

EMT Job No: 23/9034

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AR	Yes
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.			AD	Yes
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes		AR	No

Tier Environmental
Suite 414, Chadwick House
Warrington Rd
Birchwood
Warrington
United Kingdom
WA3 6AE



4225



Attention : Adrian Read
Date : 30th June, 2023
Your reference : TE1750
Our reference : Test Report 23/9034 Batch 5
Location : Bryn Lane Detail
Date samples received : 20th June, 2023
Status : Final Report
Issue : 1

Eight samples were received for analysis on 20th June, 2023 of which seven were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:



Bruce Leslie
Project Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: Tier Environmental
Reference: TE1750
Location: Bryn Lane Detail
Contact: Adrian Read
EMT Job No: 23/9034

Report : Solid

Solids: V=60g VOC jar. J=250g glass jar. T=plastic tub

EMT Sample No.	270-272	273-275	276-278	279-281	282-284	288-290	291-293				Please see attached notes for all abbreviations and acronyms		
Sample ID	HDP101	HDP102	HDP103	HDP103	HDP104	HDP106	HDP107						
Depth	0.30	0.10	0.30	1.20	0.60	0.15	0.30						
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	5	5	5	5	5	5	5						
Date of Receipt	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023				LOD/LOR	Units	Method No.
Arsenic #	6.7	8.3	11.3	12.5	-	12.5	-				<0.5	mg/kg	TM30/PM15
Cadmium #	<0.1	<0.1	<0.1	<0.1	-	<0.1	-				<0.1	mg/kg	TM30/PM15
Chromium #	52.1	41.0	55.6	40.5	-	50.0	-				<0.5	mg/kg	TM30/PM15
Copper #	20	22	22	26	-	23	-				<1	mg/kg	TM30/PM15
Lead #	35	67	20	70	-	62	-				<5	mg/kg	TM30/PM15
Mercury #	<0.1	0.1	<0.1	0.1	-	0.1	-				<0.1	mg/kg	TM30/PM15
Nickel #	26.1	19.1	45.0	33.2	-	31.2	-				<0.7	mg/kg	TM30/PM15
Selenium #	2	1	2	2	-	1	-				<1	mg/kg	TM30/PM15
Total Sulphate as SO4 #	264	778	210	1346	-	836	-				<50	mg/kg	TM50/PM25
Zinc #	95	112	79	115	-	112	-				<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #	<0.04	<0.04	<0.04	<0.04	-	<0.04	-				<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.07	0.25	<0.03	<0.03	-	<0.03	-				<0.03	mg/kg	TM4/PM8
Acenaphthene #	<0.05	0.61	<0.05	<0.05	-	<0.05	-				<0.05	mg/kg	TM4/PM8
Fluorene #	<0.04	0.38	<0.04	<0.04	-	<0.04	-				<0.04	mg/kg	TM4/PM8
Phenanthrene #	0.33	4.94	<0.03	<0.03	-	0.05	-				<0.03	mg/kg	TM4/PM8
Anthracene #	0.17	1.03	<0.04	<0.04	-	<0.04	-				<0.04	mg/kg	TM4/PM8
Fluoranthene #	0.95	6.12	<0.03	<0.03	-	0.15	-				<0.03	mg/kg	TM4/PM8
Pyrene #	0.89	5.13	<0.03	<0.03	-	0.13	-				<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.53	2.33	<0.06	<0.06	-	0.10	-				<0.06	mg/kg	TM4/PM8
Chrysene #	0.60	2.29	<0.02	0.06	-	0.07	-				<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #	1.35	3.90	<0.07	0.32	-	0.15	-				<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.87	2.31	<0.04	0.26	-	0.09	-				<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #	0.64	1.63	<0.04	0.33	-	0.06	-				<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.18	0.32	<0.04	<0.04	-	<0.04	-				<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.65	1.57	<0.04	0.32	-	0.06	-				<0.04	mg/kg	TM4/PM8
PAH 16 Total	7.2	32.8	<0.6	1.3	-	0.9	-				<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.97	2.81	<0.05	0.23	-	0.11	-				<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.38	1.09	<0.02	0.09	-	0.04	-				<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	92	90	89	91	-	87	-				<0	%	TM4/PM8

Element Materials Technology

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EMT Sample No.	270-272	273-275	276-278	279-281	282-284	288-290	291-293				Please see attached notes for all abbreviations and acronyms		
Sample ID	HDP101	HDP102	HDP103	HDP103	HDP104	HDP106	HDP107						
Depth	0.30	0.10	0.30	1.20	0.60	0.15	0.30						
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	5	5	5	5	5	5	5						
Date of Receipt	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023				LOD/LOR	Units	Method No.
Pesticides													
Organophosphorus Pesticides													
Azinphos ethyl	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Azinphos methyl	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Carbophenothion	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Chlorfenvinphos	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Chlorpyrifos	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Chlorpyrifos-methyl	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Diazinon	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Dichlorvos	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Disulfoton	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Dimethoate	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Ethion	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Ethyl Parathion (Parathion)	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Etrimphos	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Fenitrothion	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Fenthion	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Malathion	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Methyl Parathion	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Mevinphos	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Phosalone	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Pirimiphos Methyl	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Propetamphos	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
Triazophos	<10	-	<10	-	<10	<10	<10				<10	ug/kg	TM42/PM8
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) #	-	<0.1	<0.1	<0.1	-	<0.1	-				<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) #	-	<0.1	<0.1	<0.1	-	<0.1	-				<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	-	<0.1	<0.1	<0.1	-	<0.1	-				<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) #	-	<0.2	<0.2	<0.2	-	<0.2	-				<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) #	-	<4	<4	<4	-	<4	-				<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) #	-	<7	<7	<7	-	<7	-				<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) #	-	<7	<7	<7	-	53	-				<7	mg/kg	TM5/PM8/PM16
>C35-C40 (EH_CU_1D_AL)	-	<7	<7	<7	-	31	-				<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-40 (EH+HS_CU_1D_AL)	-	<26	<26	<26	-	84	-				<26	mg/kg	TM5/PM8/PM16/PM12/PM10

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EMT Sample No.	270-272	273-275	276-278	279-281	282-284	288-290	291-293				Please see attached notes for all abbreviations and acronyms		
Sample ID	HDP101	HDP102	HDP103	HDP103	HDP104	HDP106	HDP107						
Depth	0.30	0.10	0.30	1.20	0.60	0.15	0.30						
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T						
Sample Date	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023						
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil						
Batch Number	5	5	5	5	5	5	5						
Date of Receipt	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023	20/06/2023				LOD/LOR	Units	Method No.
TPH CWG													
Aromatics													
>C5-EC7 (HS_1D_AR) #	-	<0.1	<0.1	<0.1	-	<0.1	-				<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) #	-	<0.1	<0.1	<0.1	-	<0.1	-				<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) #	-	<0.1	<0.1	<0.1	-	<0.1	-				<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) #	-	<0.2	<0.2	<0.2	-	<0.2	-				<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) #	-	<4	<4	<4	-	<4	-				<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) #	-	30	<7	<7	-	<7	-				<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) #	-	79	<7	82	-	<7	-				<7	mg/kg	TM5/PM8/PM16
>EC35-EC40 (EH_CU_1D_AR)	-	<7	<7	<7	-	<7	-				<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-40 (EH+HS_CU_1D_AR)	-	109	<26	82	-	<26	-				<26	mg/kg	TM5/PM8/PM16/PM12/PM10
Total aliphatics and aromatics(C5-40) (EH+HS_CU_1D_Total)	-	109	<52	82	-	84	-				<52	mg/kg	TM5/PM8/PM16/PM12/PM10
MTBE #	-	<5	<5	<5	-	<5	-				<5	ug/kg	TM36/PM12
Benzene #	-	<5	<5	<5	-	<5	-				<5	ug/kg	TM36/PM12
Toluene #	-	<5	<5	<5	-	<5	-				<5	ug/kg	TM36/PM12
Ethylbenzene #	-	<5	<5	<5	-	<5	-				<5	ug/kg	TM36/PM12
m/p-Xylene #	-	<5	<5	<5	-	<5	-				<5	ug/kg	TM36/PM12
o-Xylene #	-	<5	<5	<5	-	<5	-				<5	ug/kg	TM36/PM12
Total Phenols HPLC	<0.15	<0.15	<0.15	<0.15	-	<0.15	-				<0.15	mg/kg	TM26/PM21B
Natural Moisture Content	5.4	19.3	21.8	85.6	16.4	22.2	18.4				<0.1	%	PM4/PM0
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3	-	<0.3	-				<0.3	mg/kg	TM38/PM20
Ortho Phosphate as PO4	0.7	-	<0.3	-	<0.3	1.9	<0.3				<0.3	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	0.0070	0.0499	0.0321	0.2170	-	0.0319	-				<0.0015	g/l	TM38/PM20
Total Organic Carbon #	1.02	2.37	0.57	8.27	-	3.40	-				<0.02	%	TM21/PM24
Nitrocellulose Colour*	-	-	-	-ve	-	-	-				None		Subcontracted
Nitrocellulose Colourimetric*	-	-	-	<5000	-	-	-				mg/kg		Subcontracted
Cyclotetramethylene Tetranitramine (HMX)*	-	-	-	<2	-	-	-				mg/kg		Subcontracted
Cyclo-1,3,5-Trimethylene-2,4,6-Trinitramine (RDX)*	-	-	-	<2	-	-	-				mg/kg		Subcontracted
Ethylene Glycol Dinitrate (EGDN)*	-	-	-	<1	-	-	-				mg/kg		Subcontracted
2,4,6-Trinitro-Phenylmethyl Nitramine (Tetryl)*	-	-	-	<1	-	-	-				mg/kg		Subcontracted
Glycerol Trinitrate (NG)*	-	-	-	<1	-	-	-				mg/kg		Subcontracted
2,4,6-Trinitrotoluene (TNT)*	-	-	-	<0.1	-	-	-				mg/kg		Subcontracted
2,6-Dinitrotoluene*	-	-	-	<1	-	-	-				mg/kg		Subcontracted
2,4-Dinitrotoluene*	-	-	-	<1	-	-	-				mg/kg		Subcontracted
Hexanitro-Stilbene (HNS)*	-	-	-	<0.5	-	-	-				mg/kg		Subcontracted
Pentaerythritol Tetranitrate (PETN)*	-	-	-	<5	-	-	-				mg/kg		Subcontracted
Nitroguanidine (Picrite)*	-	-	-	<0.25	-	-	-				mg/kg		Subcontracted
2,4,6-Trinitro Phenol (Picric Acid)*	-	-	-	<0.1	-	-	-				mg/kg		Subcontracted

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[illegible]

Client Name: Tier Environmental
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Note:

Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Asbestos sub-samples are retained for not less than 6 months from the date of analysis unless specifically requested.

The LOQ of the Asbestos Quantification is 0.001% dry fibre of dry mass of sample.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

Where trace asbestos is reported the amount of asbestos will be <0.1%.

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/9034	5	HDP101	0.30	272	Simon Postlewhite	30/06/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	30/06/2023	Asbestos Fibres	NAD
					Simon Postlewhite	30/06/2023	Asbestos ACM	NAD
					Simon Postlewhite	30/06/2023	Asbestos Type	NAD
23/9034	5	HDP102	0.10	275	Simon Postlewhite	30/06/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	30/06/2023	Asbestos Fibres	NAD
					Simon Postlewhite	30/06/2023	Asbestos ACM	NAD
					Simon Postlewhite	30/06/2023	Asbestos Type	NAD
23/9034	5	HDP103	0.30	278	Simon Postlewhite	30/06/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	30/06/2023	Asbestos Fibres	NAD
					Simon Postlewhite	30/06/2023	Asbestos ACM	NAD
					Simon Postlewhite	30/06/2023	Asbestos Type	NAD
23/9034	5	HDP103	1.20	281	Anthony Carman	30/06/2023	General Description (Bulk Analysis)	Brown Soil/Stones
					Anthony Carman	30/06/2023	Asbestos Fibres	NAD
					Anthony Carman	30/06/2023	Asbestos ACM	NAD
					Anthony Carman	30/06/2023	Asbestos Type	NAD
23/9034	5	HDP106	0.15	290	Anthony Carman	30/06/2023	General Description (Bulk Analysis)	Brown Soil/Stones
					Anthony Carman	30/06/2023	Asbestos Fibres	NAD
					Anthony Carman	30/06/2023	Asbestos ACM	NAD
					Anthony Carman	30/06/2023	Asbestos Type	NAD

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[illegible]

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 23/9034

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 37°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

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STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

Laboratory records are kept for a period of no less than 6 years.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above quantitative calibration range. The result should be considered the minimum value and is indicative only. The actual result could be significantly higher.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics mathematically subtracted
#2	EU_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 23/9034

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
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TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
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TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Preparation of Soil and Marine Sediment Samples for Total Organic Carbon.	Yes		AD	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM21B	As Received samples are extracted in Methanol: Water (60:40) by reciprocal shaker.			AR	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes		AD	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes

EMT Job No: 23/9034

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
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TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AD	Yes
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TM42	Modified US EPA method 8270D v5:2014. Pesticides and herbicides by GC-MS	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.	Yes		AD	Yes
TM65	Asbestos Bulk Identification method based on HSG 248 Second edition (2021)	PM42	Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes		AR	No
Subcontracted	See attached subcontractor report for accreditation status and provider.					AD	Yes

Tier Environmental
Suite 414, Chadwick House
Warrington Rd
Birchwood
Warrington
United Kingdom
WA3 6AE



4225



Attention : Adrian Read
Date : 3rd July, 2023
Your reference : TE1750
Our reference : Test Report 23/9034 Batch 6
Location : Bryn Lane Detail
Date samples received : 21st June, 2023
Status : Final Report
Issue : 1

Seven samples were received for analysis on 21st June, 2023 of which four were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:



Bruce Leslie
Project Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: Tier Environmental
Reference: TE1750
Location: Bryn Lane Detail
Contact: Adrian Read
EMT Job No: 23/9034

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	294-295	296-297	302-303	304-305							Please see attached notes for all abbreviations and acronyms		
Sample ID	CP103	CP107	CP108	CP108									
Depth	8.00	8.00	0.20	4.70									
COC No / misc													
Containers	J T	V T	V J	V J									
Sample Date	19/06/2023	19/06/2023	20/06/2023	20/06/2023									
Sample Type	Soil	Soil	Soil	Soil									
Batch Number	6	6	6	6									
Date of Receipt	21/06/2023	21/06/2023	21/06/2023	21/06/2023							LOD/LOR	Units	Method No.
Sulphur as S	0.04	0.06	-	0.06							<0.01	%	TM30/PM15
Total Sulphate as SO4 BRE	0.07	0.07	-	0.11							<0.01	%	TM50/PM29
Magnesium	0.0398	0.0291	-	0.0634							<0.0001	g/l	TM30/PM20
Pesticides													
Organophosphorus Pesticides													
Azinphos ethyl	-	-	<10	-							<10	ug/kg	TM42/PM8
Azinphos methyl	-	-	<10	-							<10	ug/kg	TM42/PM8
Carbophenothion	-	-	<10	-							<10	ug/kg	TM42/PM8
Chlorfenvinphos	-	-	<10	-							<10	ug/kg	TM42/PM8
Chlorpyrifos	-	-	<10	-							<10	ug/kg	TM42/PM8
Chlorpyrifos-methyl	-	-	<10	-							<10	ug/kg	TM42/PM8
Diazinon	-	-	<10	-							<10	ug/kg	TM42/PM8
Dichlorvos	-	-	<10	-							<10	ug/kg	TM42/PM8
Disulfoton	-	-	<10	-							<10	ug/kg	TM42/PM8
Dimethoate	-	-	<10	-							<10	ug/kg	TM42/PM8
Ethion	-	-	<10	-							<10	ug/kg	TM42/PM8
Ethyl Parathion (Parathion)	-	-	<10	-							<10	ug/kg	TM42/PM8
Etrimphos	-	-	<10	-							<10	ug/kg	TM42/PM8
Fenitrothion	-	-	<10	-							<10	ug/kg	TM42/PM8
Fenthion	-	-	<10	-							<10	ug/kg	TM42/PM8
Malathion	-	-	<10	-							<10	ug/kg	TM42/PM8
Methyl Parathion	-	-	<10	-							<10	ug/kg	TM42/PM8
Mevinphos	-	-	<10	-							<10	ug/kg	TM42/PM8
Phosalone	-	-	<10	-							<10	ug/kg	TM42/PM8
Pirimiphos Methyl	-	-	<10	-							<10	ug/kg	TM42/PM8
Propetamphos	-	-	<10	-							<10	ug/kg	TM42/PM8
Triazophos	-	-	<10	-							<10	ug/kg	TM42/PM8
Natural Moisture Content	29.9	37.4	23.3	21.7							<0.1	%	PM4/PM0
Ammoniacal Nitrogen as NH4	<0.6	<0.6	-	<0.6							<0.6	mg/kg	TM38/PM20
Chloride (2:1 Ext BRE) #	0.017	0.019	-	0.016							<0.002	g/l	TM38/PM20
Nitrate as NO3 (2:1 Ext BRE)	<0.0025	<0.0025	-	0.0036							<0.0025	g/l	TM38/PM20
Ortho Phosphate as PO4	-	-	<0.3	-							<0.3	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	0.2936	0.2278	-	0.4345							<0.0015	g/l	TM38/PM20
pH #	8.41	8.59	-	8.32							<0.01	pH units	TM73/PM11

