



Results Summary

Report No.: 23-51047, issue number 1

				345095	345096	345097	345100	345101	345103	345104	345106	345109	345110	345111	345112	345113	345114	345115	345116	345117
ELAB Reference																				
Customer Reference																				
Sample ID																				
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				TP01	TP01	TP02	TP03	TP03	TP04	TP04	TP05	TP06	TP07	TP07	WS01	WS02	WS03	WS04	WS05	WS06
Sample Depth (m)				0.40	0.90	0.30	0.60	1.00	0.50	1.30	0.50	0.80	0.20	0.80	0.20	0.20	0.40	0.20	0.20	0.30
Sampling Date				09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023
Determinand	Codes	Units	LOD																	
BTEX																				
Benzene	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0	n/t	n/t	n/t	< 10.0	n/t	n/t	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0	n/t	n/t	n/t	< 10.0	n/t	n/t	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0	n/t	n/t	n/t	< 10.0	n/t	n/t	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0	n/t	n/t	n/t	< 10.0	n/t	n/t	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
MTBE	U	ug/kg	10	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0	n/t	n/t	n/t	< 10.0	n/t	n/t	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total BTEX	U	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t
TPH CWG																				
>C5-C6 Aliphatic (HS_ID_MS_AL)	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic (HS_ID_MS_AL)	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic (EH_CU_ID_AL)	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic (EH_CU_ID_AL)	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic (EH_CU_ID_AL)	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic (EH_CU_ID_AL)	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic (EH_CU_ID_AL)	N	mg/kg	1	1.4	n/t	4.4	5.3	n/t	7.2	n/t	n/t	n/t	6.0	n/t	n/t	5.9	4.8	8.6	5.5	< 1.0
>C35-C40 Aliphatic (EH_CU_ID_AL)	N	mg/kg	1	< 1.0	n/t	4.3	5.1	n/t	4.7	n/t	n/t	n/t	4.3	n/t	n/t	4.8	4.0	5.0	1.1	< 1.0
Total (>C5-C40) Aliphatic (HS_ID_MS+EH_CU_ID_AL)	N	mg/kg	1	1.4	n/t	8.7	10.5	n/t	11.9	n/t	n/t	n/t	10.3	n/t	n/t	10.7	8.8	13.7	6.6	< 1.0
>C5-C7 Aromatic (HS_ID_MS_AR)	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic (HS_ID_MS_AR)	N	mg/kg	0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic (EH_CU_ID_AR)	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic (EH_CU_ID_AR)	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic (EH_CU_ID_AR)	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic (EH_CU_ID_AR)	N	mg/kg	1	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C21-C35 Aromatic (EH_CU_ID_AR)	N	mg/kg	1	1.6	n/t	9.0	1.5	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	3.5	< 1.0
>C35-C40 Aromatic (EH_CU_ID_AR)	N	mg/kg	1	< 1.0	n/t	5.3	3.7	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total (>C5-C40) Aromatic (HS_ID_MS+EH_CU_ID_AR)	N	mg/kg	1	1.6	n/t	14.3	5.2	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	< 1.0	< 1.0	< 1.0	3.5	< 1.0
Total (>C5-C40) Ali/Aro (HS_ID_MS+EH_CU_ID_Total)	N	mg/kg	1	2.9	n/t	23.0	15.7	n/t	11.9	n/t	n/t	n/t	10.3	n/t	n/t	10.7	8.8	13.7	10.1	< 1.0
Total Petroleum Hydrocarbons																				
Mineral Oil w Florisil (EH_CU_ID_Total)	N	mg/kg	5	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 5	n/t	< 5	n/t	n/t	n/t
Total TPH w Silica (>C8-C40) (EH_CU_ID_Total)	N	mg/kg	5	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	17	n/t	< 5	n/t	n/t	n/t
Total TPH (>C8-C40) (EH_ID_Total)	N	mg/kg	5	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 5	n/t	< 5	n/t	n/t	n/t
Fuel type ID	N		0.001	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/a	n/t	n/a	n/t	n/t	n/t

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ELAB Reference																				
Customer Reference																				
Sample ID																				
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				TP01	TP01	TP02	TP03	TP03	TP04	TP04	TP05	TP06	TP07	TP07	WS01	WS02	WS03	WS04	WS05	WS06
Sample Depth (m)				0.40	0.90	0.30	0.60	1.00	0.50	1.30	0.50	0.80	0.20	0.80	0.20	0.20	0.40	0.20	0.20	0.30
Sampling Date				09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023	09/11/2023
Determinand				Codes	Units	LOD														
PCB (ICES 7 congeners)																				
	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 28	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 52	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 101	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 118	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 153	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 138	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t
PCB 180	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t
Total PCBs (7 congeners)	N	mg/kg	0.03	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 0.03	n/t	< 0.03	n/t	n/t	n/t
OrganoChlorine Pesticides																				
alpha-HCH	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
beta_HCH	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
gamma-HCH	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
delta-HCH	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
Heptachlor	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
Aldrin	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
Heptachlor expoxide	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
trans-Chlordane	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
alpha cis-Chlordane	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
p,p-DDE	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	120	n/t	43	n/t	170
Dieldrin	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	22	n/t	< 10	n/t	55
Endrin	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
p,p-DDD	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	19
Endosulfan II	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
Endrin aldehyde	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
p,p-DDT	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	38	n/t	< 10	n/t	59
Endosulphan sulphate	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
Methoxychlor	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10
Endrin ketone	N	ug/kg	10	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	< 10	n/t	< 10	n/t	< 10

Results Summary

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WAC Analysis

Elab Ref:	345114					Landfill Waste Acceptance Criteria Limits*		
Sample Date:	09/11/2023					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	WS03							
Depth (m)	0.4							
Site:	Shoreham Road, Small Dole							
Determinand		Code	Units					
Total Organic Carbon		N	%		0.39	3	5	6
Loss on Ignition		M	%		3.6	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		N	mg/kg		< 0.03	1	--	--
TPH Total WAC (EH_CU_1D_Total)		N	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		< 2	100	--	--
pH		M			7.1	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate

Eluate Analysis

			10:1	10:1	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg		
			mg/l	mg/kg			
Arsenic		N	< 0.005	< 0.05	0.5	2	25
Barium		N	< 0.005	< 0.05	20	100	300
Cadmium		N	< 0.001	< 0.01	0.04	1	5
Chromium		N	< 0.005	< 0.05	0.5	10	70
Copper		N	< 0.005	< 0.05	2	50	100
Mercury		N	< 0.005	< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005	< 0.05	0.5	10	30
Nickel		N	< 0.001	< 0.05	0.4	10	40
Lead		N	< 0.001	< 0.05	0.5	10	50
Antimony		N	< 0.005	< 0.05	0.06	0.7	5
Selenium		N	< 0.005	< 0.05	0.1	0.5	7
Zinc		N	< 0.005	< 0.05	4	50	200
Chloride		N	< 5	< 50	800	15000	25000
Fluoride		N	< 5	< 10	10	150	500
Sulphate		N	1	11.60	1000	20000	50000
Total Dissolved Solids		N	15	155.00	4000	60000	100000
Phenol Index		N	< 0.01	< 0.10	1	-	-
Dissolved Organic Carbon		N		169.00	500	800	1000

Leach Test Information

pH		N	7.1				
Conductivity (uS/cm)		N	< 50				
Dry mass of test portion (g)			102.000				
Dry Matter (%)			83				
Moisture (%)			21				
Eluent Volume (ml)			971				

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.

