

Results - Single Stage WAC

Project: 23-01-21 Broadwater Lake, Moorhall Road, Harefield, UB9 6PE

Chemtest Job No: 23-06239					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1595878					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: TP12							
Top Depth(m): 0.80							
Bottom Depth(m):							
Sampling Date: 17-Feb-2023							
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	2.1	3	5	6
Loss On Ignition	2610	M	%	4.3	--	--	10
Total BTEX	2760	M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	< 10	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	< 2.0	100	--	--
pH	2010	M		9.0	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0070	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0055	0.055	0.5	2	25
Barium	1455	U	0.010	0.097	20	100	300
Cadmium	1455	U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455	U	0.0054	0.054	0.5	10	70
Copper	1455	U	0.023	0.23	2	50	100
Mercury	1455	U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455	U	0.0050	0.050	0.5	10	30
Nickel	1455	U	0.0014	0.015	0.4	10	40
Lead	1455	U	0.0032	0.032	0.5	10	50
Antimony	1455	U	0.0012	0.012	0.06	0.7	5
Selenium	1455	U	0.0018	0.018	0.1	0.5	7
Zinc	1455	U	0.005	0.053	4	50	200
Chloride	1220	U	1.9	19	800	15000	25000
Fluoride	1220	U	0.67	6.7	10	150	500
Sulphate	1220	U	12	120	1000	20000	50000
Total Dissolved Solids	1020	N	100	1000	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	18	180	500	800	1000

Solid Information

Dry mass of test portion/kg	0.090
Moisture (%)	13

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 23-01-21 Broadwater Lake, Moorhall Road, Harefield, UB9 6PE

Chemtest Job No: 23-06239					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1595885					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: TP4							
Top Depth(m): 0.75							
Bottom Depth(m):							
Sampling Date: 15-Feb-2023							
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	0.48	3	5	6
Loss On Ignition	2610	M	%	1.6	--	--	10
Total BTEX	2760	M	mg/kg	< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	15000	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	< 2.0	100	--	--
pH	2010	M		8.5	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0050	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0056	0.056	0.5	2	25
Barium	1455	U	0.044	0.44	20	100	300
Cadmium	1455	U	< 0.00011	< 0.0011	0.04	1	5
Chromium	1455	U	< 0.0005	< 0.0050	0.5	10	70
Copper	1455	U	0.0022	0.022	2	50	100
Mercury	1455	U	< 0.00005	< 0.00050	0.01	0.2	2
Molybdenum	1455	U	0.0060	0.060	0.5	10	30
Nickel	1455	U	0.0023	0.023	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0050	0.5	10	50
Antimony	1455	U	0.0023	0.023	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0050	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.025	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	1.1	11	10	150	500
Sulphate	1220	U	18	180	1000	20000	50000
Total Dissolved Solids	1020	N	190	1900	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	19	190	500	800	1000

Solid Information

Dry mass of test portion/kg	0.090
Moisture (%)	12

Waste Acceptance Criteria

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Test Methods

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2015	Acid Neutralisation Capacity	Acid Reserve	Titration
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.

Test Methods

SOP	Title	Parameters included	Method summary
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS
2810	Polychlorinated Biphenyls (PCB) as Aroclors in Soils by GC-ECD	Polychlorinated Biphenyls expressed as an Aroclor (normally reported as *Aroclor 1242)	Extraction of a soil sample, as received, into hexane/acetone (50:50) followed by gas chromatography (GC) using mass spectrometric (MS) detection for identification of polychlorinated biphenyls and electron capture detection (ECD) for quantitation if present.
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



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Final Report

Report No.:	23-07407-1		
Initial Date of Issue:	09-Mar-2023		
Client	Geo Integrity		
Client Address:	Units 7 Burcote Wood Farm Business Park Wood Burcote Towcester NN12 8TA		
Contact(s):	Lee Ashworth		
Project	23-01-21 Broadwater Lake, Moorhall Road, Harefield		
Quotation No.:	Q22-26343	Date Received:	03-Mar-2023
Order No.:		Date Instructed:	03-Mar-2023
No. of Samples:	3		
Turnaround (Wkdays):	5	Results Due:	09-Mar-2023
Date Approved:	09-Mar-2023		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

Results - Water

Project: 23-01-21 Broadwater Lake, Moorhall Road, Harefield

Client: Geo Integrity	Chemtest Job No.:				23-07407	23-07407	23-07407
Quotation No.: Q22-26343	Chemtest Sample ID.:				1601258	1601259	1601260
	Sample Location:				BH3	BH6	BH9
	Sample Type:				WATER	WATER	WATER
	Top Depth (m):				2.20	0.94	2.36
	Date Sampled:				01-Mar-2023	01-Mar-2023	01-Mar-2023
Determinand	Accred.	SOP	Units	LOD			
pH	U	1010		N/A	8.3	8.1	7.9
Chemical Oxygen Demand	U	1100	mg O2/l	10	75	12	28
Calcium (Dissolved)	U	1455	mg/l	2.00	85	78	170
Potassium (Dissolved)	U	1455	mg/l	0.50	7.1	4.8	5.5
Magnesium (Dissolved)	U	1455	mg/l	0.20	2.8	3.9	8.8
Sodium (Dissolved)	U	1455	mg/l	1.50	30	41	48
Total Hardness as CaCO3	U	1270	mg/l	15	230	210	470
Arsenic (Dissolved)	U	1455	µg/l	0.20	7.7	3.8	3.3
Boron (Dissolved)	U	1455	µg/l	10.0	50	63	120
Barium (Dissolved)	U	1455	µg/l	5.00	24	32	110
Cadmium (Dissolved)	U	1455	µg/l	0.11	< 0.11	< 0.11	< 0.11
Chromium (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	< 0.50
Copper (Dissolved)	U	1455	µg/l	0.50	1.8	< 0.50	< 0.50
Iron (Dissolved)	N	1455	µg/l	5.0	69	< 5.0	< 5.0
Mercury (Dissolved)	U	1455	µg/l	0.05	< 0.05	< 0.05	< 0.05
Manganese (Dissolved)	U	1455	µg/l	0.50	150	200	760
Nickel (Dissolved)	U	1455	µg/l	0.50	4.7	3.2	4.8
Lead (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	< 0.50
Selenium (Dissolved)	U	1455	µg/l	0.50	0.59	< 0.50	< 0.50
Zinc (Dissolved)	U	1455	µg/l	2.5	< 2.5	2.5	5.8
Dissolved Organic Carbon	U	1610	mg/l	2.0	22	7.0	12
Aliphatic TPH >C5-C6	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C6-C8	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C8-C10	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C10-C12	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C12-C16	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C16-C21	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C21-C35	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aliphatic TPH >C35-C44	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Total Aliphatic Hydrocarbons	N	1675	µg/l	5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C7-C8	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C8-C10	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C10-C12	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C12-C16	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C16-C21	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C21-C35	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Aromatic TPH >C35-C44	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10
Total Aromatic Hydrocarbons	N	1675	µg/l	5.0	< 5.0	< 5.0	< 5.0