Client Name: Tier Environmental

Reference: TE1750

Location: Bryn Lane Detail

Contact: Adrian Read

[illegible]

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 23/9034

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EMT Job No: 23/9034

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PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AR	Yes
TM42	Modified US EPA method 8270D v5:2014. Pesticides and herbicides by GC-MS	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.			AD	Yes
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes		AR	No



2183

Final Report

Report No.: 23-20355-1

Initial Date of Issue: 26-Jun-2023

Re-Issue Details:

Client Element

Client Address: 3rd Floor
Davidson Building
Southampton Street
London
NC2E 71A

Contact(s): Project Managers

Project 9034 Batch 1

Quotation No.: Q23-30357

Date Received: 15-Jun-2023

Order No.: GB05100795PO

Date Instructed: 15-Jun-2023

No. of Samples: 2

Turnaround (Wkdays): 7

Results Due: 23-Jun-2023

Date Approved: 26-Jun-2023

Approved By:



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 9034 Batch 1

Client: Element	Chemtest Job No.:				23-20355	23-20355
Quotation No.: Q23-30357	Chemtest Sample ID.:				1657217	1657218
	Client Sample ID.:				9034 Batch 1-4	9034 Batch 1-16
	Sample Type:				SOIL	SOIL
	Date Sampled:				05-Jun-2023	05-Jun-2023
	Asbestos Lab:				COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD		
ACM Type	U	2192		N/A	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected

Test Methods

SOP	Title	Parameters included	Method summary
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry

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



2183

Final Report

Report No.: 23-20357-1

Initial Date of Issue: 19-Jun-2023

Re-Issue Details:

Client Element

Client Address: 3rd Floor
Davidson Building
Southampton Street
London
NC2E 71A

Contact(s): Project Managers

Project 9034 Batch 2

Quotation No.: Q23-30357

Date Received: 15-Jun-2023

Order No.: GB05100795PO

Date Instructed: 15-Jun-2023

No. of Samples: 15

Turnaround (Wkdays): 7

Results Due: 23-Jun-2023

Date Approved: 19-Jun-2023

Approved By:



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 9034 Batch 2

Client: Element	Chemtest Job No.:				23-20357	23-20357	23-20357	23-20357	23-20357	23-20357	23-20357	23-20357	23-20357
Quotation No.: Q23-30357	Chemtest Sample ID.:				1657222	1657223	1657224	1657225	1657226	1657227	1657228	1657229	1657230
	Client Sample ID.:				9034 Batch 2-44	9034 Batch 2-60	9034 Batch 2-72	9034 Batch 2-88	9034 Batch 2-100	9034 Batch 2-107	9034 Batch 2-119	9034 Batch 2-135	9034 Batch 2-147
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:				08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023
	Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Results - Soil

Project: 9034 Batch 2

Client: Element	Chemtest Job No.:					23-20357	23-20357	23-20357	23-20357	23-20357	23-20357
Quotation No.: Q23-30357	Chemtest Sample ID.:					1657231	1657232	1657233	1657234	1657235	1657236
	Client Sample ID.:					9034 Batch 2-171	9034 Batch 2-194	9034 Batch 2-209	9034 Batch 2-213	9034 Batch 2-225	9034 Batch 2-229
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:					08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023	08-Jun-2023
	Asbestos Lab:					DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD							
ACM Type	U	2192		N/A	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

Test Methods

SOP	Title	Parameters included	Method summary
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customerservices@chemtest.com

BAE Systems
Properties Ltd
10-11 Adlington South
Business Park
Adlington
Lancashire
PR7 4JR, England
Telephone: 03300 488680

TEST CERTIFICATE

Certificate No: BC0032/23

Site : Element

Ref : 43X10485

Client : Element Materials Technology

Date Received : 26/06/2023

Address : Unit 3
Deeside Point
Deeside Industrial Park
Deeside

Date Completed : 29/06/2023

Date Of Report : 29/06/2023

CH5 2UA

Attention : Project Manager

Accreditation Key:

U = UKAS

M = UKAS & MCERTS

S = Subcontracted Tests

Test Methods

Standard Explosives Suite using ESAL/QC/4 parts a, j, k, HPLCsoils, NC by l or m

Approved :



Mr D.C. Poole

Laboratory manager

Mr P.D. Hart

Senior Analyst



1764

BAE SYSTEMS

TABLE OF RESULTS

Lab Code	20230475		
Client Ref A	23/9034-280		
Client Ref B			
Client Ref C	20/06/23		
Sample Type	Soil		
Soil Type	Top Soil (Standard)		
NC Colour	-ve		U
NC Colourimetric	<5000	mg/kg	U
HMX	<2	mg/kg	M
RDX	<2	mg/kg	M
EGDN	<1	mg/kg	M
Tetryl	<1	mg/kg	M
NG	<1	mg/kg	M
TNT	<0.1	mg/kg	M
2,6-DNT	<1	mg/kg	M
2,4-DNT	<1	mg/kg	M
PETN	<5	mg/kg	M
HNS	<0.5	mg/kg	M
Picrite	<0.25	mg/kg	M
Picric Acid	<0.1	mg/kg	M

COMMENTS AND DEPARTURES FROM STANDARD PROCEDURES

Lab ID	Client Descriptions	Notes
--------	---------------------	-------

There were no comments or departures from standard procedures

NOTES

1. This test report shall not be reproduced except in full, without written approval of the laboratory.
2. All results for soil samples are reported based on dry weight of soil which has been air-dried in open, shallow trays at temperatures below 30°C and subsequently ground and sieved to pass through a nominal 710µm aperture sieve. Prior to grinding, any material which is retained on a sieve of mesh size 4.5mm is discarded. Analysis is carried out directly on these prepared soils with the exception of petrol range organic compounds. These analyses are carried out on the soil "As Received" and corrected for the dry weight (at 105 °C) prior to reporting.
3. BAE Systems does not correct results for analytical recoveries.
4. All samples were received in good condition unless otherwise stated. Results provided by the Laboratory are based on samples submitted by clients. The Laboratory cannot be held responsible for the storage, condition or preservation of samples prior to arrival.
5. Validation studies indicate that the concentration of nitrocellulose in high organic content soils may be overestimated.
6. Results stated in this test report relate only to the samples tested.
7. Soil descriptions are given in order to provide a log of sample matrices submitted and are not intended as full geological descriptions.
8. The initials or common names used for reporting explosives relate to the following compounds: Nitrocellulose(NC); Cyclotetramethylene Tetranitramine (HMX); Cyclo-1,3,5-Trimethylene-2,4,6-Trinitramine (RDX); Ethylene Glycol Dinitrate (EGDN); 2,4,6-Trinitro-Phenylmethyl Nitramine (Tetryl); Glycerol Trinitrate (NG); 2,4,6-Trinitrotoluene (TNT); Pentaerythritol Tetranitrate (PETN); Hexanitro-Stilbene (HNS); Nitroguanidine (Picrite); 2,4,6-Trinitro Phenol (Picric Acid); 2,4-Dinitrotoluene (2,4-DNT); 2,6-Dinitrotoluene (2,6-DNT), 2-Amino-4,6-Dinitrotoluene (2-Amino-4,6-DNT), 4-Amino-4,6-Dinitrotoluene (4-Amino-2,6-DNT).
9. Some reporting limits may be raised due to poor recovery of internal standard or dilution of highly contaminated samples.
10. In unacidified waters Tetryl, 1,3,5-TNB, 1,3-DNB and TNT are unstable decaying rapidly over a few days or less depending on the sample matrix. 2-Amino-4,6-DNT, 2,6-DNT and 2,4-DNT are generally more stable depending on the sample matrix, but are likely to show significant loss after three weeks. HMX, RDX, EGDN, PETN, NB, MNT isomers, 4-Amino-2,6-DNT, Picrite and Picric acid are relatively stable after three weeks in unpreserved water samples. These comments are based on laboratory in house trials in surface and ground waters and results from literature searches.
11. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

End of Report BC0032/23



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)



S6ASP-NTBB6-SIY05

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

Job name

EMT-23-9034-Batch-1-202306261453

Description/Comments

Project

TE1750

Site

Bryn Lane, Wrexham Detailed Planning

Classified by

Name: **Adrian Read**
Date: **03 Jul 2023 07:01 GMT**
Telephone: **01925 818388**

Company: **Tier Environmental**
Suite 414
Chadwick House
Warrington
WA3 6AE

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:**CERTIFIED****Course**

Hazardous Waste Classification

Date

03 Dec 2020

Next 3 year Refresher due by Dec 2023

Purpose of classification

2 - Material Characterisation

Address of the waste

Bryn Lane Wrexham

Post Code **LL13 9XW**

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Proposed redevelopment of land

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

Waste created during excavation of soils during development

Description of the waste

Made ground and/or natural soils



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP101-05/06/2023-0.10m		Non Hazardous		3
2	TP102-05/06/2023-0.20m		Non Hazardous		6
3	TP103-05/06/2023-2.70m		Non Hazardous		8

Related documents

#	Name	Description
1	EMT-23-9034-Batch-1-202306261453.HWOL	Element .hwol file used to populate the Job
2	Example waste stream template for contaminated soils	waste stream template used to create this Job

Report

Created by: Adrian Read

Created date: 03 Jul 2023 07:01 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	10
Appendix B: Rationale for selection of metal species	11
Appendix C: Version	11

Classification of sample: TP101-05/06/2023-0.10m

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

Sample details

Sample name:	LoW Code:
TP101-05/06/2023-0.10m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
16.2% (dry weight correction)	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 16.2% Dry 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 }				11.5	mg/kg	1.32	13.067	mg/kg	0.00131 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				59.4	mg/kg	2.27	116.04	mg/kg	0.0116 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	20.347	mg/kg	0.00203 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	17	mg/kg	1.56	22.82	mg/kg	0.00146 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				0.2	mg/kg	1.353	0.233	mg/kg	0.0000233 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				56	mg/kg	2.976	143.434	mg/kg	0.0143 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				1	mg/kg	2.554	2.198	mg/kg	0.00022 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				69	mg/kg	2.774	164.73	mg/kg	0.0165 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	TPH (C6 to C40) petroleum group				<52	mg/kg		<52	mg/kg	<0.0052 %		<LOD
			TPH									
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
13	toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
14	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
15	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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							
16	pH		PH		8 pH		8 pH	8pH		
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7							
21	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
22	anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7							
23	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
24	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
25	benzo[a]anthracene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-883-8	191-24-2							
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7							
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9							
35	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0							
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6							
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6							
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2							
39	chlorpyrifos-methyl (ISO);, O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-186-00-9	227-011-5	5598-13-0							
40	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-040-00-4	206-373-8	333-41-5							
41	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-051-00-4	200-480-3	60-51-5							

#	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							
42	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-047-00-2	209-242-3	563-12-2							
43	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2							
44	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-122-00-X	253-855-9	38260-54-7							
45	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-054-00-0	204-524-2	122-14-5							
46	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-048-00-8	200-231-9	55-38-9							
47	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-041-00-X	204-497-7	121-75-5							
48	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-035-00-7	206-050-1	298-00-0							
49	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-020-00-5	232-095-1	7786-34-7							
50	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0							
51	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7							
52	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	31218-83-4							
53	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-140-00-8	245-986-5	24017-47-8							
54	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-060-00-3	206-054-3	298-04-4							
Total:								0.0528 %		

Key

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

Classification of sample: TP102-05/06/2023-0.20m

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

Sample details

Sample name:	LoW Code:
TP102-05/06/2023-0.20m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
6.9%	Entry:
(dry weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 6.9% Dry 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 }				10.7 mg/kg	1.32	13.216 mg/kg	0.00132 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
3		chromium in chromium(VI) compounds { chromium (VI) compounds , with the exception of barium chromate and of compounds specified elsewhere in this Annex }				51.2 mg/kg	2.27	108.722 mg/kg	0.0109 %	✓		
		024-017-00-8										
4		copper { dicopper oxide ; copper (I) oxide }				19 mg/kg	1.126	20.011 mg/kg	0.002 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
5		lead { lead chromate }			1	44 mg/kg	1.56	64.202 mg/kg	0.00412 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
6		mercury { mercury dichloride }				0.2 mg/kg	1.353	0.253 mg/kg	0.0000253 %	✓		
		080-010-00-X	231-299-8	7487-94-7								
7		nickel { nickel chromate }				27.6 mg/kg	2.976	76.843 mg/kg	0.00768 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
8		selenium { nickel selenate }				1 mg/kg	2.554	2.389 mg/kg	0.000239 %	✓		
		028-031-00-5	239-125-2	15060-62-5								
9		zinc { zinc chromate }				94 mg/kg	2.774	243.938 mg/kg	0.0244 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
10		TPH (C6 to C40) petroleum group				<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD	
				TPH								
11		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								
12		benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-020-00-8	200-753-7	71-43-2								
13		toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-021-00-3	203-625-9	108-88-3								
14		ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-023-00-4	202-849-4	100-41-4								
15		xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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								
16	• pH				6.71 pH		6.71	pH	6.71 pH		
17	naphthalene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3								
18	• acenaphthylene				<0.03 mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8								
19	• acenaphthene				<0.05 mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9								
20	• fluorene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7								
21	• phenanthrene				<0.03 mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8								
22	• anthracene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7								
23	• fluoranthene				<0.03 mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0								
24	• pyrene				<0.03 mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0								
25	benzo[a]anthracene				<0.06 mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
	601-033-00-9	200-280-6	56-55-3								
26	chrysene				<0.02 mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
	601-048-00-0	205-923-4	218-01-9								
27	benzo[b]fluoranthene				<0.05 mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2								
28	benzo[k]fluoranthene				<0.02 mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
	601-036-00-5	205-916-6	207-08-9								
29	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-032-00-3	200-028-5	50-32-8								
30	• indeno[123-cd]pyrene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		205-893-2	193-39-5								
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3								
32	• benzo[ghi]perylene				<0.04 mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		205-883-8	191-24-2								
Total:									0.0559 %		

Key

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

Classification of sample: TP103-05/06/2023-2.70m

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

Sample details

Sample name:	LoW Code:
TP103-05/06/2023-2.70m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
18.8%	Entry:
(dry weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 18.8% Dry 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 }				11.6 mg/kg	1.32	12.892 mg/kg	0.00129 %	✓	
		033-003-00-0	215-481-4	1327-53-3							
2		cadmium { cadmium oxide }									
		048-002-00-0	215-146-2	1306-19-0							
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				56.6 mg/kg	2.27	108.15 mg/kg	0.0108 %	✓	
		024-017-00-8									
4		copper { dicopper oxide; copper (I) oxide }									
		029-002-00-X	215-270-7	1317-39-1							
5		lead { lead chromate }				16 mg/kg	1.56	21.008 mg/kg	0.00135 %	✓	
		082-004-00-2	231-846-0	7758-97-6							
6		mercury { mercury dichloride }									
		080-010-00-X	231-299-8	7487-94-7							
7		nickel { nickel chromate }				41.3 mg/kg	2.976	103.468 mg/kg	0.0103 %	✓	
		028-035-00-7	238-766-5	14721-18-7							
8		selenium { nickel selenate }									
		028-031-00-5	239-125-2	15060-62-5							
9		zinc { zinc chromate }				80 mg/kg	2.774	186.811 mg/kg	0.0187 %	✓	
		024-007-00-3	236-878-9	13530-65-9							
10		pH									
				PH							
11		naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3							
12		acenaphthylene									
			205-917-1	208-96-8							
13		acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9							
14		fluorene									
			201-695-5	86-73-7							
15		phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8							
16		anthracene									
			204-371-1	120-12-7							
17		fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	pyrene	204-927-3	129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	benzo[a]anthracene	601-033-00-9	200-280-6		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
20	chrysene	601-048-00-0	205-923-4		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
21	benzo[b]fluoranthene	601-034-00-4	205-911-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
23	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
24	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
26	benzo[ghi]perylene	205-883-8	191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
Total:								0.0452 %		

Key

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

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

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

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

Description/Comments:

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

Reason for additional Hazards Statement(s):

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

pH (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 21 Aug 2015

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

pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014

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

Data source date: 21 Aug 2015

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

▪ **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Carc. 2; H351

▪ **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015

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

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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 (edit as required)

cadmium {cadmium oxide}

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

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

Worst case species based on hazard statements/molecular weight (edit as required)

copper {dicopper oxide; copper (I) oxide}

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

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2023.178.5649.10417 (27 Jun 2023)

HazWasteOnline Database: 2023.178.5649.10417 (27 Jun 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



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)



G3TQL-CW250-DCJID

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

Job name

EMT-23-9034-Batch-2-202306221553

Description/Comments

Project

TE1750

Site

Bryn Lane, Wrexham Detailed Planning

Classified by

Name:

Adrian Read

Date:

03 Jul 2023 07:02 GMT

Telephone:

01925 818388

Company:

Tier Environmental

Suite 414

Chadwick House

Warrington

WA3 6AE

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

CERTIFIED

Course

Hazardous Waste Classification

Date

03 Dec 2020

Next 3 year Refresher due by Dec 2023

Purpose of classification

2 - Material Characterisation

Address of the waste

Bryn Lane Wrexham

Post Code LL13 9XW

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Proposed redevelopment of land