Results Summary

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WAC Analysis

Elab Ref:	345112					Landfill Waste Acceptance Criteria Limits*		
Sample Date:	09/11/2023					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	WS01							
Depth (m)	0.2							
Site:	Shoreham Road, Small Dole							
Determinand		Code	Units					
Total Organic Carbon		N	%		1.20	3	5	6
Loss on Ignition		M	%		3.8	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		N	mg/kg		< 0.03	1	--	--
TPH Total WAC (EH_CU_1D_Total)		N	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		< 2	100	--	--
pH		M			6.7	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate

Eluate Analysis

			10:1	10:1	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg		
			mg/l	mg/kg			
Arsenic		N	< 0.005	< 0.05	0.5	2	25
Barium		N	0.010	0.10	20	100	300
Cadmium		N	< 0.001	< 0.01	0.04	1	5
Chromium		N	< 0.005	< 0.05	0.5	10	70
Copper		N	< 0.005	< 0.05	2	50	100
Mercury		N	< 0.005	< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005	< 0.05	0.5	10	30
Nickel		N	< 0.001	< 0.05	0.4	10	40
Lead		N	< 0.001	< 0.05	0.5	10	50
Antimony		N	< 0.005	< 0.05	0.06	0.7	5
Selenium		N	< 0.005	< 0.05	0.1	0.5	7
Zinc		N	0.007	0.07	4	50	200
Chloride		N	< 5	< 50	800	15000	25000
Fluoride		N	< 5	< 10	10	150	500
Sulphate		N	4	43.50	1000	20000	50000
Total Dissolved Solids		N	23	226.00	4000	60000	100000
Phenol Index		N	< 0.01	< 0.10	1	-	-
Dissolved Organic Carbon		N		140.00	500	800	1000

Leach Test Information

pH		N	7.4				
Conductivity (uS/cm)		N	< 50				
Dry mass of test portion (g)			101.000				
Dry Matter (%)			82				
Moisture (%)			22				
Eluent Volume (ml)			960				

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY

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Results Summary

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Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
345095	0.40	TP01	Brown Soil, Stones, Clinker	No asbestos detected	n/t	n/t	n/t	n/t
345097	0.30	TP02	Brown Soil, Stones, Clinker	No asbestos detected	n/t	n/t	n/t	n/t
345100	0.60	TP03	Brown Soil, Stones, Clinker, Organics	No asbestos detected	n/t	n/t	n/t	n/t
345103	0.50	TP04	Brown Soil, Stones	No asbestos detected	n/t	n/t	n/t	n/t
345110	0.20	TP07	Brown Soil, Stones, Clinker, Organics	No asbestos detected	n/t	n/t	n/t	n/t
345112	0.20	WS01	Brown Soil, Stones, Clinker, Organics, Plastic	No asbestos detected	n/t	n/t	n/t	n/t
345113	0.20	WS02	Brown Soil, Stones, Clinker, Organics	No asbestos detected	n/t	n/t	n/t	n/t
345114	0.40	WS03	Brown Soil, Stones	No asbestos detected	n/t	n/t	n/t	n/t
345115	0.20	WS04	Brown Soil, Stones, Clinker	No asbestos detected	n/t	n/t	n/t	n/t
345116	0.20	WS05	Brown Soil, Stones, Clinker, Organics	No asbestos detected	n/t	n/t	n/t	n/t
345117	0.30	WS06	Brown Soil, Stones, Clinker, Brick, Glass, Organics	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 23-51047, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Gas range organics in soil	N	As submitted sample	17/11/2023		GC-MS
Free cyanide	N	As submitted sample	15/11/2023	107	Colorimetry
Sulphide	N	As submitted sample	14/11/2023	109	Colorimetry
Hexavalent chromium	N	As submitted sample	15/11/2023	110	Colorimetry
Acid Soluble Sulphate	U	Air dried sample	15/11/2023	115	Ion Chromatography
Total Petroleum Hydrocarbons in solids	N	As submitted sample	15/11/2023	117	GC-FID
Phenols in solids	M	As submitted sample	15/11/2023	121	HPLC
Elemental Sulphur	M	Air dried sample	14/11/2023	122	HPLC
PAH (GC-FID)	N	As submitted sample	15/11/2023	133	GC-FID
Water soluble anions	M	Air dried sample	14/11/2023	172	Ion Chromatography
Organochlorine Pesticides in solids	N	As submitted sample	17/11/2023	173	GC-MS
Low range Aliphatic hydrocarbons soil	N	As submitted sample	17/11/2023	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	17/11/2023	181	GC-MS
Water soluble boron	N	Air dried sample	14/11/2023	202	Colorimetry
Total cyanide	M	As submitted sample	15/11/2023	204	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	15/11/2023	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	17/11/2023	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	17/11/2023	214	GC-FID
Basic carbon banding in soil	N	As submitted sample	16/11/2023	218	GC-FID
Asbestos identification	U	Air dried sample	16/11/2023	281	Microscopy
Aqua regia extractable metals	M	Air dried sample	14/11/2023	300	ICPMS
TPH with Silica clean up solids	N	As submitted sample	16/11/2023	GCL117	GC-FID
Leachate					
Arsenic	N		20/11/2023	301	ICPMS
Cadmium	N		20/11/2023	301	ICPMS
Chromium	N		20/11/2023	301	ICPMS
Lead	N		20/11/2023	301	ICPMS
Nickel	N		20/11/2023	301	ICPMS
Copper	N		20/11/2023	301	ICPMS
Zinc	N		20/11/2023	301	ICPMS
Mercury	N		20/11/2023	301	ICPMS
Selenium	N		20/11/2023	301	ICPMS
Antimony	N		20/11/2023	301	ICPMS
Barium	N		20/11/2023	301	ICPMS
Molybdenum	N		20/11/2023	301	ICPMS
pH Value	N		20/11/2023	113	Electrometric
Electrical Conductivity	N		20/11/2023	136	Probe
Dissolved Organic Carbon	N		20/11/2023	102	TOC analyser
Chloride	U		20/11/2023	270	Ion Chromatography
Fluoride	U		20/11/2023	270	Ion Chromatography
Sulphate	U		20/11/2023	270	Ion Chromatography
Total Dissolved Solids	N		20/11/2023	144	Gravimetric
Phenol index	N		20/11/2023	121	HPLC
WAC Solids analysis	N				
pH	M	Air dried sample	15/11/2023	113	Electrometric
Total Organic Carbon	N	Air dried sample	14/11/2023	210	IR
Loss on Ignition	M	Air dried sample	17/11/2023	129	Gravimetric
Acid Neutralisation Capacity	N	Air dried sample	15/11/2023	NEN 737	Electrometric
Total BTEX	M	As submitted sample	17/11/2023	181	GCMS
Mineral Oil (EH_CU_1D_Total)	N	As submitted sample	15/11/2023	117	GCFID
Total PCBs (7 congeners)	N	Air dried sample	17/11/2023	120	GCMS
Total (of 17) PAHs	N	As submitted sample	15/11/2023	133	GCFID

Tests marked N are not UKAS accredited

Report Information

Report No.: 23-51047, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
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*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"
LOD	LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination. Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed. ELAB are unable to provide an interpretation or opinion on the content of this report. The results relate only to the sample received. PCB congener results may include any coeluting PCBs Uncertainty of measurement for the determinands tested are available upon request Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
 All water samples will be retained for 7 days following the date of the test report
 Charges may apply to extended sample storage

TPH Classification - HWOL Acronym System

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	EH_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



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St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618

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info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 23-51285

Issue: 1

Date of Issue: 04/12/2023

Contact: Jason Kanellis

Customer Details: GESL
Unit 7
Danworth Farm
Hurstpierpoint
West Sussex BN6 9GL

Quotation No: Q22-03510

Order No: 7048

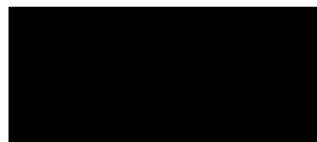
Customer Reference: GE22017

Date Received: 27/11/2023

Date Approved: 04/12/2023

Details: Henfield Road, Small Dole

Approved by:



Ben Rees, Customer Services Assistant

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

This report may only be reproduced in full



Sample Summary

Report No.: 23-51285, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
346487	WS03 0.83	24/11/2023	27/11/2023		

Results Summary

Report No.: 23-51285, issue number 1

ELAB Reference				346487
Customer Reference				
Sample ID				
Sample Type				WATER
Sample Location				WS03
Sample Depth (m)				0.83
Sampling Date				24/11/2023
Determinand	Codes	Units	LOD	
Dissolved Metals				
Arsenic	U	ug/l	5	< 5
Boron	N	ug/l	5	88
Barium	U	ug/l	5	36
Beryllium	U	ug/l	5	< 5
Cadmium	U	ug/l	1	< 1
Chromium	U	ug/l	5	< 5
Copper	U	ug/l	5	< 5.0
Mercury	U	ug/l	0.1	< 0.1
Nickel	U	ug/l	5	13
Lead	U	ug/l	1	< 1
Selenium	U	ug/l	5	< 5
Vanadium	N	ug/l	5	< 5
Zinc	U	ug/l	5	< 5
Anions				
Chloride	U	mg/l	0.5	12.2
Sulphate	U	mg/l	0.5	17.5
Inorganics				
Elemental Sulphur	N	mg/l	0.1	< 0.1
Hexavalent Chromium	U	ug/l	100	< 100
Sulphide	N	mg/l	0.1	< 0.1
Miscellaneous				
Dissolved organic carbon	N	mg/l	4	16
pH	U	pH units	0.1	6.8
Phenols				
Phenol	N	ug/l	1	< 1
M,P-Cresol	N	ug/l	1	< 1
O-Cresol	N	ug/l	1	< 1
3,4-Dimethylphenol	N	ug/l	1	< 1
2,3-Dimethylphenol	N	ug/l	1	< 1
2,3,5-trimethylphenol	N	ug/l	1	< 1
Total Monohydric Phenols	N	ug/l	1	< 1

