0.00074 %	✓	
			205-893-2	193-39-5									
38		dibenz[a,h]anthracene				2.5	mg/kg		2.15	mg/kg	0.000215 %	✓	
		601-041-00-2	200-181-8	53-70-3									
39		benzo[ghi]perylene				8.7	mg/kg		7.482	mg/kg	0.000748 %	✓	
			205-883-8	191-24-2									
40		coronene				4.2	mg/kg		3.612	mg/kg	0.000361 %	✓	
			205-881-7	191-07-1									
41		asbestos				0.002	%		0.0017	%	0.00172 %	✓	
		650-013-00-6	- - - - -	12001-28-4 132207-32-0 12172-73-5									

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.142 %		

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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0373%)

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.

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

■ monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341, Acute Tox. 3; H331, Acute Tox. 3; H311, Acute Tox. 3; H301, STOT RE 2; H373, Skin Corr. 1B; H314, Skin Corr. 1B; H314 >= 3 %, Skin Irrit. 2; H315 1 £ conc. < 3 %, Eye Irrit. 2; H319 1 £ conc. < 3 %, Aquatic Chronic 2; H411

■ 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

■ lead compounds with the exception of those specified elsewhere in this Annex (worst case)

GB MCL index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

■ 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

■ 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

▪ **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.
Data source: <http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>
Data source date: 16 Jun 2014
Hazard Statements: STOT SE 2; H371

Appendix B: Rationale for selection of metal species

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

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide].

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings.

arsenic {arsenic pentoxide}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: arsenates, weed killers, metal adhesives, insecticides, fungicides, wood preservatives, coloured gases, printing and dyeing.

barium {barium diboron tetraoxide}

Reasonable case CLP species based on site history, hazard statements/molecular weight. Noted that not enough metal and Cr(VI) present to make the worst case CLP (metal chromate) (noting concentrations not at hazardous levels in any case).

beryllium {beryllium oxide}

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

boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass.

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history.

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

Worst case species based on hazard statements/molecular weight.

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

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass.

copper {dicopper oxide; copper (I) oxide}

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

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Reasonable case CLP species based on site history, hazard statements/molecular weight. Noted that not enough metal and Cr(VI) present to make the worst case CLP (metal chromate) (noting concentrations not at hazardous levels in any case).

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight.

nickel {nickel sulfate}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: copper refining, electroplating and rechargeable batteries. Worst case compounds in CLP not expected as either very soluble and/or compounds industrial usage not related to site history.

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight.

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species.

zinc {zinc chloride}

Reasonable case CLP species based on site history, hazard statements/molecular weight. Noted that not enough metal and Cr(VI) present to make the worst case CLP (metal chromate) (noting concentrations not at hazardous levels in any case).

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2023.332.5826.10798 (28 Nov 2023)
HazWasteOnline Database: 2023.332.5826.10798 (28 Nov 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

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

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)



6N24M-NDS3X-3A56G

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

Job name

23-69218_HWOL

Description/Comments

Mayfield Phase 1A
i2 Analytical Report 23-69218

Project

51001/01

Site

Mayfield Phase 1A

Classified by

Name: Kirsty Poore
Date: 13 Dec 2023 11:54 GMT
Telephone: 07983 740199
Company: Civic Earth Limited
77 Dale Street
Manchester
M12HG

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
05 Oct 2023

Next 3 year Refresher due by Oct 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

Land off Baring Street

Post Code M12 6HW

SIC for the process giving rise to the waste

41201 Construction of commercial buildings

Description of industry/producer giving rise to the waste

Redevelopment of former industrial site into residential-led development.

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

Waste created during the excavation of soils during site investigation.

Description of the waste

Made Ground comprising 6F2 and gravelly sandy clay comprising brick and concrete.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH208--13112023-1.20	1.20	Non Hazardous		3
2	BH206--13112023-3.00	3.00	Non Hazardous		6
3	BH213--13112023-0.30	0.30	Non Hazardous		9

Related documents

#	Name	Description
1	23-69218_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job
2	Civic Earth Soil Suite 3 Waste Stream - i2	waste stream template used to create this Job

Report

Created by: Kirsty Poore

Created date: 13 Dec 2023 11:54 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	12
Appendix B: Rationale for selection of metal species	13
Appendix C: Version	14

Classification of sample: BH208--13112023-1.20

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

Sample details

Sample name:	LoW Code:
BH208--13112023-1.20	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
1.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
8.9%	
(wet weight correction)	

Hazard properties

None identified

Determinands

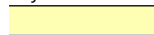
Moisture content: 8.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH				8.4 pH		8.4	pH	8.4 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186								
4	antimony { antimony trioxide }				4.2 mg/kg	1.197	4.58	mg/kg	0.000458 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				51 mg/kg	1.534	71.265	mg/kg	0.00713 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				140 mg/kg	1.623	207.058	mg/kg	0.0207 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				0.84 mg/kg	2.775	2.124	mg/kg	0.000212 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				0.4 mg/kg	3.22	1.173	mg/kg	0.000117 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8										
11	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616	mg/kg	0.00336 %		
		215-160-9	1308-38-9								
12	copper { dicopper oxide; copper (I) oxide }				49 mg/kg	1.126	50.259	mg/kg	0.00503 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	150 mg/kg		136.65	mg/kg	0.0137 %	✓	
	082-001-00-6										

#		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							
14		mercury { mercury dichloride }				0.4 mg/kg	1.353	0.493 mg/kg	0.0000493 %	✓	
		080-010-00-X	231-299-8	7487-94-7							
15		nickel { nickel sulfate }				23 mg/kg	2.637	55.246 mg/kg	0.00552 %	✓	
		028-009-00-5	232-104-9	7786-81-4							
16		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5							
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				26 mg/kg	1.785	42.284 mg/kg	0.00423 %	✓	
		023-001-00-8	215-239-8	1314-62-1							
18		zinc { zinc chloride }				110 mg/kg	2.085	208.89 mg/kg	0.0209 %	✓	
		030-003-00-2	231-592-0	7646-85-7							
19		TPH (C6 to C40) petroleum group				130 mg/kg		118.43 mg/kg	0.0118 %	✓	
				TPH							
20		benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
21		toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
22		ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
24		naphthalene				0.8 mg/kg		0.729 mg/kg	0.0000729 %	✓	
		601-052-00-2	202-049-5	91-20-3							
25		acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8							
26		acenaphthene				0.85 mg/kg		0.774 mg/kg	0.0000774 %	✓	
			201-469-6	83-32-9							
27		fluorene				0.69 mg/kg		0.629 mg/kg	0.0000629 %	✓	
			201-695-5	86-73-7							
28		phenanthrene				4.6 mg/kg		4.191 mg/kg	0.000419 %	✓	
			201-581-5	85-01-8							
29		anthracene				1.1 mg/kg		1.002 mg/kg	0.0001 %	✓	
			204-371-1	120-12-7							
30		fluoranthene				5.2 mg/kg		4.737 mg/kg	0.000474 %	✓	
			205-912-4	206-44-0							
31		pyrene				4.7 mg/kg		4.282 mg/kg	0.000428 %	✓	
			204-927-3	129-00-0							
32		benzo[a]anthracene				1.5 mg/kg		1.366 mg/kg	0.000137 %	✓	
		601-033-00-9	200-280-6	56-55-3							
33		chrysene				2.1 mg/kg		1.913 mg/kg	0.000191 %	✓	
		601-048-00-0	205-923-4	218-01-9							
34		benzo[b]fluoranthene				3.1 mg/kg		2.824 mg/kg	0.000282 %	✓	
		601-034-00-4	205-911-9	205-99-2							
35		benzo[k]fluoranthene				3.5 mg/kg		3.188 mg/kg	0.000319 %	✓	
		601-036-00-5	205-916-6	207-08-9							
36		benzo[a]pyrene; benzo[def]chrysene				2 mg/kg		1.822 mg/kg	0.000182 %	✓	
		601-032-00-3	200-028-5	50-32-8							
37		indeno[123-cd]pyrene				0.99 mg/kg		0.902 mg/kg	0.0000902 %	✓	
			205-893-2	193-39-5							
38		dibenz[a,h]anthracene				0.25 mg/kg		0.228 mg/kg	0.0000228 %	✓	
		601-041-00-2	200-181-8	53-70-3							
39		benzo[ghi]perylene				1.1 mg/kg		1.002 mg/kg	0.0001 %	✓	
			205-883-8	191-24-2							
40		coronene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-881-7	191-07-1							
41		asbestos				<		<	<		ND
		650-013-00-6	- - - - -	12001-28-4 132207-32-0 12172-73-5							