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

Waste created during excavation of soils during development

Description of the waste

Made ground and/or natural soils



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP104-06/06/2023-0.10m		Non Hazardous		3
2	TP105-06/06/2023-0.30m		Non Hazardous		6
3	TP106-06/06/2023-0.15m		Potentially Hazardous	HP 3(i)	9
4	TP107-06/06/2023-0.10m		Potentially Hazardous	HP 3(i)	11
5	TP108-06/06/2023-0.30m		Potentially Hazardous	HP 3(i)	15
6	TP109-07/06/2023-0.15m		Non Hazardous		19
7	TP110-08/06/2023-0.50m		Non Hazardous		21
8	TP111-08/06/2023-0.10m		Non Hazardous		24
9	TP112-08/06/2023-0.20m		Potentially Hazardous	HP 3(i)	26
10	TP114-08/06/2023-0.05m		Non Hazardous		30
11	TP116-08/06/2023-0.10m		Potentially Hazardous	HP 3(i)	33
12	TP117-08/06/2023-0.20m		Potentially Hazardous	HP 3(i)	37
13	TP117-08/06/2023-0.40m		Potentially Hazardous	HP 3(i), HP 3(iv)	39
14	TP118-08/06/2023-1.00m		Potentially Hazardous	HP 3(i)	46
15	TP118-08/06/2023-1.70m		Potentially Hazardous	HP 3(i), HP 3(iv)	49

Related documents

#	Name	Description
1	EMT-23-9034-Batch-2-202306221553.HWOL	Element .hwol file used to populate the Job
2	Example waste stream template for contaminated soils	waste stream template used to create this Job

Report

Created by: Adrian Read

Created date: 03 Jul 2023 07:02 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	55
Appendix B: Rationale for selection of metal species	59
Appendix C: Version	59

Classification of sample: TP104-06/06/2023-0.10m

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

Sample details

Sample name:	LoW Code:
TP104-06/06/2023-0.10m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
27%	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
(dry weight correction)	Entry:

Hazard properties

None identified

Determinands

Moisture content: 27% Dry 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 }				10.5	mg/kg	1.32	10.916	mg/kg	0.00109 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				53.6	mg/kg	2.27	95.805	mg/kg	0.00958 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	18.617	mg/kg	0.00186 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	36	mg/kg	1.56	44.215	mg/kg	0.00283 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				0.1	mg/kg	1.353	0.107	mg/kg	0.0000107 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				29.6	mg/kg	2.976	69.368	mg/kg	0.00694 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				1	mg/kg	2.554	2.011	mg/kg	0.000201 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				102	mg/kg	2.774	222.805	mg/kg	0.0223 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	TPH (C6 to C40) petroleum group				<52	mg/kg		<52	mg/kg	<0.0052 %		<LOD
			TPH									
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
13	toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
14	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
15	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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							
16	pH		PH		6.86 pH		6.86 pH	6.86 pH		
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7							
21	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
22	anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7							
23	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
24	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
25	benzo[a]anthracene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-883-8	191-24-2							
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7							
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9							
35	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0							
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6							
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6							
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2							
39	chlorpyrifos-methyl (ISO);, O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-186-00-9	227-011-5	5598-13-0							
40	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-040-00-4	206-373-8	333-41-5							
41	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-051-00-4	200-480-3	60-51-5							

#	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							
42	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-047-00-2	209-242-3	563-12-2							
43	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2							
44	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-122-00-X	253-855-9	38260-54-7							
45	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-054-00-0	204-524-2	122-14-5							
46	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-048-00-8	200-231-9	55-38-9							
47	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-041-00-X	204-497-7	121-75-5							
48	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-035-00-7	206-050-1	298-00-0							
49	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-020-00-5	232-095-1	7786-34-7							
50	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0							
51	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7							
52	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	31218-83-4							
53	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-140-00-8	245-986-5	24017-47-8							
54	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-060-00-3	206-054-3	298-04-4							
Total:								0.0501 %		

Key

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

Classification of sample: TP105-06/06/2023-0.30m

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

Sample details

Sample name:	LoW Code:
TP105-06/06/2023-0.30m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
19.1% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 19.1% Dry 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 }				10.3 mg/kg	1.32	11.418 mg/kg	0.00114 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				50.7 mg/kg	2.27	96.632 mg/kg	0.00966 %	✓		
	024-017-00-8										
4	copper { dicopper oxide; copper (I) oxide }				24 mg/kg	1.126	22.688 mg/kg	0.00227 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
5	lead { lead chromate }			1	40 mg/kg	1.56	52.387 mg/kg	0.00336 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
6	mercury { mercury dichloride }				0.3 mg/kg	1.353	0.341 mg/kg	0.0000341 %	✓		
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel chromate }				30.1 mg/kg	2.976	75.219 mg/kg	0.00752 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
8	selenium { nickel selenate }				2 mg/kg	2.554	4.289 mg/kg	0.000429 %	✓		
	028-031-00-5	239-125-2	15060-62-5								
9	zinc { zinc chromate }				110 mg/kg	2.774	256.218 mg/kg	0.0256 %	✓		
	024-007-00-3	236-878-9	13530-65-9								
10	TPH (C6 to C40) petroleum group				<52 mg/kg		<52 mg/kg	<0.0052 %			<LOD
			TPH								
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								
12	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
13	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
14	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
15	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<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									
16	pH		PH		6.67	pH		6.67	pH	6.67 pH		
17	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
18	acenaphthylene		205-917-1	208-96-8	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
19	acenaphthene		201-469-6	83-32-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene		201-695-5	86-73-7	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
21	phenanthrene		201-581-5	85-01-8	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
22	anthracene		204-371-1	120-12-7	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23	fluoranthene		205-912-4	206-44-0	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	pyrene		204-927-3	129-00-0	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
25	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
26	chrysene	601-048-00-0	205-923-4	218-01-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
27	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
29	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
30	indeno[123-cd]pyrene		205-893-2	193-39-5	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
31	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	benzo[ghi]perylene		205-883-8	191-24-2	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate	015-019-00-X	200-547-7	62-73-7	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
35	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate	015-044-00-6	212-324-1	786-19-6	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
39	chlorpyrifos-methyl (ISO); O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-186-00-9	227-011-5	5598-13-0	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
40	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate	015-040-00-4	206-373-8	333-41-5	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
41	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate	015-051-00-4	200-480-3	60-51-5	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#	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							
42	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion 015-047-00-2	209-242-3	563-12-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
43	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate 015-034-00-1	200-271-7	56-38-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
44	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate 015-122-00-X	253-855-9	38260-54-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate 015-054-00-0	204-524-2	122-14-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
46	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate 015-048-00-8	200-231-9	55-38-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
47	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion] 015-041-00-X	204-497-7	121-75-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
48	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate 015-035-00-7	206-050-1	298-00-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
49	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate 015-020-00-5	232-095-1	7786-34-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
50	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate 015-067-00-1	218-996-2	2310-17-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
51	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate 015-134-00-5	249-528-5	29232-93-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
52	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO) 015-136-00-6	250-517-2	31218-83-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
53	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate 015-140-00-8	245-986-5	24017-47-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
54	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate 015-060-00-3	206-054-3	298-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.0553 %		

Key

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

Classification of sample: TP106-06/06/2023-0.15m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP106-06/06/2023-0.15m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
18.5%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0234%)

Determinands

Moisture content: 18.5% Dry 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 }				10.1	mg/kg	1.32	11.253	mg/kg	0.00113 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				45.4	mg/kg	2.27	86.969	mg/kg	0.0087 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	22.803	mg/kg	0.00228 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	50	mg/kg	1.56	65.815	mg/kg	0.00422 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				28.5	mg/kg	2.976	71.581	mg/kg	0.00716 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				1	mg/kg	2.554	2.155	mg/kg	0.000216 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				109	mg/kg	2.774	255.175	mg/kg	0.0255 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	TPH (C6 to C40) petroleum group		TPH		277	mg/kg		233.755	mg/kg	0.0234 %	✓	
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
13	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
14	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
15	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
16	pH		PH		6.55 pH		6.55 pH	6.55 pH		
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7							
21	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
22	anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7							
23	fluoranthene				0.04 mg/kg		0.0338 mg/kg	0.00000338 %	✓	
		205-912-4	206-44-0							
24	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
25	benzo[a]anthracene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				0.04 mg/kg		0.0338 mg/kg	0.00000338 %	✓	
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-883-8	191-24-2							
Total:								0.0727 %		

Key

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

Classification of sample: TP107-06/06/2023-0.10m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP107-06/06/2023-0.10m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
21.8%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00583%)

Determinands

Moisture content: 21.8% Dry Weight Moisture Correction applied (MC)

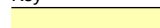
#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				10.6	mg/kg	1.32	11.491	mg/kg	0.00115 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				49.1	mg/kg	2.27	91.508	mg/kg	0.00915 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	22.185	mg/kg	0.00222 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	69	mg/kg	1.56	88.364	mg/kg	0.00567 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				0.2	mg/kg	1.353	0.222	mg/kg	0.0000222 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				26.9	mg/kg	2.976	65.732	mg/kg	0.00657 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				112	mg/kg	2.774	255.094	mg/kg	0.0255 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	TPH (C6 to C40) petroleum group		TPH		71	mg/kg		58.292	mg/kg	0.00583 %	✓	
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
13	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
14	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
15	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	pH PH				6.71 pH		6.71 pH	6.71 pH		
17	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
18	acenaphthylene 205-917-1	208-96-8			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5	86-73-7			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
21	phenanthrene 201-581-5	85-01-8			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
22	anthracene 204-371-1	120-12-7			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
23	fluoranthene 205-912-4	206-44-0			0.04 mg/kg		0.0328 mg/kg	0.00000328 %	✓	
24	pyrene 204-927-3	129-00-0			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
25	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
26	chrysene 601-048-00-0	205-923-4	218-01-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
27	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
29	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
30	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
31	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	benzo[ghi]perylene 205-883-8	191-24-2			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate 015-019-00-X	200-547-7	62-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate 015-056-00-1	220-147-6	2642-71-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
35	azinphos-methyl (ISO); O,O-dimethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate 015-039-00-9	201-676-1	86-50-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate 015-044-00-6	212-324-1	786-19-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate 015-071-00-3	207-432-0	470-90-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate 015-084-00-4	220-864-4	2921-88-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	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							
39	chlorpyrifos-methyl (ISO);, O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-186-00-9	227-011-5	5598-13-0							
40	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-040-00-4	206-373-8	333-41-5							
41	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-051-00-4	200-480-3	60-51-5							
42	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-047-00-2	209-242-3	563-12-2							
43	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2							
44	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-122-00-X	253-855-9	38260-54-7							
45	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-054-00-0	204-524-2	122-14-5							
46	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-048-00-8	200-231-9	55-38-9							
47	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-041-00-X	204-497-7	121-75-5							
48	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-035-00-7	206-050-1	298-00-0							
49	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-020-00-5	232-095-1	7786-34-7							
50	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0							
51	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7							
52	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	31218-83-4							
53	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-140-00-8	245-986-5	24017-47-8							
54	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-060-00-3	206-054-3	298-04-4							
Total:								0.0565 %		



Key

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

Classification of sample: TP108-06/06/2023-0.30m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP108-06/06/2023-0.30m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
15.3%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.021%)

Determinands

Moisture content: 15.3% Dry 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	13.741 mg/kg	0.00137 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				53.7 mg/kg	2.27	105.723 mg/kg	0.0106 %	✓		
	024-017-00-8										
4	copper { dicopper oxide; copper (I) oxide }				21 mg/kg	1.126	20.506 mg/kg	0.00205 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
5	lead { lead chromate }			1	45 mg/kg	1.56	60.877 mg/kg	0.0039 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
6	mercury { mercury dichloride }				0.2 mg/kg	1.353	0.235 mg/kg	0.0000235 %	✓		
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel chromate }				33.7 mg/kg	2.976	86.991 mg/kg	0.0087 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
8	selenium { nickel selenate }				1 mg/kg	2.554	2.215 mg/kg	0.000221 %	✓		
	028-031-00-5	239-125-2	15060-62-5								
9	zinc { zinc chromate }				103 mg/kg	2.774	247.821 mg/kg	0.0248 %	✓		
	024-007-00-3	236-878-9	13530-65-9								
10	TPH (C6 to C40) petroleum group		TPH		242 mg/kg		209.887 mg/kg	0.021 %	✓		
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								
12	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								

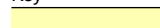
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
13	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
14	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
15	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
16	pH		PH		7.56 pH		7.56 pH	7.56 pH		
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7							
21	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
22	anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7							
23	fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
24	pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
25	benzo[a]anthracene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-883-8	191-24-2							
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7							
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9							
35	azinphos-methyl (ISO); O,O-dimethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0							
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6							
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6							
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
39	chlorpyrifos-methyl (ISO);, O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-186-00-9	227-011-5	5598-13-0							
40	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-040-00-4	206-373-8	333-41-5							
41	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-051-00-4	200-480-3	60-51-5							
42	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-047-00-2	209-242-3	563-12-2							
43	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2							
44	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-122-00-X	253-855-9	38260-54-7							
45	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-054-00-0	204-524-2	122-14-5							
46	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-048-00-8	200-231-9	55-38-9							
47	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-041-00-X	204-497-7	121-75-5							
48	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-035-00-7	206-050-1	298-00-0							
49	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-020-00-5	232-095-1	7786-34-7							
50	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0							
51	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7							
52	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	31218-83-4							
53	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-140-00-8	245-986-5	24017-47-8							
54	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-060-00-3	206-054-3	298-04-4							
Total:								0.0727 %		



Key

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

Classification of sample: TP109-07/06/2023-0.15m

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

Sample details

Sample name:	LoW Code:
TP109-07/06/2023-0.15m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
12.2%	Entry:
(dry weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 12.2% Dry 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 }				11.6 mg/kg	1.32	13.65 mg/kg	0.00137 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				57.7 mg/kg	2.27	116.737 mg/kg	0.0117 %	✓		
		024-017-00-8										
4		copper { dicopper oxide ; copper (I) oxide }				21 mg/kg	1.126	21.073 mg/kg	0.00211 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
5		lead { lead chromate }			1	49 mg/kg	1.56	68.12 mg/kg	0.00437 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
6		mercury { mercury dichloride }				0.2 mg/kg	1.353	0.241 mg/kg	0.0000241 %	✓		
		080-010-00-X	231-299-8	7487-94-7								
7		nickel { nickel chromate }				32.5 mg/kg	2.976	86.211 mg/kg	0.00862 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
8		selenium { nickel selenate }				1 mg/kg	2.554	2.276 mg/kg	0.000228 %	✓		
		028-031-00-5	239-125-2	15060-62-5								
9		zinc { zinc chromate }				106 mg/kg	2.774	262.085 mg/kg	0.0262 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
10		TPH (C6 to C40) petroleum group				<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD	
				TPH								
11		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								
12		benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-020-00-8	200-753-7	71-43-2								
13		toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-021-00-3	203-625-9	108-88-3								
14		ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-023-00-4	202-849-4	100-41-4								
15		xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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							
16	• pH		PH		7.38 pH		7.38 pH	7.38 pH		
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	• acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
19	• acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	• fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7							
21	• phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
22	• anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7							
23	• fluoranthene				0.08 mg/kg		0.0713 mg/kg	0.00000713 %	✓	
		205-912-4	206-44-0							
24	• pyrene				0.07 mg/kg		0.0624 mg/kg	0.00000624 %	✓	
		204-927-3	129-00-0							
25	benzo[a]anthracene				0.08 mg/kg		0.0713 mg/kg	0.00000713 %	✓	
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				0.04 mg/kg		0.0357 mg/kg	0.00000357 %	✓	
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				0.06 mg/kg		0.0535 mg/kg	0.00000535 %	✓	
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				0.03 mg/kg		0.0267 mg/kg	0.00000267 %	✓	
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				0.06 mg/kg		0.0535 mg/kg	0.00000535 %	✓	
	601-032-00-3	200-028-5	50-32-8							
30	• indeno[123-cd]pyrene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	• benzo[ghi]perylene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-883-8	191-24-2							
Total:								0.0599 %		

Key

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

Classification of sample: TP110-08/06/2023-0.50m

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

Sample details

Sample name:	LoW Code:
TP110-08/06/2023-0.50m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
15.1% (dry weight correction)	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 15.1% Dry 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 }				10.6	mg/kg	1.32	12.159	mg/kg	0.00122 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				50	mg/kg	2.27	98.61	mg/kg	0.00986 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	23.476	mg/kg	0.00235 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	13	mg/kg	1.56	17.617	mg/kg	0.00113 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				0.1	mg/kg	1.353	0.118	mg/kg	0.0000118 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				44	mg/kg	2.976	113.776	mg/kg	0.0114 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				1	mg/kg	2.554	2.219	mg/kg	0.000222 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				75	mg/kg	2.774	180.765	mg/kg	0.0181 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	TPH (C6 to C40) petroleum group				<52	mg/kg		<52	mg/kg	<0.0052 %		<LOD
			TPH									
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
13	toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
14	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
15	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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							
16	pH		PH		8.39 pH		8.39 pH	8.39 pH		
17	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
18	acenaphthylene		205-917-1	208-96-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	acenaphthene		201-469-6	83-32-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	fluorene		201-695-5	86-73-7	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
21	phenanthrene		201-581-5	85-01-8	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
22	anthracene		204-371-1	120-12-7	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
23	fluoranthene		205-912-4	206-44-0	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	pyrene		204-927-3	129-00-0	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
25	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
26	chrysene	601-048-00-0	205-923-4	218-01-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
27	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
29	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
30	indeno[123-cd]pyrene		205-893-2	193-39-5	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
31	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	benzo[ghi]perylene		205-883-8	191-24-2	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate	015-019-00-X	200-547-7	62-73-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
35	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate	015-044-00-6	212-324-1	786-19-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	chlorpyrifos-methyl (ISO);, O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-186-00-9	227-011-5	5598-13-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
40	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate	015-040-00-4	206-373-8	333-41-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
41	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate	015-051-00-4	200-480-3	60-51-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	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							
42	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-047-00-2	209-242-3	563-12-2							
43	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2							
44	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-122-00-X	253-855-9	38260-54-7							
45	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-054-00-0	204-524-2	122-14-5							
46	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-048-00-8	200-231-9	55-38-9							
47	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-041-00-X	204-497-7	121-75-5							
48	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-035-00-7	206-050-1	298-00-0							
49	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-020-00-5	232-095-1	7786-34-7							
50	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0							
51	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7							
52	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	31218-83-4							
53	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-140-00-8	245-986-5	24017-47-8							
54	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-060-00-3	206-054-3	298-04-4							
Total:								0.0495 %		