Results - Water

Project: 23-01-21 Broadwater Lake, Moorhall Road, Harefield

Client: Geo Integrity	Chemtest Job No.:				23-07407	23-07407	23-07407
Quotation No.: Q22-26343	Chemtest Sample ID.:				1601258	1601259	1601260
	Sample Location:				BH3	BH6	BH9
	Sample Type:				WATER	WATER	WATER
	Top Depth (m):				2.20	0.94	2.36
	Date Sampled:				01-Mar-2023	01-Mar-2023	01-Mar-2023
Determinand	Accred.	SOP	Units	LOD			
Total Petroleum Hydrocarbons	N	1675	µg/l	10	< 10	< 10	< 10
Naphthalene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Chrysene	N	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	1700	µg/l	0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	1700	µg/l	2.0	< 2.0	< 2.0	< 2.0

Test Methods

SOP	Title	Parameters included	Method summary
1010	pH Value of Waters	pH	pH Meter
1100	Chemical Oxygen Demand	Chemical Oxygen demand (COD)	Dichromate oxidation of organic matter in sample followed by colorimetric determination of residual Cr[VI].
1270	Total Hardness of Waters	Total hardness	Calculation applied to calcium and magnesium results, expressed as mg l-1 CaCO3 equivalent.
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)

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Sample Retention and Disposal

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All water samples will be retained for 14 days from the date of receipt

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customerservices@chemtest.com



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Final Report

Report No.:	23-07701-1		
Initial Date of Issue:	13-Mar-2023		
Client	Geo Integrity		
Client Address:	Units 7 Burcote Wood Farm Business Park Wood Burcote Towcester NN12 8TA		
Contact(s):	Lee Ashworth		
Project	23-01-21 Broadwater Lake, Moorhall Road, Harefield		
Quotation No.:	Q22-27618	Date Received:	07-Mar-2023
Order No.:		Date Instructed:	07-Mar-2023
No. of Samples:	11		
Turnaround (Wkdays):	5	Results Due:	13-Mar-2023
Date Approved:	13-Mar-2023		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

Results - Soil

Project: 23-01-21 Broadwater Lake, Moorhall Road, Harefield

Client: Geo Integrity	Chemtest Job No.:				23-07701	23-07701	23-07701	23-07701	23-07701	23-07701	23-07701	23-07701	23-07701
Quotation No.: Q22-27618	Chemtest Sample ID.:				1602932	1602933	1602934	1602935	1602936	1602937	1602938	1602939	1602940
	Sample Location:				BH1	BH1	BH3	BH6	BH1	BH3	BH7	BH9	BH6
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.10	7.00	1.20	0.30	1.20	7.00	3.00	0.40	5.00
	Bottom Depth (m):				0.20	7.45	1.65	0.40	1.65	7.50	3.45	0.50	5.45
	Date Sampled:				16-Feb-2023	16-Feb-2023	20-Feb-2023	21-Feb-2023	26-Feb-2023	20-Feb-2023	21-Feb-2023	22-Feb-2023	21-Feb-2023
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	4.5	23	8.3	14	41	16	37	15	0.98
pH	U	2010		4.0	8.8	9.4	8.9	9.8	8.4	9.4	8.5	9.0	8.8
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.053	< 0.010	0.041	0.52	< 0.010	< 0.010	0.019	< 0.010	< 0.010
Total Sulphur	U	2175	%	0.010					0.18		0.10		
Sulphate (Acid Soluble)	U	2430	%	0.010					0.044		0.097		

Results - Soil

Project: 23-01-21 Broadwater Lake, Moorhall Road, Harefield

Client: Geo Integrity	Chemtest Job No.:				23-07701	23-07701
Quotation No.: Q22-27618	Chemtest Sample ID.:				1602941	1602942
	Sample Location:				BH7	BH8
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.20	1.20
	Bottom Depth (m):				0.30	1.65
	Date Sampled:				23-Feb-2023	24-Feb-2023
Determinand	Accred.	SOP	Units	LOD		
Moisture	N	2030	%	0.020	11	5.5
pH	U	2010		4.0	8.9	9.2
Sulphate (2:1 Water Soluble) as SO ₄	U	2120	g/l	0.010	0.086	< 0.010
Total Sulphur	U	2175	%	0.010		
Sulphate (Acid Soluble)	U	2430	%	0.010		

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com

[illegible]

Benzo[a]anthracene	1.2	0.93	2.4	4.70			
Chrysene	1.50	1.10	4.0	6.50			
Benzo[b]fluoranthene	1.7	1.20	1.7	6.10			
Benzo[k]fluoranthene	0.62	0.58	0.6	2.90			
Indeno(1,2,3-c,d)Pyrene	1.10	1.10	1.1	3.80			
Dibenz(a,h)Anthracene	0.25	0.44	0.73	1.20			
Benzo[g,h,i]perylene	1.60	1.20	1.8	4.50			
Benzo[a]pyrene	1.50	0.98	1.5	4.70			

PAH/BaP ratio							Mean
0.8	0.94898	1.6	1				1.09
1	1.122449	2.666667	1.382979				1.54
1.133333	1.22449	1.133333	1.297872				1.20
0.413333	0.591837	0.386667	0.617021				0.50
0.733333	1.122449	0.733333	0.808511				0.85
0.166667	0.44898	0.486667	0.255319				0.34
1.066667	1.22449	1.2	0.957447				1.11

Table 2.5: Profile of the genotoxic PAHs relative to BaP in the Culp study with order of magnitude upper and lower limits.