Results Summary

Report No.: 23-51285, issue number 1

ELAB Reference	346487
Customer Reference	
Sample ID	
Sample Type	WATER
Sample Location	WS03
Sample Depth (m)	0.83
Sampling Date	24/11/2023

Determinand	Codes	Units	LOD	
Polyaromatic hydrocarbons				
Naphthalene GCMS	N	ug/l	0.01	0.67
Acenaphthylene GCMS	N	ug/l	0.01	< 0.01
Acenaphthene GCMS	N	ug/l	0.01	< 0.01
Fluorene GCMS	N	ug/l	0.01	< 0.01
Phenanthrene GCMS	N	ug/l	0.01	0.04
Anthracene GCMS	N	ug/l	0.01	0.01
Fluoranthene GCMS	N	ug/l	0.01	0.07
Pyrene GCMS	N	ug/l	0.01	0.06
Benzo (a) anthracene GCMS	N	ug/l	0.01	0.05
Chrysene GCMS	N	ug/l	0.01	0.04
Benzo (b) fluoranthene GCMS	N	ug/l	0.01	0.03
Benzo (k) fluoranthene GCMS	N	ug/l	0.01	0.02
Benzo (a) pyrene GCMS	N	ug/l	0.01	0.03
Indeno (1,2,3-cd) pyrene GCMS	N	ug/l	0.01	0.02
Dibenzo(a,h)anthracene GCMS	N	ug/l	0.01	0.01
Benzo(ghi)perylene GCMS	N	ug/l	0.01	0.02
Total PAH(16) GCMS	N	ug/l	0.01	1.09
TPH CWG				
>C5-C6 Aliphatic (HS_1D_MS_AL)	N	ug/l	1	< 1.0
>C6-C8 Aliphatic (HS_1D_MS_AL)	N	ug/l	1	< 1.0
>C8-C10 Aliphatic (EH_CU_1D_AL)	N	ug/l	5	116
>C10-C12 Aliphatic (EH_CU_1D_AL)	N	ug/l	5	40.6
>C12-C16 Aliphatic (EH_CU_1D_AL)	N	ug/l	5	< 5.0
>C16-C21 Aliphatic (EH_CU_1D_AL)	N	ug/l	5	< 5.0
>C21-C35 Aliphatic (EH_CU_1D_AL)	N	ug/l	5	79.1
>C35-C40 Aliphatic (EH_CU_1D_AL)	N	ug/l	5	< 5.0
Total (>C5-C40) Aliphatic (HS_1D_MS+EH_CU_1D_AL)	N	ug/l	5	235
>C5-C7 Aromatic (HS_1D_MS_AR)	N	ug/l	1	< 1.0
>C7-C8 Aromatic (HS_1D_MS_AR)	N	ug/l	1	< 1.0
>C8-C10 Aromatic (EH_CU_1D_AR)	N	ug/l	5	45.8
>C10-C12 Aromatic (EH_CU_1D_AR)	N	ug/l	5	17.2
>C12-C16 Aromatic (EH_CU_1D_AR)	N	ug/l	5	< 5.0
>C16-C21 Aromatic (EH_CU_1D_AR)	N	ug/l	5	< 5.0
>C21-C35 Aromatic (EH_CU_1D_AR)	N	ug/l	5	26.8
>C35-C40 Aromatic (EH_CU_1D_AR)	N	ug/l	5	< 5.0
Total (>C5-C40) Aromatic (HS_1D_MS+EH_CU_1D_AR)	N	ug/l	5	89.8
Total (>C5-C40) Ali/Aro (HS_1D_MS+EH_CU_1D_Total)	N	ug/l	5	325

Method Summary

Report No.: 23-51285, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Water					
Aliphatic/Aromatic hydrocarbons in water	N		04/12/2023		GC-FID
Phenols in waters	N		28/11/2023		HPLC
Dissolved metals by ICP in waters	U		28/11/2023	301	ICPMS
Dissolved organic carbon	N		04/12/2023	102	IR
pH of waters	U		28/11/2023	113	Electromeric
Chromium Hexavalent in waters	U		30/11/2023	123	Colorimetry
Sulphide in water	N		28/11/2023	134	Colorimetry
PAHs and/or PCBs in waters	N		28/11/2023	135	GC-MS
Low range Aliphatic hydrocarbons water	N		04/12/2023	200	GC-MS
Low range Aromatic hydrocarbons water	N		04/12/2023	200	GC-MS
Elemental Sulphur by HPLC in waters	N		29/11/2023	206	HPLC
Aliphatic hydrocarbons in water	N		28/11/2023	215	GC-FID
Aromatic hydrocarbons in water	N		28/11/2023	215	GC-FID
Anions	U		28/11/2023	270	Ion Chromatography

Tests marked N are not UKAS accredited

Report Information

Report No.: 23-51285, issue number 1

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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	EH_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

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)



O0LDA-YEE8J-GRXPX

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

Job name

GE22017 Waste Soils Assessment

Description/Comments

Based on ELAB Report No.: 23-51047, issue number 1

Project

GE22017

Site

Henfield Road, Small Dole

Classified by

Name: **Shaun Armitage**
 Date: **05 Dec 2023 15:15 GMT**
 Telephone:
 Company: **Geo-Environmental Services**
Unit 7, Danworth Farm, Cuckfield Rd
Hurstpierpoint
BN6 9GL

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

HazWasteOnline™ Certification:

CERTIFIED

Course

Hazardous Waste Classification

Date

09 Jun 2022

Next 3 year Refresher due by Jun 2025

Purpose of classification

2 - Material Characterisation

Address of the waste

Land at Henfield Road, Small Dole, Henfield

Post Code **BN5 9YH**

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Residential development – construction of a residential estate.

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

Potential waste created during excavation of soils for residential development.

Description of the waste

Topsoil: Dark brown, grey and dark greyish brown sandy silty clay and silty sandy clay with frequent rootlets, occasional flint gravel and rare flint cobbles and rare glass.

Made Ground: Reworked greenish brown and brown silty sandy clay with rare fine flint and rootlets.

Lower Greensand Group: Brown, reddish brown, orangish brown, greyish brown, light yellowish brown, grey, light grey, and dark greenish grey gravelly silty clayey SAND, clayey silty SAND, sandy SILT, very weak to weak SANDSTONE with occasional clay lenses and pockets, and firm to stiff silty sandy CLAY and gravelly silty sandy CLAY with frequent siltstone and sandstone inclusions and lenses, and occasional roots and rootlets. Gravel comprises sub-angular to sub-rounded flint, siltstone and sandstone, and occasional siltstone and sandstone cobbles.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	WAC Results			Page
					Inert	SNRHW	Hazardous	
1	TP01-0.40--09/11/2023	0.40	Non Hazardous		-	-	-	3
2	TP02-0.30--09/11/2023	0.30	Non Hazardous		-	-	-	6
3	TP03-0.60--09/11/2023	0.60	Non Hazardous		-	-	-	9
4	TP04-0.50--09/11/2023	0.50	Non Hazardous		-	-	-	12
5	TP07-0.20--09/11/2023	0.20	Non Hazardous		-	-	-	15
6	WS01-0.20--09/11/2023	0.20	Non Hazardous		Pass	Pass	N/A	18
7	WS02-0.20--09/11/2023	0.20	Non Hazardous		-	-	-	22
8	WS03-0.40--09/11/2023	0.40	Non Hazardous		Pass	Pass	N/A	25
9	WS04-0.20--09/11/2023	0.20	Non Hazardous		-	-	-	29
10	WS05-0.20--09/11/2023	0.20	Non Hazardous		-	-	-	32
11	WS06-0.30--09/11/2023	0.30	Non Hazardous		-	-	-	35

Related documents

#	Name	Description
1	HWOL_23-51047_20231205.HWOL	ELAB .hwol file used to populate the Job
2	GESL Soils Waste Stream Template	waste stream template used to create this Job

WAC results

WAC Settings: samples in this Job do not constitute a single population.