Key

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

Classification of sample: TP111-08/06/2023-0.10m

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

Sample details

Sample name:	LoW Code:
TP111-08/06/2023-0.10m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11.8% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 11.8% Dry 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 }				10.6	mg/kg	1.32	12.518	mg/kg	0.00125 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				53	mg/kg	2.27	107.612	mg/kg	0.0108 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	20.141	mg/kg	0.00201 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	59	mg/kg	1.56	82.316	mg/kg	0.00528 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.363	mg/kg	0.0000363 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				26.2	mg/kg	2.976	69.748	mg/kg	0.00697 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				1	mg/kg	2.554	2.284	mg/kg	0.000228 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				94	mg/kg	2.774	233.247	mg/kg	0.0233 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	TPH (C6 to C40) petroleum group				<52	mg/kg		<52	mg/kg	<0.0052 %		<LOD
			TPH									
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
13	toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
14	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
15	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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								
16	• pH				6.82 pH		6.82 pH	6.82 pH			
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
18	• acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		205-917-1	208-96-8								
19	• acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-469-6	83-32-9								
20	• fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
		201-695-5	86-73-7								
21	• phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		201-581-5	85-01-8								
22	• anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
		204-371-1	120-12-7								
23	• fluoranthene				0.06 mg/kg		0.0537 mg/kg	0.00000537 %		✓	
		205-912-4	206-44-0								
24	• pyrene				0.04 mg/kg		0.0358 mg/kg	0.00000358 %		✓	
		204-927-3	129-00-0								
25	benzo[a]anthracene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
26	chrysene				0.03 mg/kg		0.0268 mg/kg	0.00000268 %		✓	
	601-048-00-0	205-923-4	218-01-9								
27	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
28	benzo[k]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
29	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
30	• indeno[123-cd]pyrene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
		205-893-2	193-39-5								
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
32	• benzo[ghi]perylene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
		205-883-8	191-24-2								
Total:									0.0551 %		

Key

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

Classification of sample: TP112-08/06/2023-0.20m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP112-08/06/2023-0.20m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
12.7%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0246%)

Determinands

Moisture content: 12.7% Dry 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 }				9.5 mg/kg	1.32	11.13	mg/kg	0.00111 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				50.9 mg/kg	2.27	102.523	mg/kg	0.0103 %	✓	
	024-017-00-8										
4	copper { dicopper oxide; copper (I) oxide }				21 mg/kg	1.126	20.979	mg/kg	0.0021 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
5	lead { lead chromate }			1	54 mg/kg	1.56	74.738	mg/kg	0.00479 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
6	mercury { mercury dichloride }				0.1 mg/kg	1.353	0.12	mg/kg	0.000012 %	✓	
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel chromate }				24.8 mg/kg	2.976	65.494	mg/kg	0.00655 %	✓	
	028-035-00-7	238-766-5	14721-18-7								
8	selenium { nickel selenate }				1 mg/kg	2.554	2.266	mg/kg	0.000227 %	✓	
	028-031-00-5	239-125-2	15060-62-5								
9	zinc { zinc chromate }				87 mg/kg	2.774	214.153	mg/kg	0.0214 %	✓	
	024-007-00-3	236-878-9	13530-65-9								
10	TPH (C6 to C40) petroleum group		TPH		277 mg/kg		245.785	mg/kg	0.0246 %	✓	
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4								
12	benzene				<0.005 mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
13	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
14	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
15	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
16	pH				6.86 pH		6.86 pH	6.86 pH		
			PH							
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7							
21	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
22	anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7							
23	fluoranthene				0.06 mg/kg		0.0532 mg/kg	0.00000532 %	✓	
		205-912-4	206-44-0							
24	pyrene				0.05 mg/kg		0.0444 mg/kg	0.00000444 %	✓	
		204-927-3	129-00-0							
25	benzo[a]anthracene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				0.05 mg/kg		0.0444 mg/kg	0.00000444 %	✓	
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-883-8	191-24-2							
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7							
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9							
35	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0							
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6							
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6							
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2							



#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value		MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number										
39		chlorpyrifos-methyl (ISO);, O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-186-00-9	227-011-5	5598-13-0										
40		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-040-00-4	206-373-8	333-41-5										
41		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-051-00-4	200-480-3	60-51-5										
42		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-047-00-2	209-242-3	563-12-2										
43		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-034-00-1	200-271-7	56-38-2										
44		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-122-00-X	253-855-9	38260-54-7										
45		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-054-00-0	204-524-2	122-14-5										
46		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-048-00-8	200-231-9	55-38-9										
47		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-041-00-X	204-497-7	121-75-5										
48		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-035-00-7	206-050-1	298-00-0										
49		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-020-00-5	232-095-1	7786-34-7										
50		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-067-00-1	218-996-2	2310-17-0										
51		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-134-00-5	249-528-5	29232-93-7										
52		trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-136-00-6	250-517-2	31218-83-4										
53		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-140-00-8	245-986-5	24017-47-8										
54		disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-060-00-3	206-054-3	298-04-4										
Total:											0.0711 %			



Key

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

Classification of sample: TP114-08/06/2023-0.05m

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

Sample details

Sample name:	LoW Code:
TP114-08/06/2023-0.05m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15.4% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 15.4% Dry 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 }				10.9 mg/kg	1.32	12.471 mg/kg	0.00125 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
3		chromium in chromium(VI) compounds { chromium (VI) compounds , with the exception of barium chromate and of compounds specified elsewhere in this Annex }				45.7 mg/kg	2.27	89.895 mg/kg	0.00899 %	✓		
		024-017-00-8										
4		copper { dicopper oxide ; copper (I) oxide }				18 mg/kg	1.126	17.562 mg/kg	0.00176 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
5		lead { lead chromate }			1	47 mg/kg	1.56	63.528 mg/kg	0.00407 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
6		mercury { mercury dichloride }				0.2 mg/kg	1.353	0.235 mg/kg	0.0000235 %	✓		
		080-010-00-X	231-299-8	7487-94-7								
7		nickel { nickel chromate }				24.9 mg/kg	2.976	64.219 mg/kg	0.00642 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
8		selenium { nickel selenate }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD	
		028-031-00-5	239-125-2	15060-62-5								
9		zinc { zinc chromate }				94 mg/kg	2.774	225.97 mg/kg	0.0226 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
10		TPH (C6 to C40) petroleum group				<52 mg/kg		<52 mg/kg	<0.0052 %		<LOD	
				TPH								
11		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								
12		benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-020-00-8	200-753-7	71-43-2								
13		toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-021-00-3	203-625-9	108-88-3								
14		ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD	
		601-023-00-4	202-849-4	100-41-4								
15		xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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									
16	pH		PH		6.55	pH		6.55	pH	6.55 pH		
17	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
18	acenaphthylene		205-917-1	208-96-8	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
19	acenaphthene		201-469-6	83-32-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene		201-695-5	86-73-7	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
21	phenanthrene		201-581-5	85-01-8	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
22	anthracene		204-371-1	120-12-7	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23	fluoranthene		205-912-4	206-44-0	0.06	mg/kg		0.052	mg/kg	0.0000052 %	✓	
24	pyrene		204-927-3	129-00-0	0.05	mg/kg		0.0433	mg/kg	0.00000433 %	✓	
25	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
26	chrysene	601-048-00-0	205-923-4	218-01-9	0.03	mg/kg		0.026	mg/kg	0.0000026 %	✓	
27	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
29	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
30	indeno[123-cd]pyrene		205-893-2	193-39-5	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
31	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	benzo[ghi]perylene		205-883-8	191-24-2	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate	015-019-00-X	200-547-7	62-73-7	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
35	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate	015-044-00-6	212-324-1	786-19-6	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
39	chlorpyrifos-methyl (ISO); O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-186-00-9	227-011-5	5598-13-0	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
40	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate	015-040-00-4	206-373-8	333-41-5	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
41	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate	015-051-00-4	200-480-3	60-51-5	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#	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							
42	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion 015-047-00-2	209-242-3	563-12-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
43	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate 015-034-00-1	200-271-7	56-38-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
44	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate 015-122-00-X	253-855-9	38260-54-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate 015-054-00-0	204-524-2	122-14-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
46	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate 015-048-00-8	200-231-9	55-38-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
47	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion] 015-041-00-X	204-497-7	121-75-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
48	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate 015-035-00-7	206-050-1	298-00-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
49	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate 015-020-00-5	232-095-1	7786-34-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
50	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate 015-067-00-1	218-996-2	2310-17-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
51	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate 015-134-00-5	249-528-5	29232-93-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
52	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO) 015-136-00-6	250-517-2	31218-83-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
53	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate 015-140-00-8	245-986-5	24017-47-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
54	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate 015-060-00-3	206-054-3	298-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.0507 %		

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

Classification of sample: TP116-08/06/2023-0.10m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP116-08/06/2023-0.10m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
58.1%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00879%)

Determinands

Moisture content: 58.1% Dry 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 }				9.3	mg/kg	1.32	7.767	mg/kg	0.000777 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				48.2	mg/kg	2.27	69.206	mg/kg	0.00692 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	16.379	mg/kg	0.00164 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	48	mg/kg	1.56	47.357	mg/kg	0.00304 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				0.1	mg/kg	1.353	0.0856	mg/kg	0.00000856 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				27.2	mg/kg	2.976	51.205	mg/kg	0.00512 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				107	mg/kg	2.774	187.751	mg/kg	0.0188 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	TPH (C6 to C40) petroleum group		TPH		139	mg/kg		87.919	mg/kg	0.00879 %	✓	
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									

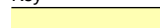
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
13	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
14	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
15	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
16	pH		PH		5.96 pH		5.96 pH	5.96 pH		
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7							
21	phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
22	anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7							
23	fluoranthene				0.11 mg/kg		0.0696 mg/kg	0.00000696 %	✓	
		205-912-4	206-44-0							
24	pyrene				0.09 mg/kg		0.0569 mg/kg	0.00000569 %	✓	
		204-927-3	129-00-0							
25	benzo[a]anthracene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				0.08 mg/kg		0.0506 mg/kg	0.00000506 %	✓	
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				0.09 mg/kg		0.0569 mg/kg	0.00000569 %	✓	
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				0.04 mg/kg		0.0253 mg/kg	0.00000253 %	✓	
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				0.08 mg/kg		0.0506 mg/kg	0.00000506 %	✓	
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-883-8	191-24-2							
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7							
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9							
35	azinphos-methyl (ISO); O,O-dimethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0							
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6							
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6							
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2							



#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
39		chlorpyrifos-methyl (ISO);, O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-186-00-9	227-011-5	5598-13-0									
40		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-040-00-4	206-373-8	333-41-5									
41		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-051-00-4	200-480-3	60-51-5									
42		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-047-00-2	209-242-3	563-12-2									
43		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-034-00-1	200-271-7	56-38-2									
44		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-122-00-X	253-855-9	38260-54-7									
45		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-054-00-0	204-524-2	122-14-5									
46		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-048-00-8	200-231-9	55-38-9									
47		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-041-00-X	204-497-7	121-75-5									
48		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-035-00-7	206-050-1	298-00-0									
49		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-020-00-5	232-095-1	7786-34-7									
50		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-067-00-1	218-996-2	2310-17-0									
51		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-134-00-5	249-528-5	29232-93-7									
52		trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-136-00-6	250-517-2	31218-83-4									
53		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-140-00-8	245-986-5	24017-47-8									
54		disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-060-00-3	206-054-3	298-04-4									
Total:											0.0454 %		



Key

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

Classification of sample: TP117-08/06/2023-0.20m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP117-08/06/2023-0.20m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
9.7%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0357%)

Determinands

Moisture content: 9.7% Dry 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 }				9.7	mg/kg	1.32	11.675	mg/kg	0.00117 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.312	mg/kg	0.0000312 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				47.5	mg/kg	2.27	98.291	mg/kg	0.00983 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	25.658	mg/kg	0.00257 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	104	mg/kg	1.56	147.877	mg/kg	0.00948 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				0.2	mg/kg	1.353	0.247	mg/kg	0.0000247 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				26.7	mg/kg	2.976	72.44	mg/kg	0.00724 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				242	mg/kg	2.774	611.981	mg/kg	0.0612 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	TPH (C6 to C40) petroleum group		TPH		392	mg/kg		357.338	mg/kg	0.0357 %	✓	
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
13	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
14	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
15	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
16	pH		PH		8.08 pH		8.08 pH	8.08 pH		
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				0.11 mg/kg		0.1 mg/kg	0.00001 %	✓	
		205-917-1	208-96-8							
19	acenaphthene				0.21 mg/kg		0.191 mg/kg	0.0000191 %	✓	
		201-469-6	83-32-9							
20	fluorene				0.14 mg/kg		0.128 mg/kg	0.0000128 %	✓	
		201-695-5	86-73-7							
21	phenanthrene				2.18 mg/kg		1.987 mg/kg	0.000199 %	✓	
		201-581-5	85-01-8							
22	anthracene				0.78 mg/kg		0.711 mg/kg	0.0000711 %	✓	
		204-371-1	120-12-7							
23	fluoranthene				5.04 mg/kg		4.594 mg/kg	0.000459 %	✓	
		205-912-4	206-44-0							
24	pyrene				4.3 mg/kg		3.92 mg/kg	0.000392 %	✓	
		204-927-3	129-00-0							
25	benzo[a]anthracene				2.51 mg/kg		2.288 mg/kg	0.000229 %	✓	
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				2.17 mg/kg		1.978 mg/kg	0.000198 %	✓	
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				2.61 mg/kg		2.379 mg/kg	0.000238 %	✓	
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				1.02 mg/kg		0.93 mg/kg	0.000093 %	✓	
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				2.28 mg/kg		2.078 mg/kg	0.000208 %	✓	
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				1.51 mg/kg		1.376 mg/kg	0.000138 %	✓	
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				0.27 mg/kg		0.246 mg/kg	0.0000246 %	✓	
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				1.43 mg/kg		1.304 mg/kg	0.00013 %	✓	
		205-883-8	191-24-2							
Total:								0.13 %		

Key

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

Classification of sample: TP117-08/06/2023-0.40m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP117-08/06/2023-0.40m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
109.6%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0234%)

HP 3(iv): Flammable "flammable gaseous waste: gaseous waste which is flammable in air at 20°C and a standard pressure of 101.3 kPa"

Hazard Statements hit:

Flam. Gas 1; H220 "Extremely flammable gas."