PAH	Mean ratio to BaP	Lower limit	Upper limit
Benz[a]anthracene	1.24	0.12	12.43
Chrysene	1.16	0.12	11.61
Benzo[b]fluoranthene	1.08	0.11	10.85
Benzo[k]fluoranthene	0.37	0.04	3.72
Dibenz[ah]anthracene	0.14	0.01	1.38
Indeno[123-cd]pyrene	0.73	0.07	7.27
Benzo[ghi]perylene	0.82	0.08	8.22

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)



TJ6EA-T17ET-I2JWB

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

Job name

Broadwater Lake, Harefield

Description/Comments

Project

23-01-21

Site

Broadwater Lake, Moorhall Road, Harefield , UB9 6PE

Classified by

Name: **Murray Bateman**
 Date: **03 Apr 2023 10:55 GMT**
 Telephone: **01280 816409**

Company: **Geo-Integrity Limited**
4 Church Street
Maids Moreton
MK18 1QE

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:

-

Course

Hazardous Waste Classification

Date

-

Purpose of classification

7 - Disposal of Waste

Address of the waste

Broadwater Lake, Moorhall Road, Harefield , UB9 6PE

Post Code UB96PE

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 an area of land historically used for gravel processing with the construction of an outdoor activity centre

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

Waste created during the excavation of soils for foundations, roads etc.

Description of the waste

Made Ground comprising generally granular soils with gravels of brick, flint and concrete, Alluvial soils and reworked natural granular soils.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP1	0.50	Non Hazardous		3
2	TP10	0.80	Non Hazardous		5
3	TP12	0.80	Non Hazardous		7
4	TP6	0.50	Non Hazardous		9
5	TP9	1.40	Non Hazardous		11
6	TP13	1.30	Non Hazardous		13
7	TP14	0.60	Non Hazardous		15
8	TP5	0.50	Non Hazardous		17
9	TP3	1.20	Non Hazardous		19
10	TP4	0.75	Hazardous	HP 3(i), HP 7, HP 11	21
11	TP4[2]	2.00	Hazardous	HP 3(i), HP 7, HP 11	24
12	CBR5	0.75	Hazardous	HP 3(i), HP 7, HP 11	27
13	TP2	0.50	Non Hazardous		30

Related documents

#	Name	Description
1	WM3 v1.2 2021 compliant	waste stream template used to create this Job

Report

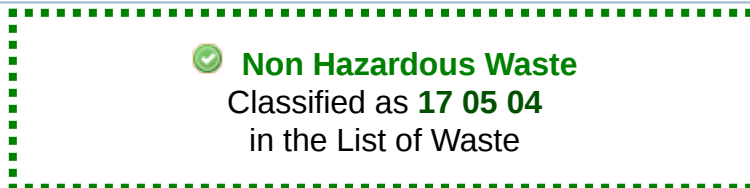
Created by: Murray Bateman

Created date: 03 Apr 2023 10:55 GMT

Appendices

	Page
Appendix A: Classifier defined and non GB MCL determinands	32
Appendix B: Rationale for selection of metal species	33
Appendix C: Version	33

Classification of sample: TP1



Sample details

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

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				17	mg/kg	1.32	22.446	mg/kg	0.00224 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium sulfate }				0.5	mg/kg	1.855	0.927	mg/kg	0.0000927 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				38	mg/kg	1.462	55.539	mg/kg	0.00555 %	✓	
		215-160-9	1308-38-9									
4	copper { copper sulphate pentahydrate }				40	mg/kg	3.929	157.162	mg/kg	0.0157 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
5	mercury { mercury dichloride }				0.26	mg/kg	1.353	0.352	mg/kg	0.0000352 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
6	nickel { nickel chromate }				36	mg/kg	2.976	107.146	mg/kg	0.0107 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	lead { lead chromate }			1	76	mg/kg	1.56	118.546	mg/kg	0.0076 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				4.4	mg/kg	1.405	6.182	mg/kg	0.000618 %	✓	
	034-002-00-8											
9	zinc { zinc chromate }				72	mg/kg	2.774	199.739	mg/kg	0.02 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
11	TPH (C6 to C40) petroleum group				220	mg/kg		220	mg/kg	0.022 %	✓	
			TPH									
12	naphthalene				0.5	mg/kg		0.5	mg/kg	0.00005 %	✓	
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.21	mg/kg		0.21	mg/kg	0.000021 %	✓	
		205-917-1	208-96-8									
14	acenaphthene				0.15	mg/kg		0.15	mg/kg	0.000015 %	✓	
		201-469-6	83-32-9									
15	fluorene				0.17	mg/kg		0.17	mg/kg	0.000017 %	✓	
		201-695-5	86-73-7									
16	phenanthrene				0.87	mg/kg		0.87	mg/kg	0.000087 %	✓	
		201-581-5	85-01-8									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		0.34 mg/kg		0.34 mg/kg	0.000034 %	✓	
18	fluoranthene	205-912-4	206-44-0		2.5 mg/kg		2.5 mg/kg	0.00025 %	✓	
19	pyrene	204-927-3	129-00-0		2.6 mg/kg		2.6 mg/kg	0.00026 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.5 mg/kg		1.5 mg/kg	0.00015 %	✓	
21	chrysene	601-048-00-0	205-923-4		4.4 mg/kg		4.4 mg/kg	0.00044 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.8 mg/kg		1.8 mg/kg	0.00018 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.76 mg/kg		0.76 mg/kg	0.000076 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.5 mg/kg		1.5 mg/kg	0.00015 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.3 mg/kg		1.3 mg/kg	0.00013 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.18 mg/kg		0.18 mg/kg	0.000018 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		2.5 mg/kg		2.5 mg/kg	0.00025 %	✓	
28	PAHs (total)				21 mg/kg		21 mg/kg	0.0021 %	✓	
29	benzene	601-020-00-8	200-753-7		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0893 %		

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 Long Chain Hydrocarbons - no free phase - non flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.022%)