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.0972 %		

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
ND	Not detected
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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0118%)

Classification of sample: BH206--13112023-3.00

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

Sample details

Sample name:	LoW Code:
BH206--13112023-3.00	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
3.00 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14%	
(wet weight correction)	

Hazard properties

None identified

Determinands

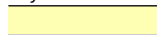
Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	pH		PH		8 pH		8 pH		8pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg		<0.000188 %		<LOD
	006-007-00-5										
3	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg		<0.0001 %		<LOD
4	antimony { antimony trioxide }				5.7 mg/kg	1.197	5.868 mg/kg		0.000587 %	✓	
	051-005-00-X	215-175-0	1309-64-4								
5	arsenic { arsenic pentoxide }				81 mg/kg	1.534	106.85 mg/kg		0.0107 %	✓	
	033-004-00-6	215-116-9	1303-28-2								
6	barium { barium diboron tetraoxide }				220 mg/kg	1.623	307.161 mg/kg		0.0307 %	✓	
	056-005-00-3	237-222-4	13701-59-2								
7	beryllium { beryllium oxide }				1.1 mg/kg	2.775	2.625 mg/kg		0.000263 %	✓	
	004-003-00-8	215-133-1	1304-56-9								
8	boron { diboron trioxide }				0.6 mg/kg	3.22	1.661 mg/kg		0.000166 %	✓	
	005-008-00-8	215-125-8	1303-86-2								
9	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg		<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg		<0.000409 %		<LOD
	024-017-00-8										
11	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								
12	copper { dicopper oxide; copper (I) oxide }				99 mg/kg	1.126	95.858 mg/kg		0.00959 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	300 mg/kg		258 mg/kg		0.0258 %	✓	
	082-001-00-6										

#		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							
14		mercury { mercury dichloride }				0.9 mg/kg	1.353	1.048 mg/kg	0.000105 %	✓	
		080-010-00-X	231-299-8	7487-94-7							
15		nickel { nickel sulfate }				21 mg/kg	2.637	47.619 mg/kg	0.00476 %	✓	
		028-009-00-5	232-104-9	7786-81-4							
16		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
		028-031-00-5	239-125-2	15060-62-5							
17		vanadium { divanadium pentaoxide; vanadium pentoxide }				26 mg/kg	1.785	39.917 mg/kg	0.00399 %	✓	
		023-001-00-8	215-239-8	1314-62-1							
18		zinc { zinc chloride }				170 mg/kg	2.085	304.757 mg/kg	0.0305 %	✓	
		030-003-00-2	231-592-0	7646-85-7							
19		TPH (C6 to C40) petroleum group				142 mg/kg		122.12 mg/kg	0.0122 %	✓	
				TPH							
20		benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2							
21		toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3							
22		ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4							
23		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4							
24		naphthalene				0.51 mg/kg		0.439 mg/kg	0.0000439 %	✓	
		601-052-00-2	202-049-5	91-20-3							
25		acenaphthylene				0.06 mg/kg		0.0516 mg/kg	0.00000516 %	✓	
			205-917-1	208-96-8							
26		acenaphthene				0.58 mg/kg		0.499 mg/kg	0.0000499 %	✓	
			201-469-6	83-32-9							
27		fluorene				0.4 mg/kg		0.344 mg/kg	0.0000344 %	✓	
			201-695-5	86-73-7							
28		phenanthrene				3.4 mg/kg		2.924 mg/kg	0.000292 %	✓	
			201-581-5	85-01-8							
29		anthracene				0.77 mg/kg		0.662 mg/kg	0.0000662 %	✓	
			204-371-1	120-12-7							
30		fluoranthene				5 mg/kg		4.3 mg/kg	0.00043 %	✓	
			205-912-4	206-44-0							
31		pyrene				4.6 mg/kg		3.956 mg/kg	0.000396 %	✓	
			204-927-3	129-00-0							
32		benzo[a]anthracene				1.7 mg/kg		1.462 mg/kg	0.000146 %	✓	
		601-033-00-9	200-280-6	56-55-3							
33		chrysene				2.2 mg/kg		1.892 mg/kg	0.000189 %	✓	
		601-048-00-0	205-923-4	218-01-9							
34		benzo[b]fluoranthene				2.5 mg/kg		2.15 mg/kg	0.000215 %	✓	
		601-034-00-4	205-911-9	205-99-2							
35		benzo[k]fluoranthene				2.8 mg/kg		2.408 mg/kg	0.000241 %	✓	
		601-036-00-5	205-916-6	207-08-9							
36		benzo[a]pyrene; benzo[def]chrysene				2.2 mg/kg		1.892 mg/kg	0.000189 %	✓	
		601-032-00-3	200-028-5	50-32-8							
37		indeno[123-cd]pyrene				1.2 mg/kg		1.032 mg/kg	0.000103 %	✓	
			205-893-2	193-39-5							
38		dibenz[a,h]anthracene				0.28 mg/kg		0.241 mg/kg	0.0000241 %	✓	
		601-041-00-2	200-181-8	53-70-3							
39		benzo[ghi]perylene				1.4 mg/kg		1.204 mg/kg	0.00012 %	✓	
			205-883-8	191-24-2							
40		coronene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			205-881-7	191-07-1							
41		asbestos				<		<	<		ND
		650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5							

#	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							
			77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.136 %		

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
ND	Not detected
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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0122%)

Classification of sample: BH213--13112023-0.30

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

Sample details

Sample name:	LoW Code:
BH213--13112023-0.30	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 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				11.7 pH		11.7 pH	11.7 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	monohydric phenols				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
4	antimony { antimony trioxide }				2.2 mg/kg	1.197	2.291 mg/kg	0.000229 %	✓	
5	arsenic { arsenic pentoxide }				16 mg/kg	1.534	21.352 mg/kg	0.00214 %	✓	
6	barium { barium diboron tetraoxide }				280 mg/kg	1.623	395.478 mg/kg	0.0395 %	✓	
7	beryllium { beryllium oxide }				0.55 mg/kg	2.775	1.328 mg/kg	0.000133 %	✓	
8	boron { diboron trioxide }				1.9 mg/kg	3.22	5.322 mg/kg	0.000532 %	✓	
9	cadmium { cadmium oxide }				0.8 mg/kg	1.142	0.795 mg/kg	0.0000795 %	✓	
10	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
11	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	19 mg/kg	0.0019 %		
12	copper { dicopper oxide; copper (I) oxide }				42 mg/kg	1.126	41.14 mg/kg	0.00411 %	✓	
13	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	100 mg/kg		87 mg/kg	0.0087 %	✓	