Because of determinand:

chloromethane; methyl chloride: (conc.: 8.11e-07%)

Determinands

Moisture content: 109.6% Dry 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 }				15.1	mg/kg	1.32	9.512	mg/kg	0.000951 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				0.6	mg/kg	1.142	0.327	mg/kg	0.0000327 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				23.6	mg/kg	2.27	25.559	mg/kg	0.00256 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	11.28	mg/kg	0.00113 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	53	mg/kg	1.56	39.442	mg/kg	0.00253 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				18.6	mg/kg	2.976	26.412	mg/kg	0.00264 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				2	mg/kg	2.554	2.437	mg/kg	0.000244 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				110	mg/kg	2.774	145.59	mg/kg	0.0146 %	✓	
	024-007-00-3	236-878-9	13530-65-9									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
10	TPH (C6 to C40) petroleum group				491 mg/kg		234.256 mg/kg		0.0234 %	✓	
			TPH								
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002 mg/kg		<0.002 mg/kg		<0.0000002 %		<LOD
	603-181-00-X	216-653-1	1634-04-4								
12	benzene				<0.003 mg/kg		<0.003 mg/kg		<0.0000003 %		<LOD
	601-020-00-8	200-753-7	71-43-2								
13	toluene				<0.003 mg/kg		<0.003 mg/kg		<0.0000003 %		<LOD
	601-021-00-3	203-625-9	108-88-3								
14	ethylbenzene				<0.003 mg/kg		<0.003 mg/kg		<0.0000003 %		<LOD
	601-023-00-4	202-849-4	100-41-4								
15	xylene				<0.011 mg/kg		<0.011 mg/kg		<0.0000011 %		<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]								
16	pH				6.34 pH		6.34 pH		6.34 pH		
			PH								
17	naphthalene				<0.027 mg/kg		<0.027 mg/kg		<0.0000027 %		<LOD
	601-052-00-2	202-049-5	91-20-3								
18	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg		<0.000003 %		<LOD
		205-917-1	208-96-8								
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg		<0.000005 %		<LOD
		201-469-6	83-32-9								
20	fluorene				<0.04 mg/kg		<0.04 mg/kg		<0.000004 %		<LOD
		201-695-5	86-73-7								
21	phenanthrene				0.08 mg/kg		0.0382 mg/kg		0.00000382 %	✓	
		201-581-5	85-01-8								
22	anthracene				<0.04 mg/kg		<0.04 mg/kg		<0.000004 %		<LOD
		204-371-1	120-12-7								
23	fluoranthene				0.23 mg/kg		0.11 mg/kg		0.000011 %	✓	
		205-912-4	206-44-0								
24	pyrene				0.19 mg/kg		0.0906 mg/kg		0.00000906 %	✓	
		204-927-3	129-00-0								
25	benzo[a]anthracene				0.17 mg/kg		0.0811 mg/kg		0.00000811 %	✓	
	601-033-00-9	200-280-6	56-55-3								
26	chrysene				0.13 mg/kg		0.062 mg/kg		0.0000062 %	✓	
	601-048-00-0	205-923-4	218-01-9								
27	benzo[b]fluoranthene				0.17 mg/kg		0.0811 mg/kg		0.00000811 %	✓	
	601-034-00-4	205-911-9	205-99-2								
28	benzo[k]fluoranthene				0.06 mg/kg		0.0286 mg/kg		0.00000286 %	✓	
	601-036-00-5	205-916-6	207-08-9								
29	benzo[a]pyrene; benzo[def]chrysene				0.13 mg/kg		0.062 mg/kg		0.0000062 %	✓	
	601-032-00-3	200-028-5	50-32-8								
30	indeno[123-cd]pyrene				0.08 mg/kg		0.0382 mg/kg		0.00000382 %	✓	
		205-893-2	193-39-5								
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg		<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3								
32	benzo[ghi]perylene				0.08 mg/kg		0.0382 mg/kg		0.00000382 %	✓	
		205-883-8	191-24-2								
33	phenol				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	604-001-00-2	203-632-7	108-95-2								
34	1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.007 mg/kg		<0.007 mg/kg		<0.0000007 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3								
35	tetrachloroethylene				<0.003 mg/kg		<0.003 mg/kg		<0.0000003 %		<LOD
	602-028-00-4	204-825-9	127-18-4								
36	carbon tetrachloride; tetrachloromethane				<0.004 mg/kg		<0.004 mg/kg		<0.0000004 %		<LOD
	602-008-00-5	200-262-8	56-23-5								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
37	trichloroethylene; trichloroethene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
38	vinyl chloride; chloroethylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-023-00-7	200-831-0	75-01-4							
39	hexachlorobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-065-00-6	204-273-9	118-74-1							
40	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7							
41	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9							
42	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0							
43	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6							
44	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6							
45	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2							
46	chlorpyrifos-methyl (ISO); O,O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-186-00-9	227-011-5	5598-13-0							
47	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-040-00-4	206-373-8	333-41-5							
48	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-051-00-4	200-480-3	60-51-5							
49	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-047-00-2	209-242-3	563-12-2							
50	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2							
51	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-122-00-X	253-855-9	38260-54-7							
52	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-054-00-0	204-524-2	122-14-5							
53	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-048-00-8	200-231-9	55-38-9							
54	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-041-00-X	204-497-7	121-75-5							
55	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-035-00-7	206-050-1	298-00-0							
56	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-020-00-5	232-095-1	7786-34-7							
57	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0							

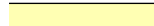
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
58	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7							
59	trans-isopropyl-3- [[[(ethylamino)methoxyphosphinothioyl]oxy]crotonate; isopropyl 3- [[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	81218-83-4							
60	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-140-00-8	245-986-5	24017-47-8							
61	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-060-00-3	206-054-3	298-04-4							
62	dichlorodifluoromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-893-9	75-71-8							
63	chloromethane; methyl chloride				0.017 mg/kg		0.0081 mg/kg	0.000000811 %	✓	
	602-001-00-7	200-817-4	74-87-3							
64	bromomethane; methylbromide				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
65	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
66	trichlorofluoromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-892-3	75-69-4							
67	1,1-dichloroethylene; vinylidene chloride				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
68	dichloromethane; methylene chloride				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
69	2,2-dichloropropane				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		209-832-0	594-20-7							
70	bromochloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		200-826-3	74-97-5							
71	chloroform; trichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
72	1,1,1-trichloroethane; methyl chloroform				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
73	1,1-dichloropropene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
74	1,2-dichloropropane; propylene dichloride				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
75	dibromomethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
76	bromodichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		200-856-7	75-27-4							
77	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
78	trans-1,3-dichloropropene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		431-460-4	10061-02-6							
79	1,1,2-trichloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
80	1,3-dichloropropane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		205-531-3	142-28-9							
81	dibromochloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		204-704-0	124-48-1							
82	1,2-dibromoethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-010-00-6	203-444-5	106-93-4							

#	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							
83	chlorobenzene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
84	1,1,1,2-tetrachloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		211-135-1	630-20-6							
85	bromoform; tribromomethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
86	1,1,2,2-tetrachloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-015-00-3	201-197-8	79-34-5							
87	bromobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
88	1,2,3-trichloropropane				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
89	mesitylene; 1,3,5-trimethylbenzene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
90	tert-butylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		202-632-4	98-06-6							
91	1,2,4-trimethylbenzene				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
92	sec-butylbenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		205-227-0	135-98-8							
93	4-isopropyltoluene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		202-796-7	99-87-6							
94	1,3-dichlorobenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-067-00-7	208-792-1	541-73-1							
95	1,4-dichlorobenzene; p-dichlorobenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-035-00-2	203-400-5	106-46-7							
96	n-butylbenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		203-209-7	104-51-8							
97	1,2-dichlorobenzene; o-dichlorobenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
98	1,2-dibromo-3-chloropropane				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
99	1,2,4-trichlorobenzene				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
100	hexachlorobutadiene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		201-765-5	87-68-3							
101	1,2,3-trichlorobenzene				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		201-757-1	87-61-6							
102	styrene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
103	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
104	2-nitrophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-857-5	88-75-5							
105	2,4-dichlorophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
106	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
107	2,4,5-trichlorophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-017-00-X	202-467-8	95-95-4							

#	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							
108	2,4,6-trichlorophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
109	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
110	4-nitrophenol; p-nitrophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
111	pentachlorophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
112	2-chloronaphthalene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		202-079-9	91-58-7							
113	2-methyl naphthalene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		202-078-3	91-57-6							
114	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
115	BBP; benzyl butyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
116	dibutyl phthalate; DBP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
117	di-n-octyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-214-7	117-84-0							
118	diethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-550-6	84-66-2							
119	dimethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-011-6	131-11-3							
120	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
121	2,6-dinitrotoluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
122	4-bromophenylphenylether				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		202-952-4	101-55-3							
123	4-chloroaniline				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
124	4-chlorophenylphenylether				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		230-281-7	7005-72-3							
125	azobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
126	bis(2-chloroethoxy)methane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		203-920-2	111-91-1							
127	bis(2-chloroethyl) ether				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	603-029-00-2	203-870-1	111-44-4							
128	carbazole				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-696-0	86-74-8							
129	dibenzofuran				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-071-3	132-64-9							
130	hexachlorocyclopentadiene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-078-00-7	201-029-3	77-47-4							
131	hexachloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		200-666-4	67-72-1							
132	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	606-012-00-8	201-126-0	78-59-1							
133	nitrosodipropylamine				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	612-098-00-8	210-698-0	621-64-7							
134	nitrobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-003-00-7	202-716-0	98-95-3							

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
135		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]									
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]		<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD	
136		cumene; [1] propylbenzene [2]									
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]		<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD	
137		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]									
	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD	
138		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]									
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD	
139		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]									
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD	
Total:									0.0483 %		

Key

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

Classification of sample: TP118-08/06/2023-1.00m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP118-08/06/2023-1.00m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
150%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0179%)

Determinands

Moisture content: 150% Dry 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	TPH (C6 to C40) petroleum group				448 mg/kg	179.2 mg/kg	0.0179 %	✓
			TPH					
2	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg	<0.005 mg/kg	<0.0000005 %	<LOD
	603-181-00-X	216-653-1	1634-04-4					
3	benzene				<0.005 mg/kg	<0.005 mg/kg	<0.0000005 %	<LOD
	601-020-00-8	200-753-7	71-43-2					
4	toluene				<0.005 mg/kg	<0.005 mg/kg	<0.0000005 %	<LOD
	601-021-00-3	203-625-9	108-88-3					
5	ethylbenzene				<0.005 mg/kg	<0.005 mg/kg	<0.0000005 %	<LOD
	601-023-00-4	202-849-4	100-41-4					
6	xylene				<0.01 mg/kg	<0.01 mg/kg	<0.000001 %	<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]					
7	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg	<0.01 mg/kg	<0.000001 %	<LOD
	015-019-00-X	200-547-7	62-73-7					
8	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg	<0.01 mg/kg	<0.000001 %	<LOD
	015-056-00-1	220-147-6	2642-71-9					
9	azinphos-methyl (ISO); O,O-dimethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg	<0.01 mg/kg	<0.000001 %	<LOD
	015-039-00-9	201-676-1	86-50-0					
10	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg	<0.01 mg/kg	<0.000001 %	<LOD
	015-044-00-6	212-324-1	786-19-6					



#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value		MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number										
11		chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-071-00-3	207-432-0	470-90-6										
12		chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-084-00-4	220-864-4	2921-88-2										
13		chlorpyrifos-methyl (ISO);, O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-186-00-9	227-011-5	5598-13-0										
14		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-040-00-4	206-373-8	333-41-5										
15		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-051-00-4	200-480-3	60-51-5										
16		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-047-00-2	209-242-3	563-12-2										
17		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-034-00-1	200-271-7	56-38-2										
18		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-122-00-X	253-855-9	38260-54-7										
19		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-054-00-0	204-524-2	122-14-5										
20		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-048-00-8	200-231-9	55-38-9										
21		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-041-00-X	204-497-7	121-75-5										
22		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-035-00-7	206-050-1	298-00-0										
23		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-020-00-5	232-095-1	7786-34-7										
24		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-067-00-1	218-996-2	2310-17-0										
25		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-134-00-5	249-528-5	29232-93-7										
26		trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-136-00-6	250-517-2	31218-83-4										
27		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-140-00-8	245-986-5	24017-47-8										
28		disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		015-060-00-3	206-054-3	298-04-4										
Total:											0.0179 %			



Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Potentially Hazardous result
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection

Classification of sample: TP118-08/06/2023-1.70m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP118-08/06/2023-1.70m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
159.3%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene: (conc.: 3.86e-07%)

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0227%)

HP 3(iv): Flammable "flammable gaseous waste: gaseous waste which is flammable in air at 20°C and a standard pressure of 101.3 kPa"

Hazard Statements hit:

Flam. Gas 1; H220 "Extremely flammable gas."

Because of determinand:

chloromethane; methyl chloride: (conc.: 5.01e-07%)

Determinands

Moisture content: 159.3% Dry 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 }				16.1	mg/kg	1.32	8.198	mg/kg	0.00082 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.22	mg/kg	0.000022 %	✓	
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				48.8	mg/kg	2.27	42.721	mg/kg	0.00427 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	9.118	mg/kg	0.000912 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	52	mg/kg	1.56	31.281	mg/kg	0.00201 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				35	mg/kg	2.976	40.173	mg/kg	0.00402 %	✓	
	028-035-00-7	238-766-5	14721-18-7									



#		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								
8	 selenium { nickel selenate }				1	mg/kg	2.554	0.985	mg/kg	0.0000985 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	 zinc { zinc chromate }				163	mg/kg	2.774	174.387	mg/kg	0.0174 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	 TPH (C6 to C40) petroleum group				589	mg/kg		227.15	mg/kg	0.0227 %	✓	
			TPH									
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
13	toluene				0.01	mg/kg		0.0038	mg/kg	0.000000386 %	✓	
	601-021-00-3	203-625-9	108-88-3									
14	 ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
15	xylene				<0.013	mg/kg		<0.013	mg/kg	<0.0000013 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
16	 pH				7.19	pH		7.19	pH	7.19 pH		
			PH									
17	naphthalene				<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
18	 acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8									
19	 acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
20	 fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7									
21	 phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8									
22	 anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7									
23	 fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0									
24	 pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0									
25	benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
26	chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
27	benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
28	benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
29	benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
30	 indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		205-893-2	193-39-5									
31	dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
32	 benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		205-883-8	191-24-2									
33	phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
34	 1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
35	tetrachloroethylene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
36	carbon tetrachloride; tetrachloromethane				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
37	trichloroethylene; trichloroethene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
38	vinyl chloride; chloroethylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-023-00-7	200-831-0	75-01-4							
39	hexachlorobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-065-00-6	204-273-9	118-74-1							
40	dichlorodifluoromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-893-9	75-71-8							
41	chloromethane; methyl chloride				0.013 mg/kg		0.005 mg/kg	0.000000501 %	✓	
	602-001-00-7	200-817-4	74-87-3							
42	bromomethane; methylbromide				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
43	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
44	trichlorofluoromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-892-3	75-69-4							
45	1,1-dichloroethylene; vinylidene chloride				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
46	dichloromethane; methylene chloride				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
47	2,2-dichloropropane				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		209-832-0	594-20-7							
48	bromochloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		200-826-3	74-97-5							
49	chloroform; trichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
50	1,1,1-trichloroethane; methyl chloroform				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
51	1,1-dichloropropene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
52	1,2-dichloropropane; propylene dichloride				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
53	dibromomethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
54	bromodichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		200-856-7	75-27-4							
55	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
56	trans-1,3-dichloropropene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		431-460-4	10061-02-6							
57	1,1,2-trichloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
58	1,3-dichloropropane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		205-531-3	142-28-9							
59	dibromochloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		204-704-0	124-48-1							
60	1,2-dibromoethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
61	chlorobenzene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
62	1,1,1,2-tetrachloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		211-135-1	630-20-6							
63	bromoform; tribromomethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-007-00-X	200-854-6	75-25-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
64	1,1,2,2-tetrachloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-015-00-3	201-197-8	79-34-5							
65	bromobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
66	1,2,3-trichloropropane				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
67	mesitylene; 1,3,5-trimethylbenzene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
68	tert-butylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		202-632-4	98-06-6							
69	1,2,4-trimethylbenzene				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
70	sec-butylbenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		205-227-0	135-98-8							
71	4-isopropyltoluene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		202-796-7	99-87-6							
72	1,3-dichlorobenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-067-00-7	208-792-1	541-73-1							
73	1,4-dichlorobenzene; p-dichlorobenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-035-00-2	203-400-5	106-46-7							
74	n-butylbenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		203-209-7	104-51-8							
75	1,2-dichlorobenzene; o-dichlorobenzene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
76	1,2-dibromo-3-chloropropane				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
77	1,2,4-trichlorobenzene				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
78	hexachlorobutadiene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		201-765-5	87-68-3							
79	1,2,3-trichlorobenzene				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		201-757-1	87-61-6							
80	styrene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
81	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
82	2-nitrophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-857-5	88-75-5							
83	2,4-dichlorophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
84	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
85	2,4,5-trichlorophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
86	2,4,6-trichlorophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
87	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-014-00-3	200-431-6	59-50-7							

#	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							
88	4-nitrophenol; p-nitrophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
89	pentachlorophenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
90	2-chloronaphthalene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		202-079-9	91-58-7							
91	2-methyl naphthalene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		202-078-3	91-57-6							
92	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
93	BBP; benzyl butyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
94	dibutyl phthalate; DBP				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
95	di-n-octyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		204-214-7	117-84-0							
96	diethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-550-6	84-66-2							
97	dimethyl phthalate				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-011-6	131-11-3							
98	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-007-00-9	204-450-0 [1]	121-14-2 [1]							
		246-836-1 [2]	25321-14-6 [2]							
99	2,6-dinitrotoluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
100	4-bromophenylphenylether				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		202-952-4	101-55-3							
101	4-chloroaniline				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
102	4-chlorophenylphenylether				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		230-281-7	7005-72-3							
103	azobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
104	bis(2-chloroethoxy)methane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		203-920-2	111-91-1							
105	bis(2-chloroethyl) ether				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	603-029-00-2	203-870-1	111-44-4							
106	carbazole				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		201-696-0	86-74-8							
107	dibenzofuran				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-071-3	132-64-9							
108	hexachlorocyclopentadiene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-078-00-7	201-029-3	77-47-4							
109	hexachloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		200-666-4	67-72-1							
110	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	606-012-00-8	201-126-0	78-59-1							
111	nitrosodipropylamine				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	612-098-00-8	210-698-0	621-64-7							
112	nitrobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	609-003-00-7	202-716-0	98-95-3							
113	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
	602-026-00-3	208-750-2 [1]	540-59-0 [1]							
		205-859-7 [2]	156-59-2 [2]							
		205-860-2 [3]	156-60-5 [3]							
114	cumene; [1] propylbenzene [2]				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
	601-024-00-X	202-704-5 [1]	98-82-8 [1]							
		203-132-9 [2]	103-65-1 [2]							

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
115		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006 mg/kg	<0.006 mg/kg	<0.0000006 %		<LOD	
	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]								
116		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02 mg/kg	<0.02 mg/kg	<0.000002 %		<LOD	
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]								
117		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03 mg/kg	<0.03 mg/kg	<0.000003 %		<LOD	
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]								
Total:								0.0525 %			