Classification of sample: TP10

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

Sample details

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

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				10	mg/kg	1.32	13.203	mg/kg	0.00132 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium sulfate }				0.19	mg/kg	1.855	0.352	mg/kg	0.0000352 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	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									
4	copper { copper sulphate pentahydrate }				27	mg/kg	3.929	106.084	mg/kg	0.0106 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
5	mercury { mercury dichloride }				0.09	mg/kg	1.353	0.122	mg/kg	0.0000122 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
6	nickel { nickel chromate }				19	mg/kg	2.976	56.549	mg/kg	0.00565 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	lead { lead chromate }			1	50	mg/kg	1.56	77.991	mg/kg	0.005 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.66	mg/kg	1.405	0.927	mg/kg	0.0000927 %	✓	
	034-002-00-8											
9	zinc { zinc chromate }				67	mg/kg	2.774	185.868	mg/kg	0.0186 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	naphthalene				0.9	mg/kg		0.9	mg/kg	0.00009 %	✓	
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.35	mg/kg		0.35	mg/kg	0.000035 %	✓	
		205-917-1	208-96-8									
14	acenaphthene				0.4	mg/kg		0.4	mg/kg	0.00004 %	✓	
		201-469-6	83-32-9									
15	fluorene				0.26	mg/kg		0.26	mg/kg	0.000026 %	✓	
		201-695-5	86-73-7									
16	phenanthrene				1.4	mg/kg		1.4	mg/kg	0.00014 %	✓	
		201-581-5	85-01-8									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		0.36 mg/kg		0.36 mg/kg	0.000036 %	✓	
18	fluoranthene	205-912-4	206-44-0		1.4 mg/kg		1.4 mg/kg	0.00014 %	✓	
19	pyrene	204-927-3	129-00-0		1.6 mg/kg		1.6 mg/kg	0.00016 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.88 mg/kg		0.88 mg/kg	0.000088 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	1.1 mg/kg		1.1 mg/kg	0.00011 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.93 mg/kg		0.93 mg/kg	0.000093 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.56 mg/kg		0.56 mg/kg	0.000056 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.83 mg/kg		0.83 mg/kg	0.000083 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.6 mg/kg		0.6 mg/kg	0.00006 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.11 mg/kg		0.11 mg/kg	0.000011 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		0.95 mg/kg		0.95 mg/kg	0.000095 %	✓	
28	PAHs (total)				13 mg/kg		13 mg/kg	0.0013 %	✓	
29	benzene	601-020-00-8	200-753-7	71-43-2	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9	108-88-3	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	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]	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0489 %		

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: TP12

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

Sample details

Sample name:	LoW Code:
TP12	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)
0.80 m	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.7	mg/kg	1.32	6.206	mg/kg	0.000621 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium sulfate }				0.14	mg/kg	1.855	0.26	mg/kg	0.000026 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9.7	mg/kg	1.462	14.177	mg/kg	0.00142 %	✓	
		215-160-9	1308-38-9									
4	copper { copper sulphate pentahydrate }				12	mg/kg	3.929	47.149	mg/kg	0.00471 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
5	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
6	nickel { nickel chromate }				10	mg/kg	2.976	29.763	mg/kg	0.00298 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	lead { lead chromate }			1	29	mg/kg	1.56	45.235	mg/kg	0.0029 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.39	mg/kg	1.405	0.548	mg/kg	0.0000548 %	✓	
	034-002-00-8											
9	zinc { zinc chromate }				31	mg/kg	2.774	85.999	mg/kg	0.0086 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
16	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	pyrene	204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4	218-01-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	PAHs (total)				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
29	benzene	601-020-00-8	200-753-7	71-43-2	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9	108-88-3	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	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]	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0232 %		

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: TP6

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

Sample details

Sample name:	LoW Code:
TP6	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)
0.50 m	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.5	mg/kg	1.32	5.941	mg/kg	0.000594 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium sulfate }				<0.1	mg/kg	1.855	<0.185	mg/kg	<0.0000185 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
3	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									
4	copper { copper sulphate pentahydrate }				4.8	mg/kg	3.929	18.859	mg/kg	0.00189 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
5	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
6	nickel { nickel chromate }				7.8	mg/kg	2.976	23.215	mg/kg	0.00232 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	lead { lead chromate }			1	7.6	mg/kg	1.56	11.855	mg/kg	0.00076 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %	✓	
	034-002-00-8											
9	zinc { zinc chromate }				22	mg/kg	2.774	61.031	mg/kg	0.0061 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
16	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		0.52 mg/kg		0.52 mg/kg	0.000052 %	✓	
19	pyrene	204-927-3	129-00-0		0.65 mg/kg		0.65 mg/kg	0.000065 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	PAHs (total)				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
29	benzene	601-020-00-8	200-753-7		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0153 %		

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: TP9

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

Sample details

Sample name:	LoW Code:
TP9	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)
1.40 m	

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				13 mg/kg	1.32	17.164 mg/kg	0.00172 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		cadmium { cadmium sulfate }				0.21 mg/kg	1.855	0.389 mg/kg	0.0000389 %	✓		
		048-009-00-9	233-331-6	10124-36-4								
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				25 mg/kg	1.462	36.539 mg/kg	0.00365 %	✓		
			215-160-9	1308-38-9								
4		copper { copper sulphate pentahydrate }				20 mg/kg	3.929	78.581 mg/kg	0.00786 %	✓		
		029-023-00-4	231-847-6	7758-99-8								
5		mercury { mercury dichloride }				0.35 mg/kg	1.353	0.474 mg/kg	0.0000474 %	✓		
		080-010-00-X	231-299-8	7487-94-7								
6		nickel { nickel chromate }			1	21 mg/kg	2.976	62.502 mg/kg	0.00625 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
7		lead { lead chromate }			1	120 mg/kg	1.56	187.178 mg/kg	0.012 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
8		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1.1 mg/kg	1.405	1.546 mg/kg	0.000155 %	✓		
		034-002-00-8										
9		zinc { zinc chromate }				95 mg/kg	2.774	263.544 mg/kg	0.0264 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
10		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD	
		024-001-00-0	215-607-8	1333-82-0								
11		TPH (C6 to C40) petroleum group				70 mg/kg		70 mg/kg	0.007 %	✓		
				TPH								
12		naphthalene				1.1 mg/kg		1.1 mg/kg	0.00011 %	✓		
		601-052-00-2	202-049-5	91-20-3								
13		acenaphthylene				0.31 mg/kg		0.31 mg/kg	0.000031 %	✓		
			205-917-1	208-96-8								
14		acenaphthene				0.19 mg/kg		0.19 mg/kg	0.000019 %	✓		
			201-469-6	83-32-9								
15		fluorene				0.16 mg/kg		0.16 mg/kg	0.000016 %	✓		
			201-695-5	86-73-7								
16		phenanthrene				0.79 mg/kg		0.79 mg/kg	0.000079 %	✓		
			201-581-5	85-01-8								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		0.27 mg/kg		0.27 mg/kg	0.000027 %	✓	
18	fluoranthene	205-912-4	206-44-0		1.5 mg/kg		1.5 mg/kg	0.00015 %	✓	
19	pyrene	204-927-3	129-00-0		1.6 mg/kg		1.6 mg/kg	0.00016 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.86 mg/kg		0.86 mg/kg	0.000086 %	✓	
21	chrysene	601-048-00-0	205-923-4		2.7 mg/kg		2.7 mg/kg	0.00027 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.59 mg/kg		0.59 mg/kg	0.000059 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.84 mg/kg		0.84 mg/kg	0.000084 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.67 mg/kg		0.67 mg/kg	0.000067 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.16 mg/kg		0.16 mg/kg	0.000016 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		1.3 mg/kg		1.3 mg/kg	0.00013 %	✓	
28	PAHs (total)				14 mg/kg		14 mg/kg	0.0014 %	✓	
29	benzene	601-020-00-8	200-753-7		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0684 %		