#	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	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								
15	nickel { nickel sulfate }				13 mg/kg	2.637	29.821 mg/kg	0.00298 %		✓	
	028-009-00-5	232-104-9	7786-81-4								
16	selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %			<LOD
	028-031-00-5	239-125-2	15060-62-5								
17	vanadium { divanadium pentaoxide; vanadium pentoxide }				17 mg/kg	1.785	26.403 mg/kg	0.00264 %		✓	
	023-001-00-8	215-239-8	1314-62-1								
18	zinc { zinc chloride }				89 mg/kg	2.085	161.404 mg/kg	0.0161 %		✓	
	030-003-00-2	231-592-0	7646-85-7								
19	TPH (C6 to C40) petroleum group				298 mg/kg		259.26 mg/kg	0.0259 %		✓	
			TPH								
20	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
21	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
22	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
23	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								
24	naphthalene				2.8 mg/kg		2.436 mg/kg	0.000244 %		✓	
	601-052-00-2	202-049-5	91-20-3								
25	acenaphthylene				0.16 mg/kg		0.139 mg/kg	0.0000139 %		✓	
		205-917-1	208-96-8								
26	acenaphthene				3 mg/kg		2.61 mg/kg	0.000261 %		✓	
		201-469-6	83-32-9								
27	fluorene				2.5 mg/kg		2.175 mg/kg	0.000217 %		✓	
		201-695-5	86-73-7								
28	phenanthrene				16 mg/kg		13.92 mg/kg	0.00139 %		✓	
		201-581-5	85-01-8								
29	anthracene				4.4 mg/kg		3.828 mg/kg	0.000383 %		✓	
		204-371-1	120-12-7								
30	fluoranthene				15 mg/kg		13.05 mg/kg	0.00131 %		✓	
		205-912-4	206-44-0								
31	pyrene				13 mg/kg		11.31 mg/kg	0.00113 %		✓	
		204-927-3	129-00-0								
32	benzo[a]anthracene				5.9 mg/kg		5.133 mg/kg	0.000513 %		✓	
	601-033-00-9	200-280-6	56-55-3								
33	chrysene				6 mg/kg		5.22 mg/kg	0.000522 %		✓	
	601-048-00-0	205-923-4	218-01-9								
34	benzo[b]fluoranthene				8.2 mg/kg		7.134 mg/kg	0.000713 %		✓	
	601-034-00-4	205-911-9	205-99-2								
35	benzo[k]fluoranthene				9.3 mg/kg		8.091 mg/kg	0.000809 %		✓	
	601-036-00-5	205-916-6	207-08-9								
36	benzo[a]pyrene; benzo[def]chrysene				5.7 mg/kg		4.959 mg/kg	0.000496 %		✓	
	601-032-00-3	200-028-5	50-32-8								
37	indeno[123-cd]pyrene				2.7 mg/kg		2.349 mg/kg	0.000235 %		✓	
		205-893-2	193-39-5								
38	dibenz[a,h]anthracene				0.7 mg/kg		0.609 mg/kg	0.0000609 %		✓	
	601-041-00-2	200-181-8	53-70-3								
39	benzo[ghi]perylene				3.3 mg/kg		2.871 mg/kg	0.000287 %		✓	
		205-883-8	191-24-2								
40	coronene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-881-7	191-07-1								
41	asbestos				<0.001 %		<0.001 %	<0.001 %			<LOD
	650-013-00-6	-----	12001-28-4 132207-32-0 12172-73-5								

#		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							
				77536-66-4 77536-68-6 77536-67-5 12001-29-5							
42	pH: acid/alkali reserve					0.246 gNaOH		0.246 gNaOH	0.246 gNaOH		
				ACID_ALK_RES							
43	xylene					<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1]	95-47-6 [1]								
		203-396-5 [2]	106-42-3 [2]								
		203-576-3 [3]	108-38-3 [3]								
		215-535-7 [4]	1330-20-7 [4]								
Total:									0.116 %		

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 No liquid phase present.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0259%)

HP 4: Irritant - skin irritation and eye damage "waste which on application can cause skin irritation or damage to the eye"

Force this Hazardous property to non hazardous because There are concrete fragments in the soil which when tested, generated pH results above 11.5. An acid alkali reserve test indicated that the pH is a weak pH (i.e. not well buffered) and the waste therefore may not be irritant or corrosive. The raised pH is caused by the presence of calcium hydroxide exposed during the sample preparation process. Natural carbonation would negate the raised pH after about 24 hours. Apart from the concrete, there are no other substances in the waste that could generate a high pH. Concrete is a mirror non-hazardous entry in the List of Waste: 17 01 01. Conclusion: The waste is strictly a mixed waste and the concrete component, coded 17 01 01 does not make the waste hazardous.

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

Because of determinand:

pH: (conc.: 11.7 pH)

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

Force this Hazardous property to non hazardous because There are concrete fragments in the soil which when tested, generated pH results above 11.5. An acid alkali reserve test indicated that the pH is a weak pH (i.e. not well buffered) and the waste therefore may not be irritant or corrosive. The raised pH is caused by the presence of calcium hydroxide exposed during the sample preparation process. Natural carbonation would negate the raised pH after about 24 hours. Apart from the concrete, there are no other substances in the waste that could generate a high pH. Concrete is a mirror non-hazardous entry in the List of Waste: 17 01 01. Conclusion: The waste is strictly a mixed waste and the concrete component, coded 17 01 01 does not make the waste hazardous.

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

Because of determinand:

pH: (conc.: 11.7 pH)

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.

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

• monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341, Acute Tox. 3; H331, Acute Tox. 3; H311, Acute Tox. 3; H301, STOT RE 2; H373, Skin Corr. 1B; H314, Skin Corr. 1B; H314 >= 3 %, Skin Irrit. 2; H315 1 <= conc. < 3 %, Eye Irrit. 2; H319 1 <= conc. < 3 %, Aquatic Chronic 2; H411

• 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

• lead compounds with the exception of those specified elsewhere in this Annex (worst case)

GB MCL index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

• 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

• 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

▪ **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.
Data source: <http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>
Data source date: 16 Jun 2014
Hazard Statements: STOT SE 2; H371

▪ **pH: acid/alkali reserve** (CAS Number: ACID_ALK_RES)

Description/Comments: Appendix C4; unit: grams of sodium hydroxide (equivalent) per 100g of substance required to adjust the pH to the appropriate value
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

Appendix B: Rationale for selection of metal species

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

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil. [Note conversion factor based on a worst case compound: sodium cyanide].

antimony {antimony trioxide}

Worst case CLP species based on hazard statements/molecular weight and low solubility. Industrial sources include: flame retardants in electrical apparatus, textiles and coatings.

arsenic {arsenic pentoxide}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: arsenates, weed killers, metal adhesives, insecticides, fungicides, wood preservatives, coloured gases, printing and dyeing.

barium {barium diboron tetraoxide}

Reasonable case CLP species based on site history, hazard statements/molecular weight. Noted that not enough metal and Cr(VI) present to make the worst case CLP (metal chromate) (noting concentrations not at hazardous levels in any case).

beryllium {beryllium oxide}

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

boron {diboron trioxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass.

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history.

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

Worst case species based on hazard statements/molecular weight.

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

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass.

copper {dicopper oxide; copper (I) oxide}

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

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Reasonable case CLP species based on site history, hazard statements/molecular weight. Noted that not enough metal and Cr(VI) present to make the worst case CLP (metal chromate) (noting concentrations not at hazardous levels in any case).

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight.

nickel {nickel sulfate}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: copper refining, electroplating and rechargeable batteries. Worst case compounds in CLP not expected as either very soluble and/or compounds industrial useage not related to site history.

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight.

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species.

zinc {zinc chloride}

Reasonable case CLP species based on site history, hazard statements/molecular weight. Noted that not enough metal and Cr(VI) present to make the worst case CLP (metal chromate) (noting concentrations not at hazardous levels in any case).

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2023.341.5847.10836 (07 Dec 2023)
HazWasteOnline Database: 2023.341.5847.10836 (07 Dec 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

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

Manchester

Carver's Warehouse
77 Dale Street
Manchester M1 2HG
+44 (0)161 228 6757

London

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London SE1 2AX
+44 (0)20 7253 2977

Leeds

1 Saw Mill Street
Water Lane
Leeds, LS11 5WE
+44 (0)113 2025 130

Glasgow

35 Virginia Street
Glasgow G1 2TN
+44 (0)141 370 1829

Appendix G

United Utilities Asset Map

Civic Engineers Ltd

**Carvers Warehouse
Carvers Warehouse,
Manchester,
M1 2HG**

FAO:

How to contact us:

**United Utilities Water Limited
Property Searches
Haweswater House
Lingley Mere Business Park
Great Sankey
Warrington
WA5 3LP**

Telephone: 0370 7510101

E-mail: propertysearches@uuplc.co.uk

**Your Ref: Mayfield Phase 1a
Our Ref: UUPS-ORD-540526
Date: 05/01/2024**

Dear Sirs

Location: U

I acknowledge with thanks your request dated 04/01/2024 for information on the location of our services.