WAC limits used to evaluate the samples in this Job: "UK"

The WAC used in this report are the WAC defined for the inert, stable non-reactive hazardous and hazardous classes of landfill in the UK. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

Report

Created by: Shaun Armitage

Created date: 05 Dec 2023 15:15 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	38
Appendix B: Rationale for selection of metal species	40
Appendix C: Version	41

Classification of sample: TP01-0.40--09/11/2023

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

Sample details

Sample name:	LoW Code:	
TP01-0.40--09/11/2023	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m		
Moisture content:		
17.4%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 17.4% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1	 arsenic { arsenic trioxide }				10.9	mg/kg	1.32	11.887	mg/kg	0.00119 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	 beryllium { beryllium oxide }				0.7	mg/kg	2.775	1.605	mg/kg	0.00016 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
3	 boron { diboron trioxide }				<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
4	 cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
5	 chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17	mg/kg	1.462	20.523	mg/kg	0.00205 %	✓	
		215-160-9	1308-38-9									
6	 chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
7	 copper { dicopper oxide; copper (I) oxide }				19.9	mg/kg	1.126	18.507	mg/kg	0.00185 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	 lead { lead chromate }			1	21.5	mg/kg	1.56	27.701	mg/kg	0.00178 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	 mercury { mercury dichloride }				0.3	mg/kg	1.353	0.335	mg/kg	0.0000335 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
10	 nickel { nickel chromate }				15.1	mg/kg	2.976	37.122	mg/kg	0.00371 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
11	 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									
12	 vanadium { divanadium pentaoxide; vanadium pentoxide }				26.8	mg/kg	1.785	39.518	mg/kg	0.00395 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	 zinc { zinc chromate }				56.5	mg/kg	2.774	129.467	mg/kg	0.0129 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
14	 TPH (C6 to C40) petroleum group				2.9	mg/kg		2.395	mg/kg	0.00024 %	✓	
			TPH									
15	 tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									

#	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	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	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]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		7.3 pH		7.3 pH	7.3 pH			
22	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-883-8	191-24-2								
38	phenol				<6 mg/kg		<6 mg/kg	<0.0006 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
39	sulfur { sulphur dichloride }				<20 mg/kg	3.211	<64.226 mg/kg	<0.00642 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
Total:									0.0358 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free phase liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00024%)

Classification of sample: TP02-0.30--09/11/2023
 **Non Hazardous Waste**
 Classified as **17 05 04**
 in the List of Waste

Sample details

Sample name:	LoW Code:
TP02-0.30--09/11/2023	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
27.8%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 27.8% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		arsenic { arsenic trioxide }				10	mg/kg	1.32	9.533	mg/kg	0.000953 %	✓	
		033-003-00-0	215-481-4	1327-53-3									
2		beryllium { beryllium oxide }				0.8	mg/kg	2.775	1.603	mg/kg	0.00016 %	✓	
		004-003-00-8	215-133-1	1304-56-9									
3		boron { diboron trioxide }				0.6	mg/kg	3.22	1.395	mg/kg	0.000139 %	✓	
		005-008-00-8	215-125-8	1303-86-2									
4		cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
		048-002-00-0	215-146-2	1306-19-0									
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16.2	mg/kg	1.462	17.095	mg/kg	0.00171 %	✓	
			215-160-9	1308-38-9									
6		chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
		024-017-00-8											
7		copper { dicopper oxide; copper (I) oxide }				65	mg/kg	1.126	52.838	mg/kg	0.00528 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
8		lead { lead chromate }			1	106	mg/kg	1.56	119.376	mg/kg	0.00765 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
9		mercury { mercury dichloride }				1.6	mg/kg	1.353	1.564	mg/kg	0.000156 %	✓	
		080-010-00-X	231-299-8	7487-94-7									
10		nickel { nickel chromate }				14.6	mg/kg	2.976	31.373	mg/kg	0.00314 %	✓	
		028-035-00-7	238-766-5	14721-18-7									
11		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									
12		vanadium { divanadium pentaoxide; vanadium pentoxide }				23.4	mg/kg	1.785	30.16	mg/kg	0.00302 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
13		zinc { zinc chromate }				110	mg/kg	2.774	220.323	mg/kg	0.022 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
14		TPH (C6 to C40) petroleum group				23	mg/kg		16.606	mg/kg	0.00166 %	✓	
				TPH									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									

#	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	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	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]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH				7 pH		7 pH	7pH			
			PH								
22	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				0.07 mg/kg		0.0505 mg/kg	0.00000505 %	✓		
		201-581-5	85-01-8								
27	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				0.19 mg/kg		0.137 mg/kg	0.0000137 %	✓		
		205-912-4	206-44-0								
29	pyrene				0.19 mg/kg		0.137 mg/kg	0.0000137 %	✓		
		204-927-3	129-00-0								
30	benzo[a]anthracene				0.09 mg/kg		0.065 mg/kg	0.0000065 %	✓		
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				0.15 mg/kg		0.108 mg/kg	0.0000108 %	✓		
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				0.15 mg/kg		0.108 mg/kg	0.0000108 %	✓		
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				0.06 mg/kg		0.0433 mg/kg	0.00000433 %	✓		
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				0.13 mg/kg		0.0939 mg/kg	0.00000939 %	✓		
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				0.09 mg/kg		0.065 mg/kg	0.0000065 %	✓		
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				0.1 mg/kg		0.0722 mg/kg	0.00000722 %	✓		
		205-883-8	191-24-2								
38	phenol				<6 mg/kg		<6 mg/kg	<0.0006 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
39	sulfur { sulphur dichloride }				<20 mg/kg	3.211	<64.226 mg/kg	<0.00642 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
Total:									0.0537 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free phase liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00166%)

Classification of sample: TP03-0.60--09/11/2023

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

Sample details

Sample name:	LoW Code:	
TP03-0.60--09/11/2023	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.60 m		
Moisture content:		
17.9%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 17.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.4 mg/kg	1.32	8.022 mg/kg	0.000802 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				0.6 mg/kg	2.775	1.367 mg/kg	0.000137 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide }				0.7 mg/kg	3.22	1.85 mg/kg	0.000185 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11.7 mg/kg	1.462	14.039 mg/kg	0.0014 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8 mg/kg	2.27	<1.816 mg/kg	<0.000182 %		<LOD
	024-017-00-8									
7	copper { dicopper oxide; copper (I) oxide }				22.4 mg/kg	1.126	20.706 mg/kg	0.00207 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	56.8 mg/kg	1.56	72.739 mg/kg	0.00466 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	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							
10	nickel { nickel chromate }				12.2 mg/kg	2.976	29.811 mg/kg	0.00298 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	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							
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				17.6 mg/kg	1.785	25.795 mg/kg	0.00258 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
13	zinc { zinc chromate }				63.5 mg/kg	2.774	144.626 mg/kg	0.0145 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
14	TPH (C6 to C40) petroleum group		TPH		15.7 mg/kg		12.89 mg/kg	0.00129 %	✓	
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	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	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	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]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		6.9 pH		6.9 pH	6.9 pH			
22	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-883-8	191-24-2								
38	phenol				<6 mg/kg		<6 mg/kg	<0.0006 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
39	sulfur { sulphur dichloride }				<20 mg/kg	3.211	<64.226 mg/kg	<0.00642 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
Total:									0.0383 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free phase liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00129%)

Classification of sample: TP04-0.50--09/11/2023

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

Sample details

Sample name:	LoW Code:
TP04-0.50--09/11/2023	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15.3%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 15.3% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
1		arsenic { arsenic trioxide }				9.5 mg/kg	1.32	10.624 mg/kg	0.00106 %	✓		
		033-003-00-0	215-481-4	1327-53-3								
2		beryllium { beryllium oxide }				<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD	
		004-003-00-8	215-133-1	1304-56-9								
3		boron { diboron trioxide }				<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %		<LOD	
		005-008-00-8	215-125-8	1303-86-2								
4		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
		048-002-00-0	215-146-2	1306-19-0								
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.9 mg/kg	1.462	11.018 mg/kg	0.0011 %	✓		
			215-160-9	1308-38-9								
6		chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8 mg/kg	2.27	<1.816 mg/kg	<0.000182 %		<LOD	
		024-017-00-8										
7		copper { dicopper oxide; copper (I) oxide }				12.2 mg/kg	1.126	11.634 mg/kg	0.00116 %	✓		
		029-002-00-X	215-270-7	1317-39-1								
8		lead { lead chromate }			1	11.1 mg/kg	1.56	14.665 mg/kg	0.00094 %	✓		
		082-004-00-2	231-846-0	7758-97-6								
9		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								
10		nickel { nickel chromate }				15.9 mg/kg	2.976	40.082 mg/kg	0.00401 %	✓		
		028-035-00-7	238-766-5	14721-18-7								
11		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								
12		vanadium { divanadium pentaoxide; vanadium pentoxide }				13 mg/kg	1.785	19.657 mg/kg	0.00197 %	✓		
		023-001-00-8	215-239-8	1314-62-1								
13		zinc { zinc chromate }				38.1 mg/kg	2.774	89.524 mg/kg	0.00895 %	✓		
		024-007-00-3	236-878-9	13530-65-9								
14		TPH (C6 to C40) petroleum group				11.9 mg/kg		10.079 mg/kg	0.00101 %	✓		
				TPH								
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
		603-181-00-X	216-653-1	1634-04-4								