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 Long Chain Hydrocarbons - no free phase - non flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.007%)

Classification of sample: TP13

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

Sample details

Sample name:	LoW Code:
TP13	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)
1.30 m	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				14	mg/kg	1.32	18.485	mg/kg	0.00185 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium sulfate }				0.1	mg/kg	1.855	0.185	mg/kg	0.0000185 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	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									
4	copper { copper sulphate pentahydrate }				4.7	mg/kg	3.929	18.467	mg/kg	0.00185 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
5	mercury { mercury dichloride }				<0.05	mg/kg	1.353	<0.0677	mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
6	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	lead { lead chromate }			1	9.8	mg/kg	1.56	15.286	mg/kg	0.00098 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.43	mg/kg	1.405	0.604	mg/kg	0.0000604 %	✓	
	034-002-00-8											
9	zinc { zinc chromate }				13	mg/kg	2.774	36.064	mg/kg	0.00361 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
11	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
12	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
14	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
16	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		0.12 mg/kg		0.12 mg/kg	0.000012 %	✓	
19	pyrene	204-927-3	129-00-0		0.29 mg/kg		0.29 mg/kg	0.000029 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	PAHs (total)				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
29	benzene	601-020-00-8	200-753-7		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0164 %		

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: TP14

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

Sample details

Sample name:	LoW Code:
TP14	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.60 m	Entry:

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				15 mg/kg	1.32	19.805	mg/kg	0.00198 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium sulfate }				0.44 mg/kg	1.855	0.816	mg/kg	0.0000816 %	✓	
	048-009-00-9	233-331-6	10124-36-4								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				30 mg/kg	1.462	43.847	mg/kg	0.00438 %	✓	
		215-160-9	1308-38-9								
4	copper { copper sulphate pentahydrate }				27 mg/kg	3.929	106.084	mg/kg	0.0106 %	✓	
	029-023-00-4	231-847-6	7758-99-8								
5	mercury { mercury dichloride }				0.08 mg/kg	1.353	0.108	mg/kg	0.0000108 %	✓	
	080-010-00-X	231-299-8	7487-94-7								
6	nickel { nickel chromate }				21 mg/kg	2.976	62.502	mg/kg	0.00625 %	✓	
	028-035-00-7	238-766-5	14721-18-7								
7	lead { lead chromate }			1	57 mg/kg	1.56	88.909	mg/kg	0.0057 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.76 mg/kg	1.405	1.068	mg/kg	0.000107 %	✓	
	034-002-00-8										
9	zinc { zinc chromate }				91 mg/kg	2.774	252.447	mg/kg	0.0252 %	✓	
	024-007-00-3	236-878-9	13530-65-9								
10	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH								
12	naphthalene				0.65 mg/kg		0.65	mg/kg	0.000065 %	✓	
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.45 mg/kg		0.45	mg/kg	0.000045 %	✓	
		205-917-1	208-96-8								
14	acenaphthene				0.24 mg/kg		0.24	mg/kg	0.000024 %	✓	
		201-469-6	83-32-9								
15	fluorene				0.4 mg/kg		0.4	mg/kg	0.00004 %	✓	
		201-695-5	86-73-7								
16	phenanthrene				0.78 mg/kg		0.78	mg/kg	0.000078 %	✓	
		201-581-5	85-01-8								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		0.44 mg/kg		0.44 mg/kg	0.000044 %	✓	
18	fluoranthene	205-912-4	206-44-0		1.5 mg/kg		1.5 mg/kg	0.00015 %	✓	
19	pyrene	204-927-3	129-00-0		2 mg/kg		2 mg/kg	0.0002 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
21	chrysene	601-048-00-0	205-923-4		1.5 mg/kg		1.5 mg/kg	0.00015 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.7 mg/kg		1.7 mg/kg	0.00017 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.62 mg/kg		0.62 mg/kg	0.000062 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		1.5 mg/kg		1.5 mg/kg	0.00015 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.1 mg/kg		1.1 mg/kg	0.00011 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.25 mg/kg		0.25 mg/kg	0.000025 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		1.6 mg/kg		1.6 mg/kg	0.00016 %	✓	
28	PAHs (total)				16 mg/kg		16 mg/kg	0.0016 %	✓	
29	benzene	601-020-00-8	200-753-7		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0591 %		