Key

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

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226, Asp. Tox. 1; H304, STOT RE 2; H373, Muta. 1B; H340, Carc. 1B; H350, Repr. 2; H361d, Aquatic Chronic 2; H411

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

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

Description/Comments:

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

Reason for additional Hazards Statement(s):

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

• **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

• **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H302, Acute Tox. 1; H330, Acute Tox. 1; H310, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315

• **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Aquatic Chronic 2; H411

• **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1; H400, Aquatic Chronic 1; H410

• **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Carc. 2; H351, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Skin Irrit. 2; H315

• **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

• **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 21 Aug 2015

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

• **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014

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

Data source date: 21 Aug 2015

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

■ **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

■ **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **1,1-dichloroethane and 1,2-dichloroethane (combined)** (EC Number: 203-458-1, 200-863-5, CAS Number: 107-06-2, 75-34-3)

Description/Comments: Combines the hazard statements and risk phrases for 1,1-dichloroethane and 1,2-dichloroethane
Data source: N/A
Data source date: 14 Oct 2016
Hazard Statements: Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 1B; H350 , Aquatic Chronic 3; H412

■ **dichlorodifluoromethane** (EC Number: 200-893-9, CAS Number: 75-71-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Aquatic Chronic 3; H412 , Ozone 1; H420 , Press. Gas; H280

■ **trichlorofluoromethane** (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Ozone 1; H420

■ **2,2-dichloropropane** (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

■ **bromochloromethane** (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Ozone 1; H420

■ **bromodichloromethane** (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

■ **trans-1,3-dichloropropene** (EC Number: 431-460-4, CAS Number: 10061-02-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

■ **1,3-dichloropropane** (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

▪ **dibromochloromethane** (EC Number: 204-704-0, CAS Number: 124-48-1)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

▪ **1,1,1,2-tetrachloroethane** (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

▪ **tert-butylbenzene** (EC Number: 202-632-4, CAS Number: 98-06-6)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , STOT SE 3; H335 , Asp. Tox. 1; H304 , Aquatic Chronic 2; H411

▪ **sec-butylbenzene** (EC Number: 205-227-0, CAS Number: 135-98-8)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Chronic 2; H411

▪ **4-isopropyltoluene** (EC Number: 202-796-7, CAS Number: 99-87-6)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Chronic 2; H411

▪ **n-butylbenzene** (EC Number: 203-209-7, CAS Number: 104-51-8)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

Data source date: 02 Mar 2017

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

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

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

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

Data source date: 02 Mar 2017

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

▪ **2-nitrophenol** (EC Number: 201-857-5, CAS Number: 88-75-5)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **2-chloronaphthalene** (EC Number: 202-079-9, CAS Number: 91-58-7)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

■ **2-methyl naphthalene** (EC Number: 202-078-3, CAS Number: 91-57-6)

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

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

Data source date: 02 Mar 2017

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

■ **di-n-octyl phthalate** (EC Number: 204-214-7, CAS Number: 117-84-0)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Repr. 2; H361 , Skin Sens. 1; H317 , Resp. Sens. 1; H334 , Eye Irrit. 2; H319 , Aquatic Chronic 4; H413

■ **diethyl phthalate** (EC Number: 201-550-6, CAS Number: 84-66-2)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

■ **dimethyl phthalate** (EC Number: 205-011-6, CAS Number: 131-11-3)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

■ **4-bromophenylphenylether** (EC Number: 202-952-4, CAS Number: 101-55-3)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **4-chlorophenylphenylether** (EC Number: 230-281-7, CAS Number: 7005-72-3)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **bis(2-chloroethoxy)methane** (EC Number: 203-920-2, CAS Number: 111-91-1)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

■ **carbazole** (EC Number: 201-696-0, CAS Number: 86-74-8)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

■ **dibenzofuran** (EC Number: 205-071-3, CAS Number: 132-64-9)

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

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

■ **hexachloroethane** (EC Number: 200-666-4, CAS Number: 67-72-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;

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

Data source date: 02 Mar 2017

Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

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 (edit as required)

cadmium {cadmium oxide}

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

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

Worst case species based on hazard statements/molecular weight (edit as required)

copper {dicopper oxide; copper (I) oxide}

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

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2023.178.5649.10417 (27 Jun 2023)

HazWasteOnline Database: 2023.178.5649.10417 (27 Jun 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



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)



A904N-GI5UR-XB66B

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

Job name

EMT-23-9034-Batch-3-202306201507

Description/Comments

Project

TE1750

Site

Bryn Lane Detailed Planning

Classified by

Name:

Adrian Read

Date:

13 Jul 2023 08:57 GMT

Telephone:

01925 818388

Company:

Tier Environmental**Suite 414****Chadwick House****Warrington****WA3 6AE**

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:**CERTIFIED****Course****Hazardous Waste Classification****Date****03 Dec 2020**

Next 3 year Refresher due by Dec 2023

Purpose of classification

2 - Material Characterisation

Address of the waste

Bryn lane Wrexham

Post Code **LL13 9UT**

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Bryn lane Wrexham

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

Bryn lane Wrexham

Description of the waste

Bryn lane Wrexham



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP120-09/06/2023-0.30m		Non Hazardous		3
2	TP121-09/06/2023-0.40m		Non Hazardous		5
3	TP121-09/06/2023-1.00m		Non Hazardous		7

Related documents

#	Name	Description
1	EMT-23-9034-Batch-3-202306201507.HWOL	Element .hwol file used to populate the Job
2	Example waste stream template for contaminated soils	waste stream template used to create this Job

Report

Created by: Adrian Read

Created date: 13 Jul 2023 08:57 GMT

Appendices

	Page
Appendix A: Classifier defined and non GB MCL determinands	9
Appendix B: Rationale for selection of metal species	10
Appendix C: Version	10

Classification of sample: TP120-09/06/2023-0.30m

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

Sample details

Sample name:	LoW Code:
TP120-09/06/2023-0.30m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
13.5%	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
(dry weight correction)	Entry:

Hazard properties

None identified

Determinands

Moisture content: 13.5% Dry 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 }				10.8	mg/kg	1.32	12.563	mg/kg	0.00126 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				48.9	mg/kg	2.27	97.8	mg/kg	0.00978 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	19.839	mg/kg	0.00198 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	49	mg/kg	1.56	67.34	mg/kg	0.00432 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				0.1	mg/kg	1.353	0.119	mg/kg	0.0000119 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				31.2	mg/kg	2.976	81.815	mg/kg	0.00818 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				2	mg/kg	2.554	4.5	mg/kg	0.00045 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				98	mg/kg	2.774	239.53	mg/kg	0.024 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	TPH (C6 to C40) petroleum group				<52	mg/kg		<52	mg/kg	<0.0052 %		<LOD
			TPH									
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
13	toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
14	ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
15	xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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							
16	● pH				8.02 pH		8.02 pH	8.02 pH		
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	● acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
19	● acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	● fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7							
21	● phenanthrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8							
22	● anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7							
23	● fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0							
24	● pyrene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3	129-00-0							
25	benzo[a]anthracene				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
30	● indeno[123-cd]pyrene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	● benzo[ghi]perylene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-883-8	191-24-2							
Total:								0.0552 %		

Key

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

Classification of sample: TP121-09/06/2023-0.40m

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

Sample details

Sample name:	LoW Code:
TP121-09/06/2023-0.40m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
13.8%	Entry:
(dry weight correction)	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13.8% Dry 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	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7							
2	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9							
3	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0							
4	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6							
5	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6							
6	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2							
7	chlorpyrifos-methyl (ISO); O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-186-00-9	227-011-5	5598-13-0							
8	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-040-00-4	206-373-8	333-41-5							
9	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-051-00-4	200-480-3	60-51-5							
10	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-047-00-2	209-242-3	563-12-2							
11	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2							
12	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-122-00-X	253-855-9	38260-54-7							



#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
13		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-054-00-0	204-524-2	122-14-5									
14		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-048-00-8	200-231-9	55-38-9									
15		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-041-00-X	204-497-7	121-75-5									
16		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-035-00-7	206-050-1	298-00-0									
17		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-020-00-5	232-095-1	7786-34-7									
18		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-067-00-1	218-996-2	2310-17-0									
19		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-134-00-5	249-528-5	29232-93-7									
20		trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-136-00-6	250-517-2	31218-83-4									
21		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-140-00-8	245-986-5	24017-47-8									
22		disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-060-00-3	206-054-3	298-04-4									
Total:									0.00002 %				

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection

Classification of sample: TP121-09/06/2023-1.00m

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

Sample details

Sample name:	LoW Code:
TP121-09/06/2023-1.00m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
13.8%	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
(dry weight correction)	Entry:

Hazard properties

None identified

Determinands

Moisture content: 13.8% Dry 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 }				11.4	mg/kg	1.32	13.226	mg/kg	0.00132 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				49.2	mg/kg	2.27	98.141	mg/kg	0.00981 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	24.734	mg/kg	0.00247 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	14	mg/kg	1.56	19.189	mg/kg	0.00123 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				44.4	mg/kg	2.976	116.121	mg/kg	0.0116 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				76	mg/kg	2.774	185.268	mg/kg	0.0185 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	pH				8.54	pH		8.54	pH	8.54 pH		
11	naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
12	acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8									
13	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
14	fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7									
15	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		201-581-5	85-01-8									
16	anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7									
17	fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		205-912-4	206-44-0									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	pyrene	204-927-3	129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	benzo[a]anthracene	601-033-00-9	200-280-6		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
20	chrysene	601-048-00-0	205-923-4		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
21	benzo[b]fluoranthene	601-034-00-4	205-911-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	benzo[k]fluoranthene	601-036-00-5	205-916-6		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
23	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
24	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
26	benzo[ghi]perylene	205-883-8	191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
Total:								0.0453 %		

Key

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

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226, Asp. Tox. 1; H304, STOT RE 2; H373, Muta. 1B; H340, Carc. 1B; H350, Repr. 2; H361d, Aquatic Chronic 2; H411

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

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

Description/Comments:

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

Reason for additional Hazards Statement(s):

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

pH (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H302, Acute Tox. 1; H330, Acute Tox. 1; H310, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315

acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Aquatic Chronic 2; H411

fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1; H400, Aquatic Chronic 1; H410

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Carc. 2; H351, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Skin Irrit. 2; H315

anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database

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

Data source date: 21 Aug 2015

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

pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014

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

Data source date: 21 Aug 2015

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

■ **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

■ **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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 (edit as required)

cadmium {cadmium oxide}

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

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

Worst case species based on hazard statements/molecular weight (edit as required)

copper {dicopper oxide; copper (I) oxide}

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

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**
HazWasteOnline Classification Engine Version: 2023.193.5680.10456 (12 Jul 2023)
HazWasteOnline Database: 2023.193.5680.10456 (12 Jul 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



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)



SS8H3-Y9YG4-TVV8Z

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

Job name

EMT-23-9034-Batch-5-202306301304

Description/Comments

Project

TE1750

Site

Bryn Lane, Wrexham Detailed Planning

Classified by

Name: **Adrian Read**
Date: **03 Jul 2023 08:55 GMT**
Telephone: **01925 818388**

Company: **Tier Environmental**
Suite 414
Chadwick House
Warrington
WA3 6AE

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:**CERTIFIED****Course**

Hazardous Waste Classification

Date

03 Dec 2020

Next 3 year Refresher due by Dec 2023

Purpose of classification

2 - Material Characterisation

Address of the waste

Bryn Lane Wrexham

Post Code **LL13 9XW**

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Proposed redevelopment of land

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

Waste created during excavation of soils during development

Description of the waste

Made ground and/or natural soils



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	HDP101-20/06/2023-0.30m		Non Hazardous		3
2	HDP102-20/06/2023-0.10m		Potentially Hazardous	HP 3(i)	6
3	HDP103-20/06/2023-0.30m		Non Hazardous		8
4	HDP103-20/06/2023-1.20m		Potentially Hazardous	HP 3(i)	11
5	HDP104-20/06/2023-0.60m		Non Hazardous		14
6	HDP106-20/06/2023-0.15m		Potentially Hazardous	HP 3(i)	16
7	HDP107-20/06/2023-0.30m		Non Hazardous		20

Related documents

#	Name	Description
1	EMT-23-9034-Batch-5-202306301304.HWOL	Element .hwol file used to populate the Job
2	Example waste stream template for contaminated soils	waste stream template used to create this Job

Report

Created by: Adrian Read

Created date: 03 Jul 2023 08:55 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	22
Appendix B: Rationale for selection of metal species	23
Appendix C: Version	23

Classification of sample: HDP101-20/06/2023-0.30m

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

Sample details

Sample name:	LoW Code:
HDP101-20/06/2023-0.30m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
5.4% (dry weight correction)	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.4% Dry 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 }				6.7	mg/kg	1.32	8.393	mg/kg	0.000839 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				52.1	mg/kg	2.27	112.208	mg/kg	0.0112 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				20	mg/kg	1.126	21.364	mg/kg	0.00214 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	35	mg/kg	1.56	51.797	mg/kg	0.00332 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				26.1	mg/kg	2.976	73.701	mg/kg	0.00737 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				2	mg/kg	2.554	4.846	mg/kg	0.000485 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				95	mg/kg	2.774	250.042	mg/kg	0.025 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	pH				7.7	pH		7.7	pH	7.7 pH		
11	naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
12	acenaphthylene				0.07	mg/kg		0.0664	mg/kg	0.00000664 %	✓	
		205-917-1	208-96-8									
13	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
14	fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7									
15	phenanthrene				0.33	mg/kg		0.313	mg/kg	0.0000313 %	✓	
		201-581-5	85-01-8									
16	anthracene				0.17	mg/kg		0.161	mg/kg	0.0000161 %	✓	
		204-371-1	120-12-7									
17	fluoranthene				0.95	mg/kg		0.901	mg/kg	0.0000901 %	✓	
		205-912-4	206-44-0									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	pyrene	204-927-3	129-00-0		0.89 mg/kg		0.844 mg/kg	0.0000844 %	✓	
19	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.53 mg/kg		0.503 mg/kg	0.0000503 %	✓	
20	chrysene	601-048-00-0	205-923-4	218-01-9	0.6 mg/kg		0.569 mg/kg	0.0000569 %	✓	
21	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.97 mg/kg		0.92 mg/kg	0.000092 %	✓	
22	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.38 mg/kg		0.361 mg/kg	0.0000361 %	✓	
23	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.87 mg/kg		0.825 mg/kg	0.0000825 %	✓	
24	indeno[123-cd]pyrene	205-893-2	193-39-5		0.64 mg/kg		0.607 mg/kg	0.0000607 %	✓	
25	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.18 mg/kg		0.171 mg/kg	0.0000171 %	✓	
26	benzo[ghi]perylene	205-883-8	191-24-2		0.65 mg/kg		0.617 mg/kg	0.0000617 %	✓	
27	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate	015-019-00-X	200-547-7	62-73-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
28	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
29	azinphos-methyl (ISO); O,O-dimethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
30	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate	015-044-00-6	212-324-1	786-19-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
31	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
33	chlorpyrifos-methyl (ISO); O,O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-186-00-9	227-011-5	5598-13-0	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
34	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate	015-040-00-4	206-373-8	333-41-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
35	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate	015-051-00-4	200-480-3	60-51-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
36	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion	015-047-00-2	209-242-3	563-12-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
37	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate	015-034-00-1	200-271-7	56-38-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
38	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate	015-122-00-X	253-855-9	38260-54-7	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate	015-054-00-0	204-524-2	122-14-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
40	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate	015-048-00-8	200-231-9	55-38-9	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
41	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-041-00-X	204-497-7	121-75-5							
42	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-035-00-7	206-050-1	298-00-0							
43	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-020-00-5	232-095-1	7786-34-7							
44	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0							
45	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7							
46	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	31218-83-4							
47	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-140-00-8	245-986-5	24017-47-8							
48	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-060-00-3	206-054-3	298-04-4							
Total:								0.0511 %		

Key

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

Classification of sample: HDP102-20/06/2023-0.10m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
HDP102-20/06/2023-0.10m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
19.3%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00914%)