#	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	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	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]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH				6.6 pH		6.6 pH	6.6 pH			
			PH								
22	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-912-4	206-44-0								
29	pyrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-927-3	129-00-0								
30	benzo[a]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-883-8	191-24-2								
38	phenol				<6 mg/kg		<6 mg/kg	<0.0006 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
39	sulfur { sulphur dichloride }				<20 mg/kg	3.211	<64.226 mg/kg	<0.00642 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
Total:									0.0282 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free phase liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00101%)

Classification of sample: TP07-0.20--09/11/2023

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

Sample details

Sample name:	TP07-0.20--09/11/2023	LoW Code:	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	0.20 m	Entry:		17 05 04 (Soil and stones other than those mentioned in 17 05 03)
Moisture content:	15.9% (wet weight correction)			

Hazard properties

None identified

Determinands

Moisture content: 15.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				11.2 mg/kg	1.32	12.436 mg/kg	0.00124 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	beryllium { beryllium oxide }				0.9 mg/kg	2.775	2.101 mg/kg	0.00021 %	✓		
	004-003-00-8	215-133-1	1304-56-9								
3	boron { diboron trioxide }				<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %			<LOD
	005-008-00-8	215-125-8	1303-86-2								
4	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.576 mg/kg	0.0000576 %	✓		
	048-002-00-0	215-146-2	1306-19-0								
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15.4 mg/kg	1.462	18.929 mg/kg	0.00189 %	✓		
		215-160-9	1308-38-9								
6	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8 mg/kg	2.27	<1.816 mg/kg	<0.000182 %			<LOD
	024-017-00-8										
7	copper { dicopper oxide; copper (I) oxide }				22.5 mg/kg	1.126	21.305 mg/kg	0.00213 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
8	lead { lead chromate }			1	60.9 mg/kg	1.56	79.889 mg/kg	0.00512 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
9	mercury { mercury dichloride }				1.7 mg/kg	1.353	1.935 mg/kg	0.000194 %	✓		
	080-010-00-X	231-299-8	7487-94-7								
10	nickel { nickel chromate }				16 mg/kg	2.976	40.049 mg/kg	0.004 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
11	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								
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				19.6 mg/kg	1.785	29.426 mg/kg	0.00294 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
13	zinc { zinc chromate }				70.1 mg/kg	2.774	163.547 mg/kg	0.0164 %	✓		
	024-007-00-3	236-878-9	13530-65-9								
14	TPH (C6 to C40) petroleum group		TPH		10.3 mg/kg		8.662 mg/kg	0.000866 %	✓		
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								

#	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	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	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]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		6.8 pH		6.8 pH	6.8 pH			
22	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				0.02 mg/kg		0.0168 mg/kg	0.00000168 %	✓		
		201-581-5	85-01-8								
27	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				0.07 mg/kg		0.0589 mg/kg	0.00000589 %	✓		
		205-912-4	206-44-0								
29	pyrene				0.07 mg/kg		0.0589 mg/kg	0.00000589 %	✓		
		204-927-3	129-00-0								
30	benzo[a]anthracene				0.03 mg/kg		0.0252 mg/kg	0.00000252 %	✓		
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				0.04 mg/kg		0.0336 mg/kg	0.00000336 %	✓		
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				0.06 mg/kg		0.0505 mg/kg	0.00000505 %	✓		
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				0.03 mg/kg		0.0252 mg/kg	0.00000252 %	✓		
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				0.05 mg/kg		0.0421 mg/kg	0.00000421 %	✓		
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				0.03 mg/kg		0.0252 mg/kg	0.00000252 %	✓		
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				0.04 mg/kg		0.0336 mg/kg	0.00000336 %	✓		
		205-883-8	191-24-2								
38	phenol				<6 mg/kg		<6 mg/kg	<0.0006 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
39	sulfur { sulphur dichloride }				<20 mg/kg	3.211	<64.226 mg/kg	<0.00642 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
Total:									0.0429 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free phase liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00086%)

Classification of sample: WS01-0.20--09/11/2023

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

Sample details

Sample name:	LoW Code:
WS01-0.20--09/11/2023	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16.9%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 16.9% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		antimony { antimony trioxide }				2.1	mg/kg	1.197	2.089	mg/kg	0.000209 %	✓	
	051-005-00-X	215-175-0	1309-64-4										
2		arsenic { arsenic trioxide }				8.7	mg/kg	1.32	9.546	mg/kg	0.000955 %	✓	
	033-003-00-0	215-481-4	1327-53-3										
3		barium { barium diboron tetraoxide }				97.3	mg/kg	1.623	131.268	mg/kg	0.0131 %	✓	
	056-005-00-3	237-222-4	13701-59-2										
4		beryllium { beryllium oxide }				0.9	mg/kg	2.775	2.076	mg/kg	0.000208 %	✓	
	004-003-00-8	215-133-1	1304-56-9										
5		boron { diboron trioxide }				0.5	mg/kg	3.22	1.338	mg/kg	0.000134 %	✓	
	005-008-00-8	215-125-8	1303-86-2										
6		cadmium { cadmium oxide }				0.3	mg/kg	1.142	0.285	mg/kg	0.0000285 %	✓	
	048-002-00-0	215-146-2	1306-19-0										
7		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14.4	mg/kg	1.462	17.49	mg/kg	0.00175 %	✓	
		215-160-9	1308-38-9										
8		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8												
9		copper { dicopper oxide; copper (I) oxide }				21.6	mg/kg	1.126	20.209	mg/kg	0.00202 %	✓	
	029-002-00-X	215-270-7	1317-39-1										
10		lead { lead chromate }		1		98.6	mg/kg	1.56	127.806	mg/kg	0.00819 %	✓	
	082-004-00-2	231-846-0	7758-97-6										
11		mercury { mercury dichloride }				0.7	mg/kg	1.353	0.787	mg/kg	0.0000787 %	✓	
	080-010-00-X	231-299-8	7487-94-7										
12		molybdenum { molybdenum(VI) oxide }				<1	mg/kg	1.5	<1.5	mg/kg	<0.00015 %		<LOD
	042-001-00-9	215-204-7	1313-27-5										
13		nickel { nickel chromate }				14.4	mg/kg	2.976	35.615	mg/kg	0.00356 %	✓	
	028-035-00-7	238-766-5	14721-18-7										
14		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										
15		vanadium { divanadium pentaoxide; vanadium pentoxide }				22.8	mg/kg	1.785	33.824	mg/kg	0.00338 %	✓	
	023-001-00-8	215-239-8	1314-62-1										

#		Determinand			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		zinc {  zinc chromate }				70.3 mg/kg	2.774	162.064 mg/kg	0.0162 %		✓	
		024-007-00-3	236-878-9	13530-65-9								
17		TPH (C6 to C40) petroleum group				17.71 mg/kg		14.717 mg/kg	0.00147 %		✓	
				TPH								
18		cyanides {  salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
		006-007-00-5										
19		pH				6.7 pH		6.7 pH	6.7 pH			
				PH								
20		naphthalene				0.03 mg/kg		0.0249 mg/kg	0.00000249 %		✓	
		601-052-00-2	202-049-5	91-20-3								
21		acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
			205-917-1	208-96-8								
22		acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
			201-469-6	83-32-9								
23		fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
			201-695-5	86-73-7								
24		phenanthrene				0.1 mg/kg		0.0831 mg/kg	0.00000831 %		✓	
			201-581-5	85-01-8								
25		anthracene				0.02 mg/kg		0.0166 mg/kg	0.00000166 %		✓	
			204-371-1	120-12-7								
26		fluoranthene				0.44 mg/kg		0.366 mg/kg	0.0000366 %		✓	
			205-912-4	206-44-0								
27		pyrene				0.4 mg/kg		0.332 mg/kg	0.0000332 %		✓	
			204-927-3	129-00-0								
28		benzo[a]anthracene				0.19 mg/kg		0.158 mg/kg	0.0000158 %		✓	
		601-033-00-9	200-280-6	56-55-3								
29		chrysene				0.25 mg/kg		0.208 mg/kg	0.0000208 %		✓	
		601-048-00-0	205-923-4	218-01-9								
30		benzo[b]fluoranthene				0.23 mg/kg		0.191 mg/kg	0.0000191 %		✓	
		601-034-00-4	205-911-9	205-99-2								
31		benzo[k]fluoranthene				0.09 mg/kg		0.0748 mg/kg	0.00000748 %		✓	
		601-036-00-5	205-916-6	207-08-9								
32		benzo[a]pyrene; benzo[def]chrysene				0.22 mg/kg		0.183 mg/kg	0.0000183 %		✓	
		601-032-00-3	200-028-5	50-32-8								
33		indeno[123-cd]pyrene				0.12 mg/kg		0.0997 mg/kg	0.00000997 %		✓	
			205-893-2	193-39-5								
34		dibenz[a,h]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		601-041-00-2	200-181-8	53-70-3								
35		benzo[ghi]perylene				0.15 mg/kg		0.125 mg/kg	0.0000125 %		✓	
			205-883-8	191-24-2								
36		phenol				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
		604-001-00-2	203-632-7	108-95-2								
37		polychlorobiphenyls; PCB				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
		602-039-00-4	215-648-1	1336-36-3								
38		1-naphtol				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
		604-029-00-5	201-969-4	90-15-3								
39		coronene				0.02 mg/kg		0.0166 mg/kg	0.00000166 %		✓	
			205-881-7	191-07-1								
40		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<2 mg/kg		<2 mg/kg	<0.0002 %			<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]								
41		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]				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2]	95-65-8 [1] 95-87-4 [2]								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
		203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
Total:								0.0529 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because **No free phase liquid**

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00147%)

WAC results for sample: WS01-0.20--09/11/2023

WAC Settings: samples in this Job do not constitute a single population.