Key

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

Classification of sample: TP5

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

Sample details

Sample name:	LoW Code:
TP5	Chapter: 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)
0.50 m	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				14	mg/kg	1.32	18.485	mg/kg	0.00185 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium sulfate }				0.38	mg/kg	1.855	0.705	mg/kg	0.0000705 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				28	mg/kg	1.462	40.924	mg/kg	0.00409 %	✓	
		215-160-9	1308-38-9									
4	copper { copper sulphate pentahydrate }				23	mg/kg	3.929	90.368	mg/kg	0.00904 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
5	mercury { mercury dichloride }				0.08	mg/kg	1.353	0.108	mg/kg	0.0000108 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
6	nickel { nickel chromate }				21	mg/kg	2.976	62.502	mg/kg	0.00625 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	lead { lead chromate }			1	58	mg/kg	1.56	90.469	mg/kg	0.0058 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.77	mg/kg	1.405	1.082	mg/kg	0.000108 %	✓	
	034-002-00-8											
9	zinc { zinc chromate }				85	mg/kg	2.774	235.802	mg/kg	0.0236 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
11	TPH (C6 to C40) petroleum group				180	mg/kg		180	mg/kg	0.018 %	✓	
			TPH									
12	naphthalene				0.62	mg/kg		0.62	mg/kg	0.000062 %	✓	
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.41	mg/kg		0.41	mg/kg	0.000041 %	✓	
		205-917-1	208-96-8									
14	acenaphthene				0.21	mg/kg		0.21	mg/kg	0.000021 %	✓	
		201-469-6	83-32-9									
15	fluorene				0.18	mg/kg		0.18	mg/kg	0.000018 %	✓	
		201-695-5	86-73-7									
16	phenanthrene				0.68	mg/kg		0.68	mg/kg	0.000068 %	✓	
		201-581-5	85-01-8									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		0.75 mg/kg		0.75 mg/kg	0.000075 %	✓	
18	fluoranthene	205-912-4	206-44-0		1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
19	pyrene	204-927-3	129-00-0		1.7 mg/kg		1.7 mg/kg	0.00017 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.93 mg/kg		0.93 mg/kg	0.000093 %	✓	
21	chrysene	601-048-00-0	205-923-4		1.1 mg/kg		1.1 mg/kg	0.00011 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.58 mg/kg		0.58 mg/kg	0.000058 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.98 mg/kg		0.98 mg/kg	0.000098 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.1 mg/kg		1.1 mg/kg	0.00011 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.44 mg/kg		0.44 mg/kg	0.000044 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
28	PAHs (total)				13 mg/kg		13 mg/kg	0.0013 %	✓	
29	benzene	601-020-00-8	200-753-7		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0719 %		

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 Long Chain Hydrocarbons - no free phase - non flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.018%)

Classification of sample: TP3

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

Sample details

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

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				12	mg/kg	1.32	15.844	mg/kg	0.00158 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium sulfate }				0.24	mg/kg	1.855	0.445	mg/kg	0.0000445 %	✓	
	048-009-00-9	233-331-6	10124-36-4									
3	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									
4	copper { copper sulphate pentahydrate }				27	mg/kg	3.929	106.084	mg/kg	0.0106 %	✓	
	029-023-00-4	231-847-6	7758-99-8									
5	mercury { mercury dichloride }				0.09	mg/kg	1.353	0.122	mg/kg	0.0000122 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
6	nickel { nickel chromate }				20	mg/kg	2.976	59.525	mg/kg	0.00595 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
7	lead { lead chromate }			1	51	mg/kg	1.56	79.551	mg/kg	0.0051 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.7	mg/kg	1.405	0.983	mg/kg	0.0000983 %	✓	
	034-002-00-8											
9	zinc { zinc chromate }				67	mg/kg	2.774	185.868	mg/kg	0.0186 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
11	TPH (C6 to C40) petroleum group				65	mg/kg		65	mg/kg	0.0065 %	✓	
			TPH									
12	naphthalene				0.72	mg/kg		0.72	mg/kg	0.000072 %	✓	
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.2	mg/kg		0.2	mg/kg	0.00002 %	✓	
		205-917-1	208-96-8									
14	acenaphthene				0.31	mg/kg		0.31	mg/kg	0.000031 %	✓	
		201-469-6	83-32-9									
15	fluorene				0.23	mg/kg		0.23	mg/kg	0.000023 %	✓	
		201-695-5	86-73-7									
16	phenanthrene				1.2	mg/kg		1.2	mg/kg	0.00012 %	✓	
		201-581-5	85-01-8									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		0.39 mg/kg		0.39 mg/kg	0.000039 %	✓	
18	fluoranthene	205-912-4	206-44-0		1.2 mg/kg		1.2 mg/kg	0.00012 %	✓	
19	pyrene	204-927-3	129-00-0		1.5 mg/kg		1.5 mg/kg	0.00015 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.74 mg/kg		0.74 mg/kg	0.000074 %	✓	
21	chrysene	601-048-00-0	205-923-4		0.92 mg/kg		0.92 mg/kg	0.000092 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.87 mg/kg		0.87 mg/kg	0.000087 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.63 mg/kg		0.63 mg/kg	0.000063 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.67 mg/kg		0.67 mg/kg	0.000067 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.53 mg/kg		0.53 mg/kg	0.000053 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		0.86 mg/kg		0.86 mg/kg	0.000086 %	✓	
28	PAHs (total)				11 mg/kg		11 mg/kg	0.0011 %	✓	
29	benzene	601-020-00-8	200-753-7		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
Total:								0.0547 %		

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 Long Chain Hydrocarbons - no free phase - non flammable

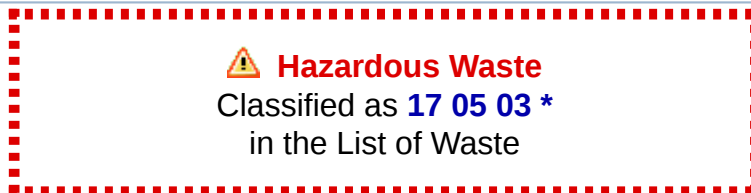
Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0065%)

Classification of sample: TP4



Sample details

Sample name:	LoW Code:	
TP4	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.75 m		

Hazard properties

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

Force this Hazardous property to hazardous because Long Chain Hydrocarbons - no free phase - non flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 1.5%)

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 1.5%)

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 1.5%)