Determinands

Moisture content: 19.3% Dry 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 }				8.3 mg/kg	1.32	9.186 mg/kg	0.000919 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				41 mg/kg	2.27	78.013 mg/kg	0.0078 %	✓	
	024-017-00-8									
4	copper { dicopper oxide; copper (I) oxide }				22 mg/kg	1.126	20.762 mg/kg	0.00208 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
5	lead { lead chromate }			1	67 mg/kg	1.56	87.601 mg/kg	0.00562 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
6	mercury { mercury dichloride }				0.1 mg/kg	1.353	0.113 mg/kg	0.0000113 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
7	nickel { nickel chromate }				19.1 mg/kg	2.976	47.65 mg/kg	0.00477 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
8	selenium { nickel selenate }				1 mg/kg	2.554	2.141 mg/kg	0.000214 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
9	zinc { zinc chromate }				112 mg/kg	2.774	260.44 mg/kg	0.026 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
10	TPH (C6 to C40) petroleum group		TPH		109 mg/kg		91.366 mg/kg	0.00914 %	✓	
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
12	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
13	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
14	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
15	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
16	pH				8.01 pH		8.01 pH	8.01 pH		
			PH							
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				0.25 mg/kg		0.21 mg/kg	0.000021 %	✓	
		205-917-1	208-96-8							
19	acenaphthene				0.61 mg/kg		0.511 mg/kg	0.0000511 %	✓	
		201-469-6	83-32-9							
20	fluorene				0.38 mg/kg		0.319 mg/kg	0.0000319 %	✓	
		201-695-5	86-73-7							
21	phenanthrene				4.94 mg/kg		4.141 mg/kg	0.000414 %	✓	
		201-581-5	85-01-8							
22	anthracene				1.03 mg/kg		0.863 mg/kg	0.0000863 %	✓	
		204-371-1	120-12-7							
23	fluoranthene				6.12 mg/kg		5.13 mg/kg	0.000513 %	✓	
		205-912-4	206-44-0							
24	pyrene				5.13 mg/kg		4.3 mg/kg	0.00043 %	✓	
		204-927-3	129-00-0							
25	benzo[a]anthracene				2.33 mg/kg		1.953 mg/kg	0.000195 %	✓	
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				2.29 mg/kg		1.92 mg/kg	0.000192 %	✓	
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				2.81 mg/kg		2.355 mg/kg	0.000236 %	✓	
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				1.09 mg/kg		0.914 mg/kg	0.0000914 %	✓	
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				2.31 mg/kg		1.936 mg/kg	0.000194 %	✓	
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				1.63 mg/kg		1.366 mg/kg	0.000137 %	✓	
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				0.32 mg/kg		0.268 mg/kg	0.0000268 %	✓	
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				1.57 mg/kg		1.316 mg/kg	0.000132 %	✓	
		205-883-8	191-24-2							
Total:								0.0594 %		

Key

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

Classification of sample: HDP103-20/06/2023-0.30m

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

Sample details

Sample name:	LoW Code:
HDP103-20/06/2023-0.30m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
21.8% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 21.8% Dry 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 }				11.3 mg/kg	1.32	12.249 mg/kg	0.00122 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				55.6 mg/kg	2.27	103.622 mg/kg	0.0104 %	✓		
	024-017-00-8										
4	copper { dicopper oxide; copper (I) oxide }				22 mg/kg	1.126	20.336 mg/kg	0.00203 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
5	lead { lead chromate }			1	20 mg/kg	1.56	25.613 mg/kg	0.00164 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
6	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
7	nickel { nickel chromate }				45 mg/kg	2.976	109.961 mg/kg	0.011 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
8	selenium { nickel selenate }				2 mg/kg	2.554	4.193 mg/kg	0.000419 %	✓		
	028-031-00-5	239-125-2	15060-62-5								
9	zinc { zinc chromate }				79 mg/kg	2.774	179.932 mg/kg	0.018 %	✓		
	024-007-00-3	236-878-9	13530-65-9								
10	TPH (C6 to C40) petroleum group				<52 mg/kg		<52 mg/kg	<0.0052 %			<LOD
			TPH								
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								
12	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
13	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
14	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
15	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<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									
16	pH		PH		8.13	pH		8.13	pH	8.13 pH		
17	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
18	acenaphthylene		205-917-1	208-96-8	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
19	acenaphthene		201-469-6	83-32-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	fluorene		201-695-5	86-73-7	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
21	phenanthrene		201-581-5	85-01-8	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
22	anthracene		204-371-1	120-12-7	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
23	fluoranthene		205-912-4	206-44-0	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24	pyrene		204-927-3	129-00-0	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
25	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
26	chrysene	601-048-00-0	205-923-4	218-01-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
27	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
29	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
30	indeno[123-cd]pyrene		205-893-2	193-39-5	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
31	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
32	benzo[ghi]perylene		205-883-8	191-24-2	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate	015-019-00-X	200-547-7	62-73-7	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
35	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate	015-044-00-6	212-324-1	786-19-6	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
39	chlorpyrifos-methyl (ISO); O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-186-00-9	227-011-5	5598-13-0	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
40	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate	015-040-00-4	206-373-8	333-41-5	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
41	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate	015-051-00-4	200-480-3	60-51-5	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#	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							
42	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion 015-047-00-2	209-242-3	563-12-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
43	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate 015-034-00-1	200-271-7	56-38-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
44	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate 015-122-00-X	253-855-9	38260-54-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate 015-054-00-0	204-524-2	122-14-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
46	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate 015-048-00-8	200-231-9	55-38-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
47	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion] 015-041-00-X	204-497-7	121-75-5		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
48	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate 015-035-00-7	206-050-1	298-00-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
49	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate 015-020-00-5	232-095-1	7786-34-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
50	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate 015-067-00-1	218-996-2	2310-17-0		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
51	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate 015-134-00-5	249-528-5	29232-93-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
52	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO) 015-136-00-6	250-517-2	31218-83-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
53	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate 015-140-00-8	245-986-5	24017-47-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
54	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate 015-060-00-3	206-054-3	298-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
Total:								0.05 %		

Key

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

Classification of sample: HDP103-20/06/2023-1.20m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
HDP103-20/06/2023-1.20m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
85.6%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00442%)

Determinands

Moisture content: 85.6% Dry 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 }				12.5 mg/kg	1.32	8.892 mg/kg	0.000889 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				40.5 mg/kg	2.27	49.534 mg/kg	0.00495 %	✓	
	024-017-00-8									
4	copper { dicopper oxide; copper (I) oxide }				26 mg/kg	1.126	15.772 mg/kg	0.00158 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
5	lead { lead chromate }			1	70 mg/kg	1.56	58.829 mg/kg	0.00377 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
6	mercury { mercury dichloride }				0.1 mg/kg	1.353	0.0729 mg/kg	0.00000729 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
7	nickel { nickel chromate }				33.2 mg/kg	2.976	53.239 mg/kg	0.00532 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
8	selenium { nickel selenate }				2 mg/kg	2.554	2.752 mg/kg	0.000275 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
9	zinc { zinc chromate }				115 mg/kg	2.774	171.889 mg/kg	0.0172 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
10	TPH (C6 to C40) petroleum group		TPH		82 mg/kg		44.181 mg/kg	0.00442 %	✓	
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
12	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
13	toluene 601-021-00-3	203-625-9	108-88-3		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
14	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
15	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16	pH PH				6.94 pH		6.94 pH	6.94 pH		
17	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
18	acenaphthylene 205-917-1	208-96-8			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
19	acenaphthene 201-469-6	83-32-9			<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
20	fluorene 201-695-5	86-73-7			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
21	phenanthrene 201-581-5	85-01-8			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
22	anthracene 204-371-1	120-12-7			<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
23	fluoranthene 205-912-4	206-44-0			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24	pyrene 204-927-3	129-00-0			<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
25	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
26	chrysene 601-048-00-0	205-923-4	218-01-9		0.06 mg/kg		0.0323 mg/kg	0.00000323 %	✓	
27	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.23 mg/kg		0.124 mg/kg	0.0000124 %	✓	
28	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.09 mg/kg		0.0485 mg/kg	0.00000485 %	✓	
29	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.26 mg/kg		0.14 mg/kg	0.000014 %	✓	
30	indeno[123-cd]pyrene 205-893-2	193-39-5			0.33 mg/kg		0.178 mg/kg	0.0000178 %	✓	
31	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
32	benzo[ghi]perylene 205-883-8	191-24-2			0.32 mg/kg		0.172 mg/kg	0.0000172 %	✓	
33	ethylene dinitrate; ethylene glycol dinitrate 603-032-00-9	211-063-0	628-96-6		<		<	<		ND
34	N-methyl-N-2,4,6-tetranitroaniline; tetryl 612-017-00-6	207-531-9	479-45-8		<		<	<		ND
35	glycerol trinitrate; nitroglycerine 603-034-00-X	200-240-8	55-63-0		<		<	<		ND
36	2,4,6-trinitrotoluene; TNT 609-008-00-4	204-289-6	118-96-7		<		<	<		ND
37	2,6-dinitrotoluene 609-049-00-8	210-106-0	606-20-2		<		<	<		ND
38	2,4-dinitrotoluene; [1] dinitrotoluene [2] 609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<		<	<		ND
39	pentaerythritol tetranitrate; pentaerythrite tetranitrate; P.E.T.N. 603-035-00-5	201-084-3	78-11-5		<		<	<		ND



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
40	2,4,6-trinitrophenol; picric acid				<		<	<		ND
	609-009-00-X	201-865-9	88-89-1							
Total:								0.0385 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Potentially 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: HDP104-20/06/2023-0.60m



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

Sample details

Sample name:	LoW Code:
HDP104-20/06/2023-0.60m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16.4% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 16.4% Dry 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	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7								
2	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9								
3	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0								
4	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6								
5	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6								
6	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2								
7	chlorpyrifos-methyl (ISO); O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-186-00-9	227-011-5	5598-13-0								
8	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-040-00-4	206-373-8	333-41-5								
9	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-051-00-4	200-480-3	60-51-5								
10	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-047-00-2	209-242-3	563-12-2								
11	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2								
12	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-122-00-X	253-855-9	38260-54-7								

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
13	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate					<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	015-054-00-0	204-524-2	122-14-5										
14	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate					<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	015-048-00-8	200-231-9	55-38-9										
15	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]					<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	015-041-00-X	204-497-7	121-75-5										
16	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate					<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	015-035-00-7	206-050-1	298-00-0										
17	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate					<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	015-020-00-5	232-095-1	7786-34-7										
18	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate					<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	015-067-00-1	218-996-2	2310-17-0										
19	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate					<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	015-134-00-5	249-528-5	29232-93-7										
20	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)					<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	015-136-00-6	250-517-2	31218-83-4										
21	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate					<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	015-140-00-8	245-986-5	24017-47-8										
22	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate					<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	015-060-00-3	206-054-3	298-04-4										
Total:											0.00002 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection

Classification of sample: HDP106-20/06/2023-0.15m

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
HDP106-20/06/2023-0.15m	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
22.2%	Entry:
(dry weight correction)	17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00687%)

Determinands

Moisture content: 22.2% Dry 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 }				12.5	mg/kg	1.32	13.506	mg/kg	0.00135 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	cadmium { cadmium oxide }				<0.1	mg/kg	1.142	<0.114	mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
3	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				50	mg/kg	2.27	92.881	mg/kg	0.00929 %	✓	
	024-017-00-8											
4	copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	21.191	mg/kg	0.00212 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
5	lead { lead chromate }			1	62	mg/kg	1.56	79.14	mg/kg	0.00507 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
6	mercury { mercury dichloride }				0.1	mg/kg	1.353	0.111	mg/kg	0.0000111 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
7	nickel { nickel chromate }				31.2	mg/kg	2.976	75.99	mg/kg	0.0076 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
8	selenium { nickel selenate }				1	mg/kg	2.554	2.09	mg/kg	0.000209 %	✓	
	028-031-00-5	239-125-2	15060-62-5									
9	zinc { zinc chromate }				112	mg/kg	2.774	254.259	mg/kg	0.0254 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
10	TPH (C6 to C40) petroleum group		TPH		84	mg/kg		68.74	mg/kg	0.00687 %	✓	
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
12	benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
13	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
14	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
15	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<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]							
16	pH				7.69 pH		7.69 pH	7.69 pH		
			PH							
17	naphthalene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
18	acenaphthylene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1	208-96-8							
19	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
20	fluorene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5	86-73-7							
21	phenanthrene				0.05 mg/kg		0.0409 mg/kg	0.00000409 %	✓	
		201-581-5	85-01-8							
22	anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1	120-12-7							
23	fluoranthene				0.15 mg/kg		0.123 mg/kg	0.0000123 %	✓	
		205-912-4	206-44-0							
24	pyrene				0.13 mg/kg		0.106 mg/kg	0.0000106 %	✓	
		204-927-3	129-00-0							
25	benzo[a]anthracene				0.1 mg/kg		0.0818 mg/kg	0.00000818 %	✓	
	601-033-00-9	200-280-6	56-55-3							
26	chrysene				0.07 mg/kg		0.0573 mg/kg	0.00000573 %	✓	
	601-048-00-0	205-923-4	218-01-9							
27	benzo[b]fluoranthene				0.11 mg/kg		0.09 mg/kg	0.000009 %	✓	
	601-034-00-4	205-911-9	205-99-2							
28	benzo[k]fluoranthene				0.04 mg/kg		0.0327 mg/kg	0.00000327 %	✓	
	601-036-00-5	205-916-6	207-08-9							
29	benzo[a]pyrene; benzo[def]chrysene				0.09 mg/kg		0.0736 mg/kg	0.00000736 %	✓	
	601-032-00-3	200-028-5	50-32-8							
30	indeno[123-cd]pyrene				0.06 mg/kg		0.0491 mg/kg	0.00000491 %	✓	
		205-893-2	193-39-5							
31	dibenz[a,h]anthracene				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
32	benzo[ghi]perylene				0.06 mg/kg		0.0491 mg/kg	0.00000491 %	✓	
		205-883-8	191-24-2							
33	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7							
34	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9							
35	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0							
36	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6							
37	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6							
38	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
39		chlorpyrifos-methyl (ISO);, O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-186-00-9	227-011-5	5598-13-0									
40		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-040-00-4	206-373-8	333-41-5									
41		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-051-00-4	200-480-3	60-51-5									
42		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-047-00-2	209-242-3	563-12-2									
43		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-034-00-1	200-271-7	56-38-2									
44		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-122-00-X	253-855-9	38260-54-7									
45		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-054-00-0	204-524-2	122-14-5									
46		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-048-00-8	200-231-9	55-38-9									
47		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-041-00-X	204-497-7	121-75-5									
48		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-035-00-7	206-050-1	298-00-0									
49		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-020-00-5	232-095-1	7786-34-7									
50		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-067-00-1	218-996-2	2310-17-0									
51		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-134-00-5	249-528-5	29232-93-7									
52		trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-136-00-6	250-517-2	31218-83-4									
53		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-140-00-8	245-986-5	24017-47-8									
54		disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-060-00-3	206-054-3	298-04-4									
Total:											0.0581 %		



Key

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

Classification of sample: HDP107-20/06/2023-0.30m



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

Sample details

Sample name:	LoW Code:
HDP107-20/06/2023-0.30m	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
18.4% (dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 18.4% Dry 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	dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-019-00-X	200-547-7	62-73-7								
2	azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-056-00-1	220-147-6	2642-71-9								
3	azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-039-00-9	201-676-1	86-50-0								
4	carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-044-00-6	212-324-1	786-19-6								
5	chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-071-00-3	207-432-0	470-90-6								
6	chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-084-00-4	220-864-4	2921-88-2								
7	chlorpyrifos-methyl (ISO); O, O-dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-186-00-9	227-011-5	5598-13-0								
8	diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-040-00-4	206-373-8	333-41-5								
9	dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-051-00-4	200-480-3	60-51-5								
10	ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-047-00-2	209-242-3	563-12-2								
11	parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-034-00-1	200-271-7	56-38-2								
12	etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<0.01 mg/kg		<0.01 mg/kg		<0.000001 %		<LOD
	015-122-00-X	253-855-9	38260-54-7								



#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
13	fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	015-054-00-0	204-524-2	122-14-5										
14	fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	015-048-00-8	200-231-9	55-38-9										
15	malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	015-041-00-X	204-497-7	121-75-5										
16	parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	015-035-00-7	206-050-1	298-00-0										
17	mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	015-020-00-5	232-095-1	7786-34-7										
18	phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	015-067-00-1	218-996-2	2310-17-0										
19	pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	015-134-00-5	249-528-5	29232-93-7										
20	trans-isopropyl-3-[[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	015-136-00-6	250-517-2	31218-83-4										
21	triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	015-140-00-8	245-986-5	24017-47-8										
22	disulfoton (ISO); O,O-diethyl 2-ethylthioethyl phosphorodithioate				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	015-060-00-3	206-054-3	298-04-4										
Total:											0.00002 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection

Appendix A: Classifier defined and non GB MCL determinands

■ pH (CAS Number: PH)

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

■ acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

■ acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

■ fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

■ anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

■ benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

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

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

Description/Comments:

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

Reason for additional Hazards Statement(s):

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

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 (edit as required)

cadmium {cadmium oxide}

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

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

Worst case species based on hazard statements/molecular weight (edit as required)

copper {dicopper oxide; copper (I) oxide}

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

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2023.178.5649.10417 (27 Jun 2023)

HazWasteOnline Database: 2023.178.5649.10417 (27 Jun 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

APPENDIX D - GEOENVIRONMENTAL GROUNDWATER LABORATORY RESULTS

Tier Environmental
Suite 414, Chadwick House
Warrington Rd
Birchwood
Warrington
United Kingdom
WA3 6AE



Attention : Adrian Read
Date : 3rd August, 2023
Your reference : TE1750
Our reference : Test Report 23/11332 Batch 1
Location : Bryn Lane
Date samples received : 11th July, 2023
Status : Final report
Issue : 1

Seven samples were received for analysis on 11th July, 2023 of which six were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:



Phil Sommerton BSc

Senior Project Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: Tier Environmental
Reference: TE1750
Location: Bryn Lane
Contact: Adrian Read
EMT Job No: 23/11332

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
 H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HN0₃