WAC limits used to evaluate this sample: "UK"

The WAC used in this report are the WAC defined for the inert, stable non-reactive hazardous and hazardous classes of landfill in the UK. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

The sample **PASSES** the Inert (Inert waste landfill) criteria.

The sample **PASSES** the SNRHW (Stable non-reactive hazardous waste in non-hazardous landfill) criteria.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits		
#	Determinand		User entered data	Inert waste landfill	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste landfill
1	TOC (total organic carbon)	%	1.2	3	5	6
2	LOI (loss on ignition)	%	3.84	-	-	10
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.01	6	-	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.03	1	-	-
5	Mineral oil (C10 to C40)	mg/kg	<5	500	-	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<2	100	-	-
7	pH	pH	6.7	-	>6	-
8	ANC (acid neutralisation capacity)	mol/kg	<0.1	-	-	-
Eluate Analysis 10:1						
9	arsenic	mg/kg	<0.05	0.5	2	25
10	barium	mg/kg	0.1	20	100	300
11	cadmium	mg/kg	<0.01	0.04	1	5
12	chromium	mg/kg	<0.05	0.5	10	70
13	copper	mg/kg	<0.05	2	50	100
14	mercury	mg/kg	<0.01	0.01	0.2	2
15	molybdenum	mg/kg	<0.05	0.5	10	30
16	nickel	mg/kg	<0.05	0.4	10	40
17	lead	mg/kg	<0.05	0.5	10	50
18	antimony	mg/kg	<0.05	0.06	0.7	5
19	selenium	mg/kg	<0.05	0.1	0.5	7
20	zinc	mg/kg	0.07	4	50	200
21	chloride	mg/kg	<50	800	15,000	25,000
22	fluoride	mg/kg	<10	10	150	500
23	sulphate	mg/kg	43.5	1,000	20,000	50,000
24	phenol index	mg/kg	<0.1	1	-	-
25	DOC (dissolved organic carbon)	mg/kg	140	500	800	1,000
26	TDS (total dissolved solids)	mg/kg	226	4,000	60,000	100,000

Key

	User supplied data
	Not applicable

Classification of sample: WS02-0.20--09/11/2023

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

Sample details

Sample name:	LoW Code:
WS02-0.20--09/11/2023	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13.9%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 13.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				8.6 mg/kg	1.32	9.776 mg/kg	0.000978 %	✓		
	033-003-00-0	215-481-4	1327-53-3								
2	beryllium { beryllium oxide }				0.8 mg/kg	2.775	1.912 mg/kg	0.000191 %	✓		
	004-003-00-8	215-133-1	1304-56-9								
3	boron { diboron trioxide }				<0.5 mg/kg	3.22	<1.61 mg/kg	<0.000161 %			<LOD
	005-008-00-8	215-125-8	1303-86-2								
4	cadmium { cadmium oxide }				0.3 mg/kg	1.142	0.295 mg/kg	0.0000295 %	✓		
	048-002-00-0	215-146-2	1306-19-0								
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12.6 mg/kg	1.462	15.856 mg/kg	0.00159 %	✓		
		215-160-9	1308-38-9								
6	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8 mg/kg	2.27	<1.816 mg/kg	<0.000182 %			<LOD
	024-017-00-8										
7	copper { dicopper oxide; copper (I) oxide }				82 mg/kg	1.126	79.49 mg/kg	0.00795 %	✓		
	029-002-00-X	215-270-7	1317-39-1								
8	lead { lead chromate }			1	79.6 mg/kg	1.56	106.903 mg/kg	0.00685 %	✓		
	082-004-00-2	231-846-0	7758-97-6								
9	mercury { mercury dichloride }				1.5 mg/kg	1.353	1.748 mg/kg	0.000175 %	✓		
	080-010-00-X	231-299-8	7487-94-7								
10	nickel { nickel chromate }				11.8 mg/kg	2.976	30.238 mg/kg	0.00302 %	✓		
	028-035-00-7	238-766-5	14721-18-7								
11	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								
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				18.1 mg/kg	1.785	27.821 mg/kg	0.00278 %	✓		
	023-001-00-8	215-239-8	1314-62-1								
13	zinc { zinc chromate }				73.9 mg/kg	2.774	176.513 mg/kg	0.0177 %	✓		
	024-007-00-3	236-878-9	13530-65-9								
14	TPH (C6 to C40) petroleum group				10.7 mg/kg		9.213 mg/kg	0.000921 %	✓		
			TPH								
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								

#	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	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	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]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH				6.8 pH		6.8 pH	6.8 pH			
22	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				0.07 mg/kg		0.0603 mg/kg	0.00000603 %	✓		
		201-581-5	85-01-8								
27	anthracene				0.03 mg/kg		0.0258 mg/kg	0.00000258 %	✓		
		204-371-1	120-12-7								
28	fluoranthene				0.28 mg/kg		0.241 mg/kg	0.0000241 %	✓		
		205-912-4	206-44-0								
29	pyrene				0.26 mg/kg		0.224 mg/kg	0.0000224 %	✓		
		204-927-3	129-00-0								
30	benzo[a]anthracene				0.13 mg/kg		0.112 mg/kg	0.0000112 %	✓		
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				0.15 mg/kg		0.129 mg/kg	0.0000129 %	✓		
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				0.19 mg/kg		0.164 mg/kg	0.0000164 %	✓		
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				0.08 mg/kg		0.0689 mg/kg	0.00000689 %	✓		
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				0.17 mg/kg		0.146 mg/kg	0.0000146 %	✓		
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				0.12 mg/kg		0.103 mg/kg	0.0000103 %	✓		
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				0.02 mg/kg		0.0172 mg/kg	0.00000172 %	✓		
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				0.13 mg/kg		0.112 mg/kg	0.0000112 %	✓		
		205-883-8	191-24-2								
38	phenol				<6 mg/kg		<6 mg/kg	<0.0006 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
39	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				0.038 mg/kg		0.0327 mg/kg	0.00000327 %	✓		
	602-045-00-7	200-024-3	50-29-3								
40	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	602-047-00-8	200-349-0	57-74-9								

#	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							
41	hexachlorocyclohexanes, including lindane 602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
42	dieldrin (ISO) 602-049-00-9	200-484-5	60-57-1		0.022 mg/kg		0.0189 mg/kg	0.00000189 %	✓	
43	endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene 602-051-00-X	200-775-7	72-20-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
44	heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene 602-046-00-2	200-962-3	76-44-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
45	aldrin (ISO) 602-048-00-3	206-215-8	309-00-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
46	sulfur { sulphur dichloride } 016-013-00-X	234-129-0	10545-99-0		<20 mg/kg	3.211	<64.226 mg/kg	<0.00642 %		<LOD
47	heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene 602-063-00-5	213-831-0	1024-57-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
48	p,p'-DDE 200-784-6	72-55-9			0.12 mg/kg		0.103 mg/kg	0.0000103 %	✓	
49	p,p'-DDD 200-783-0	72-54-8			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
50	p,p'-methoxychlor 200-779-9	72-43-5			<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
51	endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite 602-052-00-5	204-079-4	115-29-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free phase liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00092%)

Classification of sample: WS03-0.40--09/11/2023

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

Sample details

Sample name:	WS03-0.40--09/11/2023	LoW Code:	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	0.40 m	Entry:		17 05 04 (Soil and stones other than those mentioned in 17 05 03)
Moisture content:	15.5%			
	(wet weight correction)			