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				4.3 mg/kg	1.32	5.677 mg/kg	0.000568 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium sulfate }				0.1 mg/kg	1.855	0.185 mg/kg	0.0000185 %	✓		
	048-009-00-9	233-331-6	10124-36-4								
3	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								
4	copper { copper sulphate pentahydrate }				6.1 mg/kg	3.929	23.967 mg/kg	0.0024 %	✓		
	029-023-00-4	231-847-6	7758-99-8								
5	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
6	 nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	1	8.3	mg/kg	2.976	24.703	mg/kg	0.00247 %	✓	
7	 lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6		13	mg/kg	1.56	20.278	mg/kg	0.0013 %	✓	
8	 selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				0.31	mg/kg	1.405	0.436	mg/kg	0.0000436 %	✓	
9	 zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		22	mg/kg	2.774	61.031	mg/kg	0.0061 %	✓	
10	 chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
11	 TPH (C6 to C40) petroleum group			TPH		15000	mg/kg		15000	mg/kg	1.5 %	✓	
12	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
13	 acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
14	 acenaphthene		201-469-6	83-32-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
15	 fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
16	 phenanthrene		201-581-5	85-01-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
17	 anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
18	 fluoranthene		205-912-4	206-44-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
19	 pyrene		204-927-3	129-00-0		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4	218-01-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
25	 indeno[123-cd]pyrene		205-893-2	193-39-5		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
27	 benzo[ghi]perylene		205-883-8	191-24-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
28	 PAHs (total)					<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
29	benzene	601-020-00-8	200-753-7	71-43-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9	108-88-3		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
31	 ethylbenzene	601-023-00-4	202-849-4	100-41-4		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	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]		<1	mg/kg		<1	mg/kg	<0.0001 %		<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							
Total:									1.515 %		

Key

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

Classification of sample: TP4[2]

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

Sample details

Sample name:	LoW Code:
TP4[2]	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
2.00 m	

Hazard properties

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

Force this Hazardous property to hazardous because Long Chain Hydrocarbons - no free phase - non flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.7%)

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.7%)

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.7%)

Determinands

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

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				6.8 mg/kg	1.32	8.978 mg/kg	0.000898 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		cadmium { cadmium sulfate }				0.14 mg/kg	1.855	0.26 mg/kg	0.000026 %	✓		
		048-009-00-9	233-331-6	10124-36-4								
3		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								
4		copper { copper sulphate pentahydrate }				16 mg/kg	3.929	62.865 mg/kg	0.00629 %	✓		
		029-023-00-4	231-847-6	7758-99-8								
5		mercury { mercury dichloride }				0.28 mg/kg	1.353	0.379 mg/kg	0.0000379 %	✓		
		080-010-00-X	231-299-8	7487-94-7								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
6	nickel { nickel chromate }				12 mg/kg	2.976	35.715 mg/kg	0.00357 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
7	lead { lead chromate }			1	60 mg/kg	1.56	93.589 mg/kg	0.006 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
8	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.48 mg/kg	1.405	0.674 mg/kg	0.0000674 %	✓	
	034-002-00-8									
9	zinc { zinc chromate }				48 mg/kg	2.774	133.159 mg/kg	0.0133 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
10	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
11	TPH (C6 to C40) petroleum group		TPH		7000 mg/kg		7000 mg/kg	0.7 %	✓	
12	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
14	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
15	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
16	phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8							
17	anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7							
18	fluoranthene				4.3 mg/kg		4.3 mg/kg	0.00043 %	✓	
		205-912-4	206-44-0							
19	pyrene				5.9 mg/kg		5.9 mg/kg	0.00059 %	✓	
		204-927-3	129-00-0							
20	benzo[a]anthracene				2.4 mg/kg		2.4 mg/kg	0.00024 %	✓	
	601-033-00-9	200-280-6	56-55-3							
21	chrysene				4 mg/kg		4 mg/kg	0.0004 %	✓	
	601-048-00-0	205-923-4	218-01-9							
22	benzo[b]fluoranthene				1.7 mg/kg		1.7 mg/kg	0.00017 %	✓	
	601-034-00-4	205-911-9	205-99-2							
23	benzo[k]fluoranthene				0.58 mg/kg		0.58 mg/kg	0.000058 %	✓	
	601-036-00-5	205-916-6	207-08-9							
24	benzo[a]pyrene; benzo[def]chrysene				1.5 mg/kg		1.5 mg/kg	0.00015 %	✓	
	601-032-00-3	200-028-5	50-32-8							
25	indeno[123-cd]pyrene				1.1 mg/kg		1.1 mg/kg	0.00011 %	✓	
		205-893-2	193-39-5							
26	dibenz[a,h]anthracene				0.73 mg/kg		0.73 mg/kg	0.000073 %	✓	
	601-041-00-2	200-181-8	53-70-3							
27	benzo[ghi]perylene				1.8 mg/kg		1.8 mg/kg	0.00018 %	✓	
		205-883-8	191-24-2							
28	PAHs (total)				24 mg/kg		24 mg/kg	0.0024 %	✓	
29	benzene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
30	toluene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
31	ethylbenzene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
32	xylene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							

#		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							
Total:									0.738 %		

Key

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

Classification of sample: CBR5

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

Sample details

Sample name:	LoW Code:	
CBR5	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.75 m		

Hazard properties

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

Force this Hazardous property to hazardous because Long Chain Hydrocarbons - no free phase - non flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.28%)

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.28%)

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.28%)

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	 arsenic { arsenic trioxide }				13 mg/kg	1.32	17.164	mg/kg	0.00172 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
2	 cadmium { cadmium sulfate }				0.33 mg/kg	1.855	0.612	mg/kg	0.0000612 %	✓	
	048-009-00-9	233-331-6	10124-36-4								
3	 chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				33 mg/kg	1.462	48.231	mg/kg	0.00482 %	✓	
		215-160-9	1308-38-9								
4	 copper { copper sulphate pentahydrate }				32 mg/kg	3.929	125.73	mg/kg	0.0126 %	✓	
	029-023-00-4	231-847-6	7758-99-8								
5	 mercury { mercury dichloride }				0.09 mg/kg	1.353	0.122	mg/kg	0.0000122 %	✓	
	080-010-00-X	231-299-8	7487-94-7								