Please find enclosed plans showing the approximate position of United Utilities' apparatus known to be in the vicinity of this site.

The enclosed plans are being provided to you subject to the United Utilities terms and conditions for both the wastewater and water distribution plans which are shown attached.

If you are planning works anywhere in the North West, please read United Utilities' access statement before you start work to check how it will affect our network. <http://www.unitedutilities.com/work-near-asset.aspx>.

I trust the above meets with your requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please [contact us](#).

Yours Faithfully,



Karen McCormack
Property Searches Manager

TERMS AND CONDITIONS - WASTEWATER AND WATER DISTRIBUTION PLANS

These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self construction of water mains) (UUWL apparatus) of United Utilities Water Limited "(UUWL)".

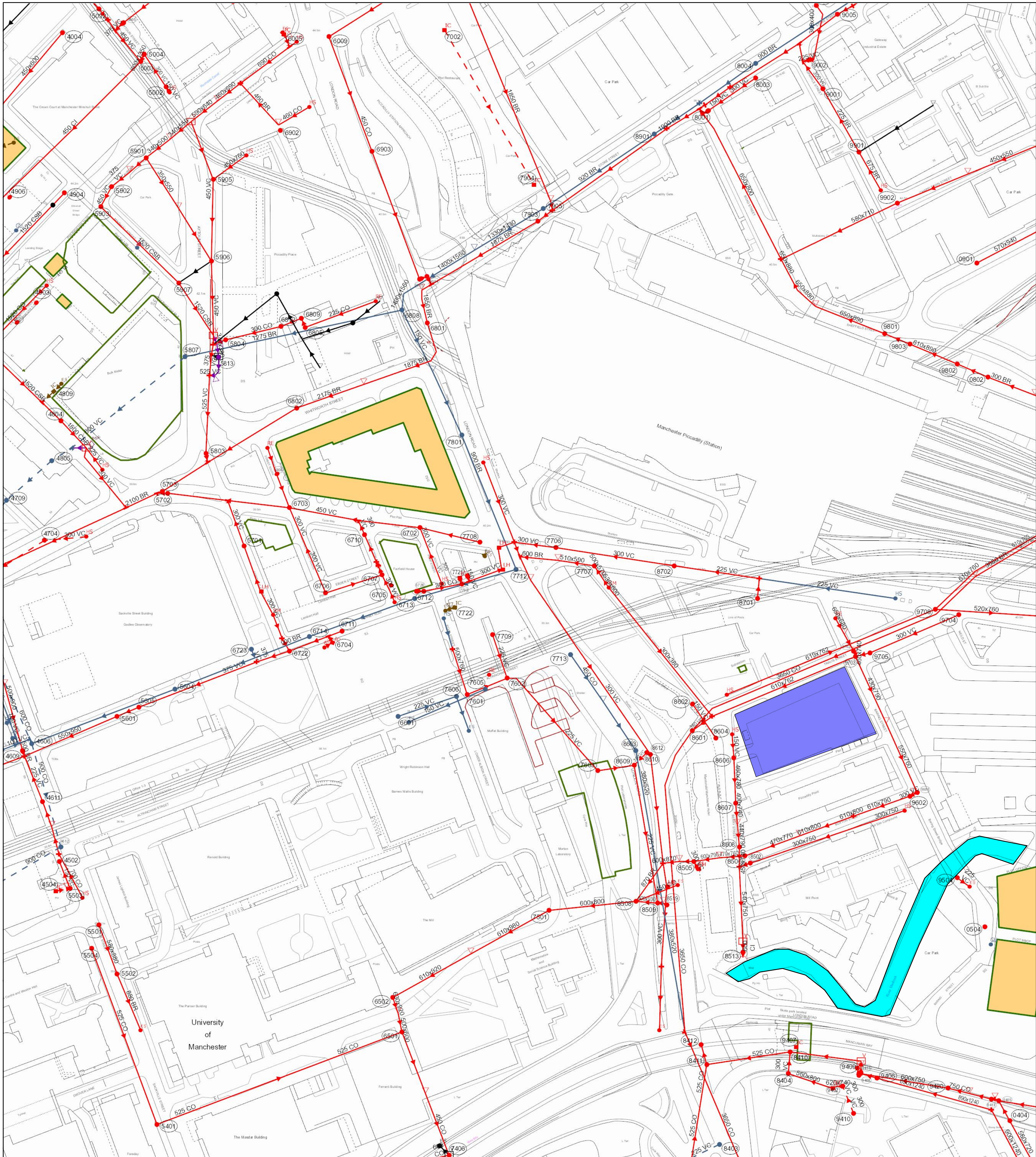
TERMS AND CONDITIONS:

- This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.
- This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.
- In particular, the position and depth of any UUWL apparatus shown on the Map are approximate only. UUWL strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UUWL apparatus. The exact location, positions and depths should be obtained by excavation trial holes.
- The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.
- The position and depth of UUWL apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.
- This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UUWL apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.
- No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UUWL apparatus by reason of the actual position and/or depths of UUWL apparatus being different from those shown on the Map and any information supplied with it.
- If any provision contained herein is or becomes legally invalid or unenforceable, it will be taken to be severed from the remaining provisions which shall be unaffected and continue in full force and affect.
- This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UUWL from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.

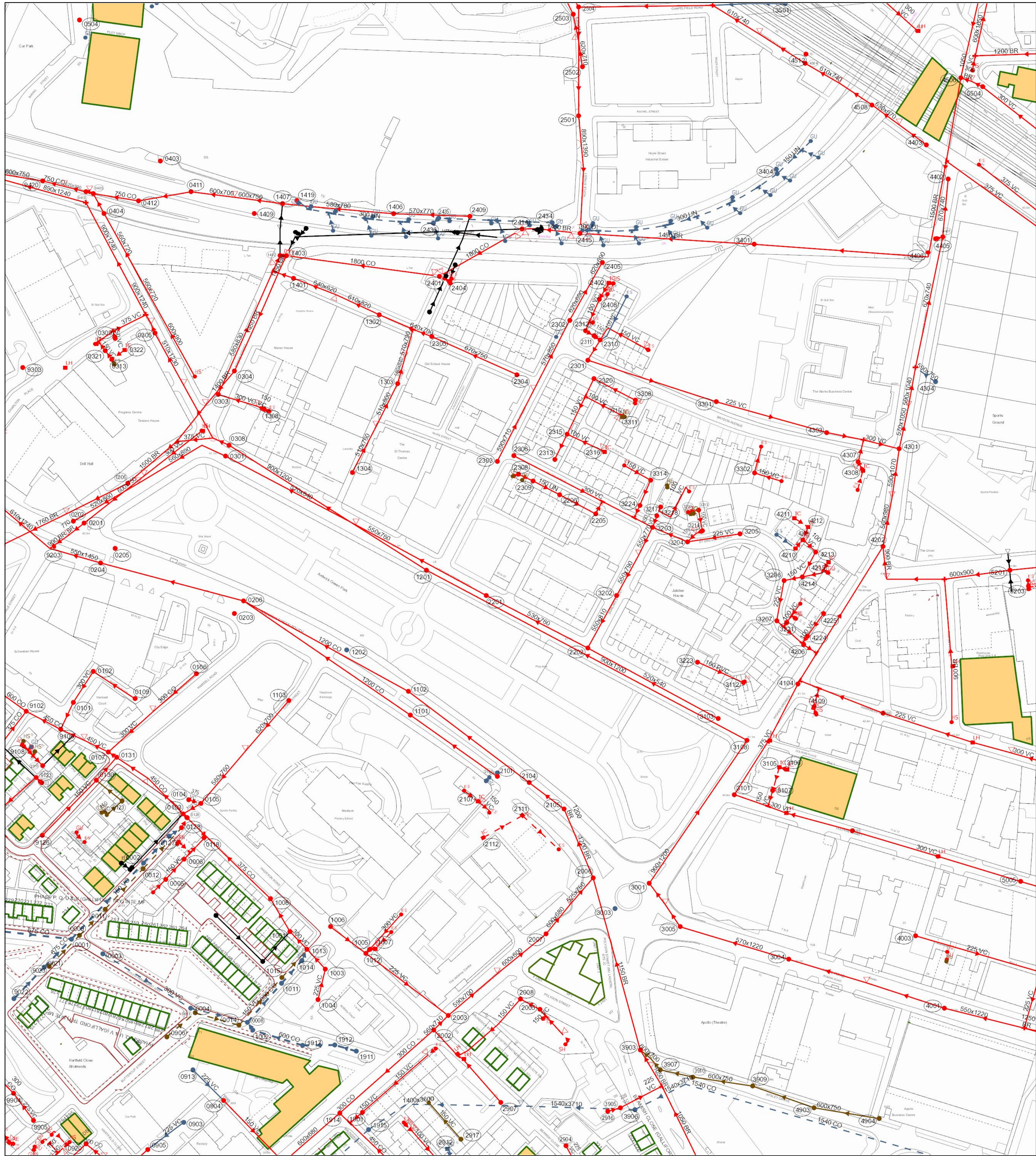
The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