EMT Sample No.	1-6	7-12	23-29	30-35	36-41	42-46					Please see attached notes for all abbreviations and acronyms		
Sample ID	CP101	CP107	CP102	CP104	WS105	WS108							
Depth	6.00	4.00	9.00	8.50	4.00	4.00							
COC No / misc													
Containers	V H H N P G	V H H N P G	V H H N P G	V H H N P G	V H H N P G	V G P							
Sample Date	07/07/2023	07/07/2023	07/07/2023	07/07/2023	07/07/2023	07/07/2023							
Sample Type	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid							
Batch Number	1	1	1	1	1	1							
Date of Receipt	11/07/2023	11/07/2023	11/07/2023	11/07/2023	11/07/2023	11/07/2023					LOD/LOR	Units	Method No.
Dissolved Arsenic	6.4	1.6	4.1	7.3	8.1	4.8					<0.9	ug/l	TM30/PM14
Dissolved Cadmium	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03					<0.03	ug/l	TM30/PM14
Total Dissolved Chromium	1.0	<0.2	<0.2	0.8	<0.2	0.2					<0.2	ug/l	TM30/PM14
Dissolved Copper	<3	<3	<3	<3	7	<3					<3	ug/l	TM30/PM14
Dissolved Lead	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4					<0.4	ug/l	TM30/PM14
Dissolved Mercury	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM30/PM14
Dissolved Nickel	1.5	0.6	1.9	7.7	5.3	0.5					<0.2	ug/l	TM30/PM14
Dissolved Selenium	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2					<1.2	ug/l	TM30/PM14
Dissolved Zinc	5.5	5.9	11.1	11.7	14.8	6.1					<1.5	ug/l	TM30/PM14
Total Hardness Dissolved (as CaCO ₃)	3732 _{AA}	879	2529 _{AA}	1544 _{AA}	1064	1461					<1	mg/l	TM30/PM14
PAH MS													
Naphthalene	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					<0.1	ug/l	TM4/PM30
Acenaphthylene	<0.005	<0.005	<0.005	0.026	0.034	<0.005					<0.005	ug/l	TM4/PM30
Acenaphthene	<0.005	<0.005	<0.005	0.123	0.095	<0.005					<0.005	ug/l	TM4/PM30
Fluorene	<0.005	<0.005	<0.005	0.077	0.049	<0.005					<0.005	ug/l	TM4/PM30
Phenanthrene	<0.005	<0.005	<0.005	0.226	0.425	<0.005					<0.005	ug/l	TM4/PM30
Anthracene	<0.005	<0.005	<0.005	0.100	0.209	<0.005					<0.005	ug/l	TM4/PM30
Fluoranthene	<0.005	<0.005	<0.005	0.638	1.862	<0.005					<0.005	ug/l	TM4/PM30
Pyrene	<0.005	<0.005	<0.005	0.562	1.608	<0.005					<0.005	ug/l	TM4/PM30
Benzo(a)anthracene	<0.005	<0.005	<0.005	0.286	1.065	<0.005					<0.005	ug/l	TM4/PM30
Chrysene	<0.005	<0.005	<0.005	0.280	1.007	<0.005					<0.005	ug/l	TM4/PM30
Benzo(b)fluoranthene	<0.008	<0.008	<0.008	0.580	2.147	<0.008					<0.008	ug/l	TM4/PM30
Benzo(a)pyrene	<0.005	<0.005	<0.005	0.341	1.198	<0.005					<0.005	ug/l	TM4/PM30
Indeno(123cd)pyrene	<0.005 ⁺	<0.005 ⁺	<0.005	0.230	0.816	<0.005					<0.005	ug/l	TM4/PM30
Dibenzo(ah)anthracene	<0.005	<0.005	<0.005	0.033	0.108	<0.005					<0.005	ug/l	TM4/PM30
Benzo(ghi)perylene	<0.005	<0.005	<0.005	0.209	0.629	<0.005					<0.005	ug/l	TM4/PM30
PAH 16 Total	<0.173	<0.173	<0.173	3.711	11.252	<0.173					<0.173	ug/l	TM4/PM30
Benzo(b)fluoranthene	<0.008	<0.008	<0.008	0.418	1.546	<0.008					<0.008	ug/l	TM4/PM30
Benzo(k)fluoranthene	<0.008	<0.008	<0.008	0.162	0.601	<0.008					<0.008	ug/l	TM4/PM30
PAH Surrogate % Recovery	91	83	84	94	100	92					<0	%	TM4/PM30

Element Materials Technology

Client Name: Tier Environmental
Reference: TE1750
Location: Bryn Lane
Contact: Adrian Read
EMT Job No: 23/11332

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HN0₃

EMT Sample No.	1-6	7-12	23-29	30-35	36-41	42-46					Please see attached notes for all abbreviations and acronyms		
Sample ID	CP101	CP107	CP102	CP104	WS105	WS108							
Depth	6.00	4.00	9.00	8.50	4.00	4.00							
COC No / misc													
Containers	V H H N P G	V H H N P G	V H H N P G	V H H N P G	V H H N P G	V G P							
Sample Date	07/07/2023	07/07/2023	07/07/2023	07/07/2023	07/07/2023	07/07/2023							
Sample Type	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid							
Batch Number	1	1	1	1	1	1							
Date of Receipt	11/07/2023	11/07/2023	11/07/2023	11/07/2023	11/07/2023	11/07/2023					LOD/LOR	Units	Method No.
Pesticides													
Organophosphorus Pesticides													
Azinphos ethyl	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Azinphos methyl	<0.05 ^{AA}	<0.05 ^{AA}	<0.05 ^{AA}	<1.00 ^{AC}	<1.00 ^{AC}	<0.05 ^{AA}					<0.01	ug/l	TM149/PM30
Carbophenothion	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Chlorfenvinphos	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Chlorpyrifos	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Chlorpyrifos-methyl	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Diazinon	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Dichlorvos	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Disulfoton	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Dimethoate	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Ethion	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Ethyl Parathion (Parathion)	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Etrimpfos	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Fenitrothion	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Fenthion	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Malathion	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Methyl Parathion	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Mevinphos	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Phosalone	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Pirimiphos Methyl	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Propetamphos	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
Triazophos	<0.01	<0.01	<0.01	<0.20 ^{AB}	<0.20 ^{AB}	<0.01					<0.01	ug/l	TM149/PM30
MTBE	<5	<5	<5	<5	<5	<5					<5	ug/l	TM36/PM12
Benzene	<5	<5	<5	<5	<5	<5					<5	ug/l	TM36/PM12
Toluene	<5	<5	<5	<5	<5	<5					<5	ug/l	TM36/PM12
Ethylbenzene	<5	<5	<5	<5	<5	<5					<5	ug/l	TM36/PM12
m/p-Xylene	<5	<5	<5	<5	<5	<5					<5	ug/l	TM36/PM12
o-Xylene	<5	<5	<5	<5	<5	<5					<5	ug/l	TM36/PM12
TPH CWG													
Aliphatics													
>C5-C6	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>C6-C8	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>C8-C10	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>C10-C12	<5 ^{SV}	<5	<5	<5 ^{SV}	<5	<5					<5	ug/l	TM5/PM16/PM30
>C12-C16	<10 ^{SV}	<10	<10	<10 ^{SV}	<10	<10					<10	ug/l	TM5/PM16/PM30
>C16-C21	<10 ^{SV}	<10	<10	<10 ^{SV}	<10	<10					<10	ug/l	TM5/PM16/PM30
>C21-C35	<10 ^{SV}	<10	<10	<10 ^{SV}	<10	<10					<10	ug/l	TM5/PM16/PM30
>C35-C40	<10 ^{SV}	<10	<10	<10 ^{SV}	<10	<10					<10	ug/l	TM5/PM16/PM30
Total aliphatics C5-40	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/PM16/PM30

Element Materials Technology

Client Name: Tier Environmental
 Reference: TE1750
 Location: Bryn Lane
 Contact: Adrian Read
 EMT Job No: 23/11332

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
 H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HN0₃

EMT Sample No.	1-6	7-12	23-29	30-35	36-41	42-46					Please see attached notes for all abbreviations and acronyms		
Sample ID	CP101	CP107	CP102	CP104	WS105	WS108							
Depth	6.00	4.00	9.00	8.50	4.00	4.00							
COC No / misc													
Containers	V H H N P G	V H H N P G	V H H N P G	V H H N P G	V H H N P G	V G P							
Sample Date	07/07/2023	07/07/2023	07/07/2023	07/07/2023	07/07/2023	07/07/2023							
Sample Type	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid							
Batch Number	1	1	1	1	1	1							
Date of Receipt	11/07/2023	11/07/2023	11/07/2023	11/07/2023	11/07/2023	11/07/2023					LOD/LOR	Units	Method No.
TPH CWG													
Aromatics													
>C5-EC7	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>EC7-EC8	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>EC8-EC10	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>EC10-EC12	<5 ^{sv}	<5	<5	<5 ^{sv}	<5	<5					<5	ug/l	TM5/PM16/PM30
>EC12-EC16	<10 ^{sv}	<10	<10	<10 ^{sv}	<10	<10					<10	ug/l	TM5/PM16/PM30
>EC16-EC21	<10 ^{sv}	<10	<10	<10 ^{sv}	<10	<10					<10	ug/l	TM5/PM16/PM30
>EC21-EC35	<10 ^{sv}	<10	<10	<10 ^{sv}	<10	<10					<10	ug/l	TM5/PM16/PM30
>EC35-EC40	<10 ^{sv}	<10	<10	<10 ^{sv}	<10	<10					<10	ug/l	TM5/PM16/PM30
Total aromatics C5-40	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/PM16/PM30
Total aliphatics and aromatics(C5-40)	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/PM16/PM30
Total Phenols HPLC	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15					<0.15	mg/l	TM26/PM0
Sulphate as SO4	3165.1	720.7	2369.8	485.2	129.5	1240.4					<0.5	mg/l	TM38/PM0
Ortho Phosphate as PO4	0.06	<0.06	<0.06	0.12	<0.06	<0.06					<0.06	mg/l	TM38/PM0
Ortho Phosphate as PO4	0.09	0.06	0.05	0.07	0.04	0.03					<0.03	mg/l	TM38/PM0
Total Ammonia as N	<0.03	<0.03	<0.03	5.47	0.29	1.28					<0.03	mg/l	TM38/PM0
Electrical Conductivity @25C	6320	2199	5299	2303	1971	3458					<2	uS/cm	TM76/PM0
pH	7.62	7.89	7.83	7.23	7.34	7.81					<0.01	pH units	TM73/PM0

Client Name: Tier Environmental

Reference: TE1750

Location: Bryn Lane

Contact: Adrian Read

[illegible]

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 23/11332

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 37°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

Laboratory records are kept for a period of no less than 6 years.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above quantitative calibration range. The result should be considered the minimum value and is indicative only. The actual result could be significantly higher.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range
AA	x5 Dilution
AB	x20 Dilution
AC	x100 Dilution

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics mathematically subtracted
#2	EU_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 23/11332

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/S ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16/PM30	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE/Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM5/TM36	please refer to TM5 and TM36 for method details	PM12/PM16/PM30	please refer to PM16/PM30 and PM12 for method details				
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.				
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM14	Preparation of waters and leachates for metals by ICP OES/ICP MS. Samples are filtered for Dissolved metals, and remain unfiltered for Total metals then acidified				
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.				
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013I	PM0	No preparation is required.				
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.				
TM76	Modified US EPA method 120.1 (1982). Determination of Specific Conductance by Metrohm automated probe analyser.	PM0	No preparation is required.				
TM149	Determination of Pesticides by Large Volume Injection on GC Triple Quad MS, based upon USEPA method 8270D v5:2014	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				

Tier Environmental
Suite 414, Chadwick House
Warrington Rd
Birchwood
Warrington
United Kingdom
WA3 6AE



Attention :	Adrian Read
Date :	28th July, 2023
Your reference :	TE1750
Our reference :	Test Report 23/11408 Batch 1
Location :	Bryn Lane Detailed
Date samples received :	12th July, 2023
Status :	Final Report
Issue :	1

One sample was received for analysis on 12th July, 2023 and was scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:



Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: Tier Environmental
Reference: TE1750
Location: Bryn Lane Detailed
Contact: Adrian Read
EMT Job No: 23/11408

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HNO₃

[illegible]

Element Materials Technology

Client Name: Tier Environmental
Reference: TE1750
Location: Bryn Lane Detailed
Contact: Adrian Read
EMT Job No: 23/11408

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
 H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HNO₃

EMT Sample No.	1-6										Please see attached notes for all abbreviations and acronyms				
Sample ID	WS111														
Depth	3.00														
COC No / misc															
Containers	V H H N P G														
Sample Date	11/07/2023														
Sample Type	Liquid														
Batch Number	1														
Date of Receipt	12/07/2023										LOD/LOR	Units	Method No.		
Pesticides															
Organophosphorus Pesticides															
Azinphos ethyl	<0.01										<0.01	ug/l	TM149/PM30		
Azinphos methyl	<0.05 ^{AA}										<0.01	ug/l	TM149/PM30		
Carbophenothion	<0.01										<0.01	ug/l	TM149/PM30		
Chlorfenvinphos	<0.01										<0.01	ug/l	TM149/PM30		
Chlorpyrifos	<0.01										<0.01	ug/l	TM149/PM30		
Chlorpyrifos-methyl	<0.01										<0.01	ug/l	TM149/PM30		
Diazinon	<0.01										<0.01	ug/l	TM149/PM30		
Dichlorvos	<0.01										<0.01	ug/l	TM149/PM30		
Disulfoton	<0.01										<0.01	ug/l	TM149/PM30		
Dimethoate	<0.01										<0.01	ug/l	TM149/PM30		
Ethion	<0.01										<0.01	ug/l	TM149/PM30		
Ethyl Parathion (Parathion)	<0.01										<0.01	ug/l	TM149/PM30		
Etrimphos	<0.01										<0.01	ug/l	TM149/PM30		
Fenitrothion	<0.01										<0.01	ug/l	TM149/PM30		
Fenthion	<0.01										<0.01	ug/l	TM149/PM30		
Malathion	<0.01										<0.01	ug/l	TM149/PM30		
Methyl Parathion	<0.01										<0.01	ug/l	TM149/PM30		
Mevinphos	<0.01										<0.01	ug/l	TM149/PM30		
Phosalone	<0.01										<0.01	ug/l	TM149/PM30		
Pirimiphos Methyl	<0.01										<0.01	ug/l	TM149/PM30		
Propetamphos	<0.01										<0.01	ug/l	TM149/PM30		
Triazophos	<0.01										<0.01	ug/l	TM149/PM30		
MTBE	<5										<5	ug/l	TM36/PM12		
Benzene	<5										<5	ug/l	TM36/PM12		
Toluene	<5										<5	ug/l	TM36/PM12		
Ethylbenzene	<5										<5	ug/l	TM36/PM12		
m/p-Xylene	<5										<5	ug/l	TM36/PM12		
o-Xylene	<5										<5	ug/l	TM36/PM12		
TPH CWG															
Aliphatics															
>C5-C6	<10										<10	ug/l	TM36/PM12		
>C6-C8	<10										<10	ug/l	TM36/PM12		
>C8-C10	<10										<10	ug/l	TM36/PM12		
>C10-C12	19										<5	ug/l	TM5/PM16/PM30		
>C12-C16	130										<10	ug/l	TM5/PM16/PM30		
>C16-C21	100										<10	ug/l	TM5/PM16/PM30		
>C21-C35	<10										<10	ug/l	TM5/PM16/PM30		
>C35-C40	<10										<10	ug/l	TM5/PM16/PM30		
Total aliphatics C5-40	249										<10	ug/l	TM5/PM16/PM30		

Element Materials Technology

Client Name: Tier Environmental
Reference: TE1750
Location: Bryn Lane Detailed
Contact: Adrian Read
EMT Job No: 23/11408

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
 H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HN₃

EMT Sample No.	1-6										Please see attached notes for all abbreviations and acronyms		
Sample ID	WS111												
Depth	3.00												
COC No / misc													
Containers	V H H N P G												
Sample Date	11/07/2023												
Sample Type	Liquid												
Batch Number	1												
Date of Receipt	12/07/2023									LOD/LOR	Units	Method No.	
TPH CWG													
Aromatics													
>C5-EC7	<10									<10	ug/l	TM36/PM12	
>EC7-EC8	<10									<10	ug/l	TM36/PM12	
>EC8-EC10	<10									<10	ug/l	TM36/PM12	
>EC10-EC12	<5									<5	ug/l	TM5/PM16/PM3	
>EC12-EC16	<10									<10	ug/l	TM5/PM16/PM3	
>EC16-EC21	<10									<10	ug/l	TM5/PM16/PM3	
>EC21-EC35	<10									<10	ug/l	TM5/PM16/PM3	
>EC35-EC40	<10									<10	ug/l	TM5/PM16/PM3	
Total aromatics C5-40	<10									<10	ug/l	TM5/PM16/PM3	
Total aliphatics and aromatics(C5-40)	249									<10	ug/l	TM5/PM16/PM3	
Total Phenols HPLC	<0.15									<0.15	mg/l	TM26/PM0	
Sulphate as SO4	1979.7									<0.5	mg/l	TM38/PM0	
Ortho Phosphate as PO4	<0.06									<0.06	mg/l	TM38/PM0	
Ortho Phosphate as PO4	0.06									<0.03	mg/l	TM38/PM0	
Total Ammonia as N	<0.03									<0.03	mg/l	TM38/PM0	
Electrical Conductivity @25C	4507									<2	uS/cm	TM76/PM0	
pH	7.68									<0.01	pH units	TM73/PM0	

Client Name: Tier Environmental

Reference: TE1750

Location: Bryn Lane Detailed

Contact: Adrian Read

[illegible]

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 23/11408

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 37°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

Laboratory records are kept for a period of no less than 6 years.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.