#		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									
6	 nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	1	17	mg/kg	2.976	50.597	mg/kg	0.00506 %	✓	
7	 lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6		120	mg/kg	1.56	187.178	mg/kg	0.012 %	✓	
8	 selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			1	0.68	mg/kg	1.405	0.955	mg/kg	0.0000955 %	✓	
9	 zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		120	mg/kg	2.774	332.898	mg/kg	0.0333 %	✓	
10	 chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	1	<0.5	mg/kg	1.923	<0.962	mg/kg	<0.0000962 %		<LOD
11	 TPH (C6 to C40) petroleum group			TPH		2800	mg/kg		2800	mg/kg	0.28 %	✓	
12	 naphthalene	601-052-00-2	202-049-5	91-20-3	1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
13	 acenaphthylene		205-917-1	208-96-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
14	 acenaphthene		201-469-6	83-32-9	1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
15	 fluorene		201-695-5	86-73-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
16	 phenanthrene		201-581-5	85-01-8	1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
17	 anthracene		204-371-1	120-12-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
18	 fluoranthene		205-912-4	206-44-0	1	7.3	mg/kg		7.3	mg/kg	0.00073 %	✓	
19	 pyrene		204-927-3	129-00-0		12	mg/kg		12	mg/kg	0.0012 %	✓	
20	 benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1	4.7	mg/kg		4.7	mg/kg	0.00047 %	✓	
21	 chrysene	601-048-00-0	205-923-4	218-01-9		6.5	mg/kg		6.5	mg/kg	0.00065 %	✓	
22	 benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	1	6.1	mg/kg		6.1	mg/kg	0.00061 %	✓	
23	 benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		2.9	mg/kg		2.9	mg/kg	0.00029 %	✓	
24	 benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1	4.7	mg/kg		4.7	mg/kg	0.00047 %	✓	
25	 indeno[123-cd]pyrene		205-893-2	193-39-5		3.8	mg/kg		3.8	mg/kg	0.00038 %	✓	
26	 dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	1	1.2	mg/kg		1.2	mg/kg	0.00012 %	✓	
27	 benzo[ghi]perylene		205-883-8	191-24-2		4.5	mg/kg		4.5	mg/kg	0.00045 %	✓	
28	 PAHs (total)				1	54	mg/kg		54	mg/kg	0.0054 %	✓	
29	 benzene	601-020-00-8	200-753-7	71-43-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	 toluene	601-021-00-3	203-625-9	108-88-3	1	<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
31	 ethylbenzene	601-023-00-4	202-849-4	100-41-4		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
32	 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]	1	<1	mg/kg		<1	mg/kg	<0.0001 %		<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							
Total:									0.361 %		

Key

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

Classification of sample: TP2

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

Sample details

Sample name:	LoW Code:
TP2	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m	

Hazard properties

None identified

Determinands

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

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				7.2 mg/kg	1.32	9.506 mg/kg	0.000951 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		cadmium { cadmium sulfate }				0.13 mg/kg	1.855	0.241 mg/kg	0.0000241 %	✓		
		048-009-00-9	233-331-6	10124-36-4								
3		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								
4		copper { copper sulphate pentahydrate }				15 mg/kg	3.929	58.936 mg/kg	0.00589 %	✓		
		029-023-00-4	231-847-6	7758-99-8								
5		mercury { mercury dichloride }				0.28 mg/kg	1.353	0.379 mg/kg	0.0000379 %	✓		
		080-010-00-X	231-299-8	7487-94-7								
6		nickel { nickel chromate }				12 mg/kg	2.976	35.715 mg/kg	0.00357 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
7		lead { lead chromate }			1	67 mg/kg	1.56	104.508 mg/kg	0.0067 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
8		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.46 mg/kg	1.405	0.646 mg/kg	0.0000646 %	✓		
		034-002-00-8										
9		zinc { zinc chromate }				51 mg/kg	2.774	141.481 mg/kg	0.0141 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
10		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.5 mg/kg	1.923	<0.962 mg/kg	<0.0000962 %		<LOD	
		024-001-00-0	215-607-8	1333-82-0								
11		TPH (C6 to C40) petroleum group				93 mg/kg		93 mg/kg	0.0093 %	✓		
				TPH								
12		naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD	
		601-052-00-2	202-049-5	91-20-3								
13		acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD	
			205-917-1	208-96-8								
14		acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD	
			201-469-6	83-32-9								
15		fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD	
			201-695-5	86-73-7								
16		phenanthrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD	
			201-581-5	85-01-8								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	fluoranthene	205-912-4	206-44-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	pyrene	204-927-3	129-00-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	benzo[a]anthracene	601-033-00-9	200-280-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	chrysene	601-048-00-0	205-923-4		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	PAHs (total)				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
29	benzene	601-020-00-8	200-753-7		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	toluene	601-021-00-3	203-625-9		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]		<1 mg/kg		<1 mg/kg	<0.0001 %		<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

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 Long Chain Hydrocarbons - no free phase - non flammable

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0093%)

Appendix A: Classifier defined and non GB MCL determinands

■ **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H332, Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Resp. Sens. 1; H334, Skin Sens. 1; H317, Repr. 1B; H360FD, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

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

Description/Comments: 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

■ **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

▪ **PAHs (total)**

Description/Comments: Worst case scenario combining risk phrases and substance specific thresholds from benzo[a]pyrene (CLP# 601-032-00-3) and benzo[a]anthracene (CLP# 601-033-00-9)
Data source: 2008/1272/EC – Table 3.2 of Annex VI of regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures and 2009/790/EC Annex IV – Annex IV of regulation 2009/790/EC - 1st Adaptation to Technical Progress for European Regulation 1272/2008
Data source date: 16 Dec 2008
Hazard Statements: Skin Sens. 1; H317 , Carc. 1B; H350 , Carc. 1B; H350 >= 0.01 % , Muta. 1B; H340 , Aquatic Acute 1; H400 (M=100) , Aquatic Chronic 1; H410 (M=100) , Repr. 1B; H360FD

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

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds

cadmium {cadmium sulfate}

Worst Case Species Selected

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

(enter justification for selecting this species)

copper {copper sulphate pentahydrate}

Worst Case Species Selected

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight

lead {lead chromate}

Worst Case Species Selected

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

(enter justification for selecting this species)

zinc {zinc chromate}

Worst Case Species Selected

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

(enter justification for selecting this species)

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**
HazWasteOnline Classification Engine Version: 2023.73.5544.10256 (14 Mar 2023)
HazWasteOnline Database: 2023.73.5544.10256 (14 Mar 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