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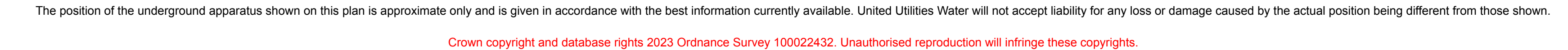
																					LEGEND			
Route	Center	Func	Conv	Invert	Size x	Size y	Shape	Matl	Length	Grad	R/Ho	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad				
8002		CO		0	225			VC	34.76073		1.9107	39.97	CO	36.68	375			CO	32.63269	1 in 383				
8002		CO		0	225			VC	55.17175		1.9106	39.97	CO	36.68	375			CO	30.84169	1 in 388				
8406	37.14	CO		0	225			BR	9.214314		0.0003	40.07	SW	38.59	300			VC	57.13377	1 in 248				
8406	37.14	CO		0	880			BR	9.214314		0.0003	40.07	SW	38.59	300			VC	57.13377	1 in 248				
4302	34.88	SW	32.82	300				CO	60.90156		0.0113	35.32	CO	30.56	450			BR	3	1 in 29				
8406	38.13	CO		36.68	300			VC	29.20616	1 in 86	0.0125	39.97	CO	36.96	300			BR	3	1 in 117				
8905	39.01	CO		35.46	600			CO	35.35354	1 in 59	0.0408		CO	36.55	450			VC	2.032875					
8406	38.13	CO		36.68	300			VC	13.1111		0.0131	39.72	CO	36.55	450			VC	5.349313					
5303		SW	0	450				CO	41.48484		0.0131	39.72	CO	36.55	450			VC	5.349313					
8406	38.13	CO		36.68	300			VC	16.15549	1 in 9	0.0131	39.72	CO	36.55	450			VC	5.349313	1 in 117				
8410		CO		300				VC	10.15095		0.0123	39.9	CO	37.42	225			VC	38.58449	1 in 117				
8410	38.76	CO		33.58	600			VC	10.15095	1 in 228	0.0123	39.9	CO	37.42	600			VC	10.05029	1 in 545				
7204	39.23	CO		30.79	600			BR	23.29941		0.0011	40.11	SW	37.53	675			VC	57.80459	1 in 385				
8202	40.36	CO		37.9	225			CO	49.19355	1 in 59	0.0110	40.11	SW	37.53	675			VC	57.80459	1 in 385				
8202		CO		37.9	225			CO	83.21668	1 in 163	0.0209	39.97	CO	36.96	300			UN	0.2975983					
8415	35.57	CO		31.61	800			CO	4		0.0820	40.16	SW	36.95	300			CO	33.97058	1 in 126				
8415	35.57	CO		31.61	800			CO	4		0.0820	40.16	SW	36.95	300			VC	33.97058	1 in 126				
5108	38.19	CO		31.76	880			CO	46.14109	1 in 2	0.0003	41.29	CO	39.22	225			VC	39.22121					
8309	37.46	CO		33.83	570			BR	11.9814	1 in 85	0.007	40.75	CO	39.03	225			CO	50.81679	1 in 141				
8309	38.51	CO		30.78	600			BR	16.10452		0.0124	40.14	CO	37.19	225			VC	18.3917	1 in 115				
7312	37.87	CO		34.75	225			CO	12.8295	1 in 107	0.0207		CO	0	450			BR	3.053249					
8206	38.36	CO		37.36	600			CO	1.1 in 263		0.0031	39.96	CO	37.58	225			VC	34.71839	1 in 29				
8202	38.91	CO		36.32	225			VC	19.92486	1 in 142	0.0109		CO	0	590			CO	21.47091					
8402	37.7	CO		32.53	375			VC	27.78489	1 in 169	0.0109		CO	0	450			VC	21.47091					
8602	38.08	CO		34	650			BR	26.8332	1 in 149	0.0118		CO	0	150			VC	3.345028					
9301	39.09	CO		34.93	300			VC	15.8205		0.0119	39.04	SW	36.83	600			CO	61.70521	1 in 411				
8402	38.42	CO		33.63	620			VC	60.03333		0.0098	39.68	CO	37.21	300			VC	42.76488	1 in 171				
8402	36.04	SW	28.86	225				VC	63.38819	1 in 145	0.0116	39.48	SW	36.48	0			UN	0.2844062					
8402	38.42	CO		33.63	620			VC	60.82763	1 in 210	0.0109		CO	0	150			VC	4.060181					
0404	38.42	CO		33.63	620			BR	12.25966		0.0109		CO	0	150			VC	11.72358					
8404	38.42	CO		33.63	620			VC	12.25966		0.0109		CO	0	150			VC	39.59222	1 in 284				
0404	38.42	CO		33.63	620			BR	12.25966		0.0109		CO	0	150			VC	14.18748	1 in 23				
7203	38.53	CO		31.75	750			BR	12.25966	1 in 105	0.0103	39.86	CO	37.66	600			VC	4.274117	1 in 31				
8205	38.81	SW	35.31	610				VC	20.14476	1 in 104	0.001	39.92	CO	37.27	300			VC	6.278586	1 in 105				
8205	38.81	SW	35.31	610				VC	20.14476	1 in 104	0.001	39.92	CO	37.27	300			VC	99.27311	1 in 307				
0102	40.24	CO		37.63	300			VC	20.14476	1 in 135	0.014	39.96	CO	35.55	375			CO	23.17943	1 in 484				
8406	38.45	CO		28.51	600			VC	19.10407	1 in 637	0.011	39.96	FO	37.73	150			VC	30.76251	1 in 154				
8206		CO		0	600			CO	20		0.011	39.96	FO	37.73	150			VC	30.76251	1 in 154				
0313		CO		0	600			VC	6.01189		0.0109		CO	0	150			VC	9.87649					
0313		CO		0	600			VC	6.01189		0.0109		CO	0	150			VC	8.529122					
8302	37.77	CO		32	3650			CO	300.1748	1 in 385	0.0117	39.53	CO	36.63	225			VC	33.90603	1 in 29				
8302	38.07	CO		34.55	610			VC	24.05319	1 in 31	0.0106		CO	0	600			VC	99.87275					
8211		CO		0	620			VC	34.3216		0.0106		CO	0	600			VC	99.87275					
0102	38.51	CO		34.93	480			VC	3		0.003	39.8	FO	37.17	150			VC	23.89834	1 in 80				
7905	38.14	CO		33.49	580			BR	7.07368		0.0023	39.8	FO	38.17	150			VC	23.89834	1 in 80				
0309	40.45	CO		30.06	150			VC	4.123106		0.0017	39.58	FO	37.7	150			VC	27.1504	1 in 55				
8404	35.09	CO		30.85	300			VC	12.04159		0.0116	39.4	SW	36.68	600			CO	6.610154	1 in 328				
8404	35.09	CO		30.85	300			VC	12.04159		0.0116	39.4	SW	36.68	600			VC	24.05621	1 in 401				
9101	35.84	SW	28.27	690				BR	40.20366		0.0022	39.41	SW	37.64	675			CO	24.05621	1 in 401				
8401	35.84	SW	28.27	690				VC	62.11628	1 in 27	0.0022	39.41	SW	37.64	675			VC	24.05621	1 in 401				
8411	34.81	CO		29.12	525			CO	11.01715		0.0123		FO	37.73	150			VC	18.11387					
8411	34.81	CO		29.12	525			CO	11.01715		0.0123		FO	37.73	150			VC	31.27355					
5301	35.81	CO		32.55	600			VC	13.75933		0.0017	37.16	SW	28.37	225			VC	63.71814	1 in 75				
5115		CO		0	150			VC	14.64464		0.0109		CO	0	150			VC	34.0437					
8202	38.53	CO		30.59	8600			VC	321.5864		0.0106	39.58	SW	37.62	600			VC	34.0437					
8206	40.55	CO		27.38	1500			BR	38.01316	1 in 253	0.0102	39.9	CO	36.26	600			VC	39.48012					
8206	40.55	CO		27.38	1500			BR	38.01316	1 in 253	0.0102	39.9	CO	36.26	600			VC	14.84806					
8204	40.23	CO		31.86	450			VC	26.92582		0.0007	40.1	CO	0	450			VC	14.84806					
8204	40.23	CO		31.86	450			VC	26.92582		0.0007	40.1	CO	0	450			VC	14.84806					
7901	38.81	CO		34.46	600			VC	48.01041		0.009	40.1	FO	37.87	150			VC	20.27092	1 in 145				
7901	38.81	CO		34.46	600			VC	48.01041		0.009	40.1	FO	37.87	150			VC	20.27092	1 in 145				
7215	36.86	CO		35.68	150			VC	3.197819		0.0058	34.72	CO	28.31	600			BR	48.25971	1 in 1609				
7215	36.86	CO		35.68	150			VC	3.197819		0.0058	34.72	CO	28.31	600			BR	48.25971	1 in 1609				
7213		CO		0	150			VC	0.97778		0.0118	38.77	SW	35.9	600			CO	26.91296	1 in 384				
8202	37.89	CO		30.59	225			VC	18.4707		0.0106	39.58	SW	37.4	600			VC	14.88561	1 in 372				
7402	35.87	CO		31.16	720			BR	7.211102	1 in 45	0.0130	39.95	CO	37.06	150			VC	16.85166	1 in 80				
8408	35.4	CO		32.06	800			VC	4.123106	1 in 4	0.0018	38.58	FO	37.9	150			VC	16.85166	1 in 80				
8408	35.4	CO		32.06	800			VC	4.123106	1 in 4	0.0018	38.58	FO	37.9	150			VC	15.17795	1 in 76				
4303	34.81	SW	33.19	150				VC	15.52417	1 in 141	0.0126	39.91	SW	37.58	150			VC	42.63976	1 in 82				
5501	35.75	CO		31.79	580			BR	28.79236	1 in 110	0.0020	39.61	SW	37.63	675			VC	44.18507	1 in 442				
5501	35.75	CO		31.79	580			BR	28.79236	1 in 110	0.0020	39.61	SW	37.63	675			VC	44.18507	1 in 442				
0405		CO		0	750			VC	2.236068		0.0121		CO	0	150			VC	37.64601					
0405		CO		0	750			VC	2.236068		0.0121		CO	0	150			VC	37.64601					
0405		CO		0	750																			