Hazard properties

None identified

Determinands

Moisture content: 15.5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	 antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4	0.7 mg/kg	1.197	0.708	mg/kg	0.0000708 %	✓	
2	 arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	9.7 mg/kg	1.32	10.822	mg/kg	0.00108 %	✓	
3	 barium { barium diboron tetraoxide }	056-005-00-3	237-222-4	13701-59-2	61.8 mg/kg	1.623	84.779	mg/kg	0.00848 %	✓	
4	 beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.6 mg/kg	2.775	1.407	mg/kg	0.000141 %	✓	
5	 boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2	0.7 mg/kg	3.22	1.905	mg/kg	0.00019 %	✓	
6	 cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0	<0.2 mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
7	 chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9	12.6 mg/kg	1.462	15.561	mg/kg	0.00156 %	✓	
8	 chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8			<0.8 mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
9	 copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	12.7 mg/kg	1.126	12.082	mg/kg	0.00121 %	✓	
10	 lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	17.1 mg/kg	1.56	22.539	mg/kg	0.00144 %	✓	
11	 mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.1 mg/kg	1.353	0.114	mg/kg	0.0000114 %	✓	
12	 molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5	<1 mg/kg	1.5	<1.5	mg/kg	<0.00015 %		<LOD
13	 nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	13.3 mg/kg	2.976	33.449	mg/kg	0.00334 %	✓	
14	 selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5	<1 mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
15	 vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1	19.5 mg/kg	1.785	29.415	mg/kg	0.00294 %	✓	

#	Determinand			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	zinc { zinc chromate }				45 mg/kg	2.774	105.487 mg/kg	0.0105 %		✓	
	024-007-00-3	236-878-9	13530-65-9								
17	TPH (C6 to C40) petroleum group				8.8 mg/kg		7.436 mg/kg	0.000744 %		✓	
			TPH								
18	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	603-181-00-X	216-653-1	1634-04-4								
19	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
20	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
21	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
22	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]								
23	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
24	pH				7.1 pH		7.1 pH	7.1 pH			
			PH								
25	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
26	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
27	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
28	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
29	phenanthrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-581-5	85-01-8								
30	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
31	fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-912-4	206-44-0								
32	pyrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-927-3	129-00-0								
33	benzo[a]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
34	chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
35	benzo[b]fluoranthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
36	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
37	benzo[a]pyrene; benzo[def]chrysene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
38	indeno[123-cd]pyrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-893-2	193-39-5								
39	dibenz[a,h]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
40	benzo[ghi]perylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-883-8	191-24-2								
41	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
	604-001-00-2	203-632-7	108-95-2								

#		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							
42		polychlorobiphenyls; PCB				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		602-039-00-4	215-648-1	1336-36-3							
43		sulfur { sulphur dichloride }				<20 mg/kg	3.211	<64.226 mg/kg	<0.00642 %		<LOD
		016-013-00-X	234-129-0	10545-99-0							
44		1-naphtol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		604-029-00-5	201-969-4	90-15-3							
45		coronene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
			205-881-7	191-07-1							
46		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<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]							
47		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]				<2 mg/kg		<2 mg/kg	<0.0002 %		<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]							
Total:									0.0396 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free phase liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00074%)

WAC results for sample: WS03-0.40--09/11/2023

WAC Settings: samples in this Job do not constitute a single population.

WAC limits used to evaluate this sample: "UK"

The WAC used in this report are the WAC defined for the inert, stable non-reactive hazardous and hazardous classes of landfill in the UK. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

The sample **PASSES** the Inert (Inert waste landfill) criteria.

The sample **PASSES** the SNRHW (Stable non-reactive hazardous waste in non-hazardous landfill) criteria.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits		
#	Determinand		User entered data	Inert waste landfill	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste landfill
1	TOC (total organic carbon)	%	0.39	3	5	6
2	LOI (loss on ignition)	%	3.63	-	-	10
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg	<0.01	6	-	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg	<0.03	1	-	-
5	Mineral oil (C10 to C40)	mg/kg	<5	500	-	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg	<2	100	-	-
7	pH	pH	7.1	-	>6	-
8	ANC (acid neutralisation capacity)	mol/kg	<0.1	-	-	-
Eluate Analysis 10:1						
9	arsenic	mg/kg	<0.05	0.5	2	25
10	barium	mg/kg	<0.05	20	100	300
11	cadmium	mg/kg	<0.01	0.04	1	5
12	chromium	mg/kg	<0.05	0.5	10	70
13	copper	mg/kg	<0.05	2	50	100
14	mercury	mg/kg	<0.01	0.01	0.2	2
15	molybdenum	mg/kg	<0.05	0.5	10	30
16	nickel	mg/kg	<0.05	0.4	10	40
17	lead	mg/kg	<0.05	0.5	10	50
18	antimony	mg/kg	<0.05	0.06	0.7	5
19	selenium	mg/kg	<0.05	0.1	0.5	7
20	zinc	mg/kg	<0.05	4	50	200
21	chloride	mg/kg	<50	800	15,000	25,000
22	fluoride	mg/kg	<10	10	150	500
23	sulphate	mg/kg	11.6	1,000	20,000	50,000
24	phenol index	mg/kg	<0.1	1	-	-
25	DOC (dissolved organic carbon)	mg/kg	169	500	800	1,000
26	TDS (total dissolved solids)	mg/kg	155	4,000	60,000	100,000

Key

	User supplied data
	Not applicable

Classification of sample: WS04-0.20--09/11/2023

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

Sample details

Sample name:	LoW Code:
WS04-0.20--09/11/2023	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14.3%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 14.3% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.9 mg/kg	1.32	8.939 mg/kg	0.000894 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				0.6 mg/kg	2.775	1.427 mg/kg	0.000143 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide }				0.8 mg/kg	3.22	2.208 mg/kg	0.000221 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10.7 mg/kg	1.462	13.402 mg/kg	0.00134 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8 mg/kg	2.27	<1.816 mg/kg	<0.000182 %		<LOD
	024-017-00-8									
7	copper { dicopper oxide; copper (I) oxide }				12.3 mg/kg	1.126	11.868 mg/kg	0.00119 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	16.7 mg/kg	1.56	22.324 mg/kg	0.00143 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				0.1 mg/kg	1.353	0.116 mg/kg	0.0000116 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				12.9 mg/kg	2.976	32.904 mg/kg	0.00329 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	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							
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				15.8 mg/kg	1.785	24.172 mg/kg	0.00242 %	✓	
	023-001-00-8	215-239-8	1314-62-1							
13	zinc { zinc chromate }				35.3 mg/kg	2.774	83.924 mg/kg	0.00839 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
14	TPH (C6 to C40) petroleum group				13.7 mg/kg		11.741 mg/kg	0.00117 %	✓	
			TPH							
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	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	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	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]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		7 pH		7 pH	7pH			
22	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-581-5	85-01-8								
27	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				0.05 mg/kg		0.0429 mg/kg	0.00000428 %	✓		
		205-912-4	206-44-0								
29	pyrene				0.04 mg/kg		0.0343 mg/kg	0.00000343 %	✓		
		204-927-3	129-00-0								
30	benzo[a]anthracene				0.02 mg/kg		0.0171 mg/kg	0.00000171 %	✓		
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				0.04 mg/kg		0.0343 mg/kg	0.00000343 %	✓		
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				0.04 mg/kg		0.0343 mg/kg	0.00000343 %	✓		
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				0.04 mg/kg		0.0343 mg/kg	0.00000343 %	✓		
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				0.02 mg/kg		0.0171 mg/kg	0.00000171 %	✓		
		205-883-8	191-24-2								
38	phenol				<6 mg/kg		<6 mg/kg	<0.0006 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
39	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	602-045-00-7	200-024-3	50-29-3								
40	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	602-047-00-8	200-349-0	57-74-9								

#		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										
41		hexachlorocyclohexanes, including lindane				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD	
	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1											
42		dieldrin (ISO)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	602-049-00-9	200-484-5	60-57-1											
43		endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	602-051-00-X	200-775-7	72-20-8											
44		heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	602-046-00-2	200-962-3	76-44-8											
45		aldrin (ISO)				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	602-048-00-3	206-215-8	309-00-2											
46	🌐	sulfur { sulphur dichloride }				<20	mg/kg	3.211	<64.226	mg/kg	<0.00642 %		<LOD	
	016-013-00-X	234-129-0	10545-99-0											
47		heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
	602-063-00-5	213-831-0	1024-57-3											
48	🌱	p,p'-DDE				0.043	mg/kg		0.0369	mg/kg	0.00000369 %	✓		
		200-784-6	72-55-9											
49	🌱	p,p'-DDD				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		200-783-0	72-54-8											
50	🌱	p,p'-methoxychlor				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD	
		200-779-9	72-43-5											
51		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD	
	602-052-00-5	204-079-4	115-29-7											
Total:												0.0282 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free phase liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00117%)