Refo	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
1	2	3	4	5	6	7	8	9	10
5000	40.88	CO	34.11	300			VC	53.31041	
5001	40.88	CO	35.04	300			VC	53.31041	
5002	36.07	CO	31.29	470			VC	27.78702	1 in 10
5003	38.84	SW	33.81	150			BR	14.02667	1 in 179
5004	40.02	CO	32.88	450			VC	33.95585	
5005	40.38	CO	35.36	300			VC	23.19433	1 in
5006	40.38	CO	35.36	300			VC	16.15549	1 in
5007	40.38	CO	35.36	300			VC	42.15448	1 in 1
5008	39.84	CO	34.21	430			BR	2.23608	1 in 59
5009	44.97	CO	39.72	300			VC	40.71855	1 in 62
5010	43.72	CO	38.39	450			VC	21.63331	1 in 34
5011	35.57	CO	31.81	900			CO	4	
5012	35.57	CO	31.81	900			CO	4	
5013	37.66	CO	33.09	300			VC	15.81139	
5014	40.39	SW	32.75	600			VC	33.30165	1 in 241
5015	43.19	CO	39	300			CI	12.04159	
5016	38.42	CO	33.63	450			VC	75.14354	
5017	38.42	CO	33.63	620			BR	12.52996	
5018	38.42	CO	33.63	620			BR	12.52996	
5019	40.88	CO	38.14	300			BR	8.94422	1 in 2
5020	38.85	CO	31.17	500			BR	56.54778	
5021	39.03	CO	31.45	225			CI	73.0147	1 in 33
5022	44.8	CO	38.43	450			CI	103.9497	
5023	36.55	SW	27.58	900			CO	99.47894	
5024	41.59	CO	36.97	610			BR	15.24851	1 in 32
5025	41.59	CO	36.97	610			BR	15.24851	1 in 32
5026	40.81	CO	36.82	225			VC	25.29622	1 in 7
5027	40.81	CO	36.82	225			VC	11.04536	
5028	35.09	CO	30.85	300			VC	12.04159	
5029	35.09	CO	30.85	300			VC	12.04159	
5030	40.87	CO	32.89	300			VC	5.385165	
5031	34.81	CO	29.12	525			CO	11.40175	
5032	34.81	CO	29.12	525			CO	11.40175	
5033	40.85	CO	37.49	520			BR	21.37756	1 in 5
5034	40.85	CO	37.49	520			BR	62.1289	
5035	40.85	CO	37.49	520			BR	62.1289	
5036	43.51	CO	37.55	450			VC	12.52996	1 in 45
5037	40.2	CO	36.22	300			VC	22.4722	1 in 2247
5038	40.88	CO	33.28	300			VC	11.07837	
5039	39.59	SW	29.25	1275			BR	122.1995	1 in 52
5040	38.34	CO	37.17	460			BR	25.01999	1 in 6
5041	44.45	CO	39.04	710			BR	3.6106	
5042	40.47	CO	31.63	525			CO	5.9902	
5043	37.43	CO	32.74	450			BR	67.53514	
5044	39.59	SW	29.25	150			VC	12.04159	1 in 20
5045	42.32	CO	37.89	550			VC	38.01316	1 in 422
5046	35.4	CO	32.06	900			BR	28.92582	1 in 112
5047	35.4	CO	32.06	900			BR	4.123108	1 in 4
5048	35.4	CO	32.06	900			BR	4.123108	1 in 4
5049	36.03	CO	28.48	450			BR	8	
5050	40.39	CO	32.52	1500			CBS	4.97611	
5051	43.33	CO	38.54	1500			CBS	20.41156	1 in 34
5052	43.62	CO	38.7	1500			CBS	22.72708	1 in 49
5053	38.25	CO	33.64	375			CBS	60.10791	1 in 118
5054	38.25	CO	33.64	375			CBS	3.60551	
5055	35.75	CO	31.79	580			BR	28.79238	1 in 10
5056	35.75	CO	31.79	580			BR	28.79238	1 in 10
5057	40.45	CO	31.63	525			CO	2.23608	
5058	40.45	CO	31.63	525			CO	2.23608	
5059	37.91	CO	33.12	620			BR	12.36932	1 in 88
5060	37.91	CO	33.12	620			BR	12.36932	1 in 88
5061	37.91	CO	33.12	620			BR	12.36932	1 in 88
5062	37.91	CO	33.12	620			BR	12.36932	1 in 88
5063	37.91	CO	33.12	620			BR	12.36932	1 in 88
5064	37.91	CO	33.12	620			BR	12.36932	1 in 88
5065	37.91	CO	33.12	620			BR	12.36932	1 in 88
5066	37.91	CO	33.12	620			BR	12.36932	1 in 88
5067	37.91	CO	33.12	620			BR	12.36932	1 in 88
5068	37.91	CO	33.12	620			BR	12.36932	1 in 88
5069	37.91	CO	33.12	620			BR	12.36932	1 in 88
5070	37.91	CO	33.12	620			BR	12.36932	1 in 88
5071	37.91	CO	33.12	620			BR	12.36932	1 in 88
5072	37.91	CO	33.12	620			BR	12.36932	1 in 88
5073	37.91	CO	33.12	620			BR	12.36932	1 in 88
5074	37.91	CO	33.12	620			BR	12.36932	1 in 88
5075	37.91	CO	33.12	620			BR	12.36932	1 in 88
5076	37.91	CO	33.12	620			BR	12.36932	1 in 88
5077	37.91	CO	33.12	620			BR	12.36932	1 in 88
5078	37.91	CO	33.12	620			BR	12.36932	1 in 88
5079	37.91	CO	33.12	620			BR	12.36932	1 in 88
5080	37.91	CO	33.12	620			BR	12.36932	1 in 88
5081	37.91	CO	33.12	620			BR	12.36932	1 in 88
5082	37.91	CO	33.12	620			BR	12.36932	1 in 88
5083	37.91	CO	33.12	620			BR	12.36932	1 in 88
5084	37.91	CO	33.12	620			BR	12.36932	1 in 88
5085	37.91	CO	33.12	620			BR	12.36932	1 in 88
5086	37.91	CO	33.12	620			BR	12.36932	1 in 88
5087	37.91	CO	33.12	620			BR	12.36932	1 in 88
5088	37.91	CO	33.12	620			BR	12.36932	1 in 88
5089	37.91	CO	33.12	620			BR	12.36932	1 in 88
5090	37.91	CO	33.12	620			BR	12.36932	1 in 88
5091	37.91	CO	33.12	620			BR	12.36932	1 in 88
5092	37.91	CO	33.12	620			BR	12.36932	1 in 88
5093	37.91	CO	33.12	620			BR	12.36932	1 in 88
5094	37.91	CO	33.12	620			BR	12.36932	1 in 88
5095	37.91	CO	33.12	620			BR	12.36932	1 in 88
5096	37.91	CO	33.12	620			BR	12.36932	1 in 88
5097	37.91	CO	33.12	620			BR	12.36932	1 in 88
5098	37.91	CO	33.12	620			BR	12.36932	1 in 88
5099	37.91	CO	33.12	620			BR	12.36932	1 in 88
5100	37.91	CO	33.12	620			BR	12.36932	1 in 88
5101	37.91	CO	33.12	620			BR	12.36932	1 in 88
5102	37.91	CO	33.12	620			BR	12.36932	1 in 88
5103	37.91	CO	33.12	620			BR	12.36932	1 in 88
5104	37.91	CO	33.12	620			BR	12.36932	1 in 88
5105	37.91	CO	33.12	620			BR	12.36932	1 in 88
5106	37.91	CO	33.12	620			BR	12.36932	1 in 88
5107	37.91	CO	33.12	620			BR	12.36932	1 in 88
5108	37.91	CO	33.12	620			BR	12.36932	1 in 88
5109	37.91	CO	33.12	620			BR	12.36932	1 in 88
5110	37.91	CO	33.12	620			BR	12.36932	1 in 88
5111	37.91	CO	33.12	620			BR	12.36932	1 in 88
5112	37.91	CO	33.12	620			BR	12.36932	1 in 88
5113	37.91	CO	33.12	620			BR	12.36932	1 in 88
5114	37.91	CO	33.12	620			BR	12.36932	1 in 88
5115	37.91	CO	33.12	620			BR	12.36932	1 in 88
5116	37.91	CO	33.12	620			BR	12.36932	1 in 88
5117	37.91	CO	33.12	620			BR	12.36932	1 in 88
5118	37.91	CO	33.12	620			BR	12.36932	1 in 88
5119	37.91	CO	33.12	620			BR	12.36932	1 in 88
5120	37.91	CO	33.12	620			BR	12.36932	1 in 88
5121	37.91	CO	33.12	620			BR	12.36932	1 in 88
5122	37.91	CO	33.12	620			BR	12.36932	1 in 88
5123	37.91	CO	33.12	620			BR	12.36932	1 in 88
5124	37.91	CO	33.12	620			BR	12.36932	1 in 88
5125	37.91	CO	33.12	620			BR	12.36932	1 in 88
5126	37.91	CO	33.12	620			BR	12.36932	1 in 88
5127	37.91	CO	33.12	620			BR	12.36932	1 in 88
5128	37.91	CO	33.12	620			BR	12.36932	1 in 88
5129	37.91	CO	33.12	620			BR	12.36932	1 in 88
5130	37.91	CO	33.12	620			BR	12.36932	1 in 88
5131	37.91	CO	33.12	620			BR	12.36932	1 in 88
5132	37.91	CO	33.12	620			BR	12.36932	1 in 88
5133	37.91	CO	33.12	620			BR	12.36932	1 in 88
5134	37.91	CO	33.12	620			BR	12.36932	1 in 88
5135	37.91	CO	33.12	620			BR	12.36932	1 in 88
5136	37.91	CO	33.12	620			BR	12.36932	1 in 88
5137	37.91	CO	33.12	620			BR	12.36932	1 in 88
5138	37.91	CO	33.12	620			BR	12.36932	1 in 88
5139	37.91	CO	33.12	620			BR	12.36932	1 in 88
5140	37.91	CO	33.12	620			BR	12.36932	1 in 88
5141	37.91	CO	33.12	620			BR	12.36932	1 in 88
5142	37.91	CO	33.12	620			BR	12.36932	1 in 88
5143	37.91	CO	33.12	620			BR	12.36932	1 in 88
5144	37.91	CO	33.12	620			BR	12.36932	1 in 88
5145	37.91	CO	33.12	620			BR	12.36932	1 in 88
5146									



Rehno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad	Rehno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
112	38.75	SW	0	10	10	0	UN	0.20347	1 in 145	1127	38.75	SW	0	10	10	0	UN	0.20347	1 in 145
3905	41.78	CO	25.94224	150	150	0	VC	20.27092	1 in 145	0009	40.1	FO	37.87	150	150	0	VC	20.27092	1 in 145
2306	41.83	CO	38.11	300	300	0	VC	88.18529	1 in 145	0009	40.1	FO	37.87	150	150	0	VC	20.27092	1 in 145
0303	40.83	CO	36.12	800	800	0	BR	78.79291	1 in 27	0009	39.78	FO	37.85	900	900	0	VC	18.88864	1 in 422
3001	41.14	CO	33.82	900	900	0	BR	95.69221	1 in 407	1011	39.97	SW	37.85	900	900	0	VC	18.88864	1 in 422
3006	41.44	CO	36.82	225	225	0	VC	22.5311	1 in 407	0008	39.86	SW	37.82	600	600	0	VC	25.02389	1 in 407
1006	39.75	CO	35.77	225	225	0	VC	24.7136	1 in 385	0001	40.11	SW	37.53	675	675	0	VC	57.80459	1 in 385
0109	42.59	CO	38.02	300	300	0	VC	27.80495	1 in 385	0001	40.11	SW	37.53	675	675	0	VC	57.80459	1 in 385
2008	40.94	FO	36.44	600	600	0	VC	45.99902	1 in 17	1002	40	SW	37.83	600	600	0	VC	5.31175	1 in 17
4101	42.59	CO	38.02	300	300	0	VC	27.80495	1 in 385	0001	40.11	SW	37.53	675	675	0	VC	57.80459	1 in 385
3004	42.11	CO	34.49	450	450	0	BR	88.86171	1 in 61	1002	40	SW	37.83	600	600	0	VC	5.31175	1 in 17
2503	37.6	CO	32.08	870	870	0	VC	41.14808	1 in 61	0104	39.78	FO	36.83	375	375	0	VC	23.8924	1 in 80
2503	37.6	CO	32.08	870	870	0	VC	41.14808	1 in 61	0020	39.61	SW	37.83	675	675	0	VC	6.99557	1 in 44
2305	41.86	CO	36.4	600	600	0	VC	11.2221	1 in 442	0011	39.96	FO	37.73	150	150	0	VC	30.78201	1 in 154
4307	40.94	FO	36.44	600	600	0	VC	12.4957	1 in 154	0011	39.96	FO	37.73	150	150	0	VC	30.78201	1 in 154
4903	40.94	FO	36.44	600	600	0	VC	36.05551	1 in 61	1008	39.82	SW	37.36	375	375	0	VC	64.07944	1 in 44
3224	41.86	CO	34.49	450	450	0	VC	7.55571	1 in 61	0004	39.82	SW	37.36	300	300	0	VC	32.26187	1 in 44
2308	41.86	CO	34.49	450	450	0	VC	7.55571	1 in 61	1911	39.85	SW	38.08	600	600	0	VC	12.30315	1 in 413
0005	41.22	CO	35.31	150	150	0	UN	8.902472	1 in 121	1917	40.1	SW	38	600	600	0	VC	28.02024	1 in 409
4104	40.97	CO	34.05	1200	1200	0	VC	88.94815	1 in 121	0012	39.81	FO	37.53	150	150	0	VC	30.94466	1 in 111
2105	40.81	CO	34.05	1200	1200	0	VC	24.20334	1 in 121	1014	39.88	SW	38.08	600	600	0	VC	0.284779	1 in 248
2312	40.97	CO	34.05	1200	1200	0	VC	6.430262	1 in 121	0003	40.07	SW	38.08	300	300	0	VC	57.13577	1 in 248
1901	40.97	CO	34.05	1200	1200	0	VC	8.944591	1 in 121	0003	40.07	SW	38.08	300	300	0	VC	57.13577	1 in 248
3909	40.97	CO	34.05	1200	1200	0	VC	33.37664	1 in 121	0021	39.8	SW	37.58	675	675	0	VC	21.61141	1 in 432
3207	41.08	CO	34.25	150	150	0	VC	19.82327	1 in 29	0021	39.8	SW	37.58	675	675	0	VC	21.61141	1 in 432
2311	41.08	CO	34.25	150	150	0	VC	4.212453	1 in 29	0118	40.06	CO	37.44	150	150	0	VC	1.873294	1 in 249
4202	41.08	CO	34.25	150	150	0	VC	27.425902	1 in 229	1004	40.06	CO	37.44	150	150	0	VC	1.873294	1 in 249
0404	38.42	CO	33.83	620	620	0	BR	12.52996	1 in 129	0129	39.8	CO	37.02	375	375	0	VC	3.124056	1 in 35
0404	38.42	CO	33.83	620	620	0	BR	12.52996	1 in 129	1912	39.88	SW	38.05	600	600	0	VC	17.85018	1 in 357
0404	38.42	CO	33.83	620	620	0	BR	12.52996	1 in 129	0105	39.76	CO	37.02	300	300	0	VC	11.38527	1 in 44
0404	38.42	CO	33.83	620	620	0	BR	12.52996	1 in 129	1013	39.89	CO	37.27	300	300	0	VC	13.63391	1 in 155
0102	40.24	CO	37.63	300	300	0	VC	20.24446	1 in 135	1003	40.08	CO	37.43	300	300	0	VC	14.81592	1 in 494
2404	41.82	CO	37.63	300	300	0	VC	3.310044	1 in 135	0008	39.61	FO	38.35	150	150	0	VC	20.5072	1 in 79
0313	41.82	CO	37.63	300	300	0	VC	3.310044	1 in 135	0013	39.75	FO	38.09	150	150	0	VC	25.2135	1 in 158
0313	41.82	CO	37.63	300	300	0	VC	3.310044	1 in 135	0014	39.85	FO	37.83	150	150	0	VC	35.5273	1 in 148
0313	41.82	CO	37.63	300	300	0	VC	3.310044	1 in 135	0015	40	FO	37.89	150	150	0	VC	20.77038	1 in 72
3103	41.08	CO	38.23	520	520	0	BR	61.88406	1 in 64	0020	39.16	CO	36.85	300	300	0	VC	33.97058	1 in 126
1102	40.97	CO	37.54	900	900	0	VC	101.5315	1 in 253	0020	39.16	CO	36.85	300	300	0	VC	33.97058	1 in 126
2101	40.7	CO	37.54	900	900	0	VC	58.82177	1 in 253	0103	39.86	CO	37.86	225	225	0	VC	4.27417	1 in 31
2104	40.83	CO	37.54	900	900	0	VC	58.82177	1 in 253	0103	39.86	CO	37.86	225	225	0	VC	4.27417	1 in 31
4213	41.94	CO	37.54	900	900	0	VC	58.82177	1 in 253	0123	39.9	CO	37.52	225	225	0	VC	38.58449	1 in 117
3005	41.94	CO	37.54	900	900	0	VC	58.82177	1 in 253	0123	39.9	CO	37.52	225	225	0	VC	38.58449	1 in 117
2303	41.61	CO	37.85	990	990	0	BR	14.4222	1 in 64	0123	39.9	CO	37.52	225	225	0	VC	38.58449	1 in 117
4504	40.53	CO	37.5	610	610	0	BR	43.89221	1 in 64	0130	39.95	CO	37.06	150	150	0	VC	16.85166	1 in 80
0309	40.45	CO	36.08	150	150	0	BR	29.89164	1 in 64	0107	40.07	CO	37.58	150	150	0	VC	14.84096	1 in 80
0309	40.45	CO	36.08	150	150	0	BR	29.89164	1 in 64	0107	40.07	CO	37.58	150	150	0	VC	14.84096	1 in 80
0309	40.45	CO	36.08	150	150	0	BR	29.89164	1 in 64	0107	40.07	CO	37.58	150	150	0	VC	14.84096	1 in 80
2315	40.06	CO	31.55	800	800	0	BR	60.24895	1 in 31	0106	39.79	CO	37.78	150	150	0	VC	42.63976	1 in 82
2501	40.06	CO	31.55	800	800	0	BR	60.24895	1 in 31	0103	39.73	CO	36.77	450	450	0	VC	27.60531	1 in 82
0006	40.06	CO	31.55	800	800	0	BR	60.24895	1 in 31	0103	39.73	CO	36.77	450	450	0	VC	27.60531	1 in 82
0411	38.75	CO	33.5	750	750	0	BR	15.48789	1 in 89	0102	39.5	CO	36.26	600	600	0	VC	39.40512	1 in 82
3101	41	CO	36.81	375	375	0	BR	29.42788	1 in 89	0131	39.72	CO	36.55	450	450	0	VC	5.340313	1 in 464
4804	41.05	CO	36.81	375	375	0	BR	29.42788	1 in 89	0131	39.72	CO	36.55	450	450	0	VC	5.340313	1 in 464
1403	40.97	CO	37.15	600	600	0	BR	36.96537	1 in 53	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
2206	41.81	CO	37.15	600	600	0	BR	36.96537	1 in 53	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
2434	41.81	CO	37.15	600	600	0	BR	36.96537	1 in 53	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
2434	41.81	CO	37.15	600	600	0	BR	36.96537	1 in 53	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
0306	40.55	CO	27.38	1500	1500	0	BR	38.01316	1 in 253	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
0306	40.55	CO	27.38	1500	1500	0	BR	38.01316	1 in 253	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
2414	41.68	CO	37.15	600	600	0	BR	4.281258	1 in 253	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
2414	41.68	CO	37.15	600	600	0	BR	4.281258	1 in 253	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
2504	37.54	CO	29.21	900	900	0	BR	30	1 in 83	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
2504	37.54	CO	29.21	900	900	0	BR	30	1 in 83	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
3910	41.03	CO	37.15	600	600	0	BR	18.43909	1 in 83	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
3107	41.03	CO	37.15	600	600	0	BR	18.43909	1 in 83	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
3217	41.03	CO	37.15	600	600	0	BR	18.43909	1 in 83	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
2205	41.84	CO	38.19	300	300	0	VC	6.708204	1 in 0	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
5504	41.84	CO	38.19	300	300	0	VC	6.708204	1 in 0	0123	39.9	CO	37.52	225	225	0	VC	18.11387	1 in 82
1915	39.92	SW	37.57	400	400	0	VC	117.516	1 in 250	0123	39.9	CO	37.52	225	225				



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