Classification of sample: WS05-0.20--09/11/2023

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

Sample details

Sample name:	LoW Code:
WS05-0.20--09/11/2023	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used	
		EU CLP index number	EC Number	CAS Number									
1		arsenic { arsenic trioxide }				10	mg/kg	1.32	11.223	mg/kg	0.00112 %	✓	
		033-003-00-0	215-481-4	1327-53-3									
2		beryllium { beryllium oxide }				0.7	mg/kg	2.775	1.651	mg/kg	0.000165 %	✓	
		004-003-00-8	215-133-1	1304-56-9									
3		boron { diboron trioxide }				0.8	mg/kg	3.22	2.19	mg/kg	0.000219 %	✓	
		005-008-00-8	215-125-8	1303-86-2									
4		cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
		048-002-00-0	215-146-2	1306-19-0									
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13.4	mg/kg	1.462	16.647	mg/kg	0.00166 %	✓	
			215-160-9	1308-38-9									
6		chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
		024-017-00-8											
7		copper { dicopper oxide; copper (I) oxide }				18.9	mg/kg	1.126	18.087	mg/kg	0.00181 %	✓	
		029-002-00-X	215-270-7	1317-39-1									
8		lead { lead chromate }			1	42.7	mg/kg	1.56	56.613	mg/kg	0.00363 %	✓	
		082-004-00-2	231-846-0	7758-97-6									
9		mercury { mercury dichloride }				0.6	mg/kg	1.353	0.69	mg/kg	0.000069 %	✓	
		080-010-00-X	231-299-8	7487-94-7									
10		nickel { nickel chromate }				12.5	mg/kg	2.976	31.623	mg/kg	0.00316 %	✓	
		028-035-00-7	238-766-5	14721-18-7									
11		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									
12		vanadium { divanadium pentaoxide; vanadium pentoxide }				18.8	mg/kg	1.785	28.527	mg/kg	0.00285 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
13		zinc { zinc chromate }				59.3	mg/kg	2.774	139.831	mg/kg	0.014 %	✓	
		024-007-00-3	236-878-9	13530-65-9									
14		TPH (C6 to C40) petroleum group				10.1	mg/kg		8.585	mg/kg	0.000859 %	✓	
				TPH									
15		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									

#	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	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	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]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH				6.8 pH		6.8 pH	6.8 pH			
			PH								
22	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				0.06 mg/kg		0.051 mg/kg	0.0000051 %	✓		
		201-581-5	85-01-8								
27	anthracene				0.02 mg/kg		0.017 mg/kg	0.0000017 %	✓		
		204-371-1	120-12-7								
28	fluoranthene				0.1 mg/kg		0.085 mg/kg	0.0000085 %	✓		
		205-912-4	206-44-0								
29	pyrene				0.08 mg/kg		0.068 mg/kg	0.0000068 %	✓		
		204-927-3	129-00-0								
30	benzo[a]anthracene				0.04 mg/kg		0.034 mg/kg	0.0000034 %	✓		
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				0.05 mg/kg		0.0425 mg/kg	0.00000425 %	✓		
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				0.07 mg/kg		0.0595 mg/kg	0.00000595 %	✓		
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				0.06 mg/kg		0.051 mg/kg	0.0000051 %	✓		
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				0.04 mg/kg		0.034 mg/kg	0.0000034 %	✓		
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				0.05 mg/kg		0.0425 mg/kg	0.00000425 %	✓		
		205-883-8	191-24-2								
38	phenol				<6 mg/kg		<6 mg/kg	<0.0006 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
39	sulfur { sulphur dichloride }				<20 mg/kg	3.211	<64.226 mg/kg	<0.00642 %			<LOD
	016-013-00-X	234-129-0	10545-99-0								
Total:									0.0373 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because No free phase liquid

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00085%)

Classification of sample: WS06-0.30--09/11/2023

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

Sample details

Sample name:	LoW Code:
WS06-0.30--09/11/2023	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11.9%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 11.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				10.3	mg/kg	1.32	11.981	mg/kg	0.0012 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	beryllium { beryllium oxide }				0.7	mg/kg	2.775	1.712	mg/kg	0.000171 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
3	boron { diboron trioxide }				<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
4	cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				15.1	mg/kg	1.462	19.443	mg/kg	0.00194 %	✓	
		215-160-9	1308-38-9									
6	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
7	copper { dicopper oxide; copper (I) oxide }				25.5	mg/kg	1.126	25.294	mg/kg	0.00253 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead chromate }			1	57.6	mg/kg	1.56	79.154	mg/kg	0.00507 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	mercury { mercury dichloride }				2.5	mg/kg	1.353	2.981	mg/kg	0.000298 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel chromate }				12.5	mg/kg	2.976	32.776	mg/kg	0.00328 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
11	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									
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				18.9	mg/kg	1.785	29.725	mg/kg	0.00297 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc chromate }				77.8	mg/kg	2.774	190.145	mg/kg	0.019 %	✓	
	024-007-00-3	236-878-9	13530-65-9									
14	TPH (C6 to C40) petroleum group		TPH		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
15	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									

#	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	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
17	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
18	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
19	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]								
20	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
21	pH		PH		6.7 pH		6.7 pH	6.7 pH			
22	naphthalene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
23	acenaphthylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		205-917-1	208-96-8								
24	acenaphthene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-469-6	83-32-9								
25	fluorene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		201-695-5	86-73-7								
26	phenanthrene				0.03 mg/kg		0.0264 mg/kg	0.00000264 %	✓		
		201-581-5	85-01-8								
27	anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
		204-371-1	120-12-7								
28	fluoranthene				0.09 mg/kg		0.0793 mg/kg	0.00000793 %	✓		
		205-912-4	206-44-0								
29	pyrene				0.09 mg/kg		0.0793 mg/kg	0.00000793 %	✓		
		204-927-3	129-00-0								
30	benzo[a]anthracene				0.03 mg/kg		0.0264 mg/kg	0.00000264 %	✓		
	601-033-00-9	200-280-6	56-55-3								
31	chrysene				0.05 mg/kg		0.0441 mg/kg	0.00000441 %	✓		
	601-048-00-0	205-923-4	218-01-9								
32	benzo[b]fluoranthene				0.07 mg/kg		0.0617 mg/kg	0.00000617 %	✓		
	601-034-00-4	205-911-9	205-99-2								
33	benzo[k]fluoranthene				0.04 mg/kg		0.0352 mg/kg	0.00000352 %	✓		
	601-036-00-5	205-916-6	207-08-9								
34	benzo[a]pyrene; benzo[def]chrysene				0.06 mg/kg		0.0529 mg/kg	0.00000529 %	✓		
	601-032-00-3	200-028-5	50-32-8								
35	indeno[123-cd]pyrene				0.04 mg/kg		0.0352 mg/kg	0.00000352 %	✓		
		205-893-2	193-39-5								
36	dibenz[a,h]anthracene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
37	benzo[ghi]perylene				0.05 mg/kg		0.0441 mg/kg	0.00000441 %	✓		
		205-883-8	191-24-2								
38	phenol				<6 mg/kg		<6 mg/kg	<0.0006 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
39	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				0.059 mg/kg		0.052 mg/kg	0.0000052 %	✓		
	602-045-00-7	200-024-3	50-29-3								
40	chlordan (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	602-047-00-8	200-349-0	57-74-9								

#		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											
41		hexachlorocyclohexanes, including lindane				<0.03 mg/kg			<0.03 mg/kg		<0.000003 %			<LOD	
	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1												
42		dieldrin (ISO)				0.055 mg/kg			0.0485 mg/kg		0.00000485 %		✓		
	602-049-00-9	200-484-5	60-57-1												
43		endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<0.01 mg/kg			<0.01 mg/kg		<0.000001 %			<LOD	
	602-051-00-X	200-775-7	72-20-8												
44		heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene				<0.01 mg/kg			<0.01 mg/kg		<0.000001 %			<LOD	
	602-046-00-2	200-962-3	76-44-8												
45		aldrin (ISO)				<0.01 mg/kg			<0.01 mg/kg		<0.000001 %			<LOD	
	602-048-00-3	206-215-8	309-00-2												
46	🌐	sulfur { sulphur dichloride }				<20 mg/kg		3.211	<64.226 mg/kg		<0.00642 %			<LOD	
	016-013-00-X	234-129-0	10545-99-0												
47		heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<0.01 mg/kg			<0.01 mg/kg		<0.000001 %			<LOD	
	602-063-00-5	213-831-0	1024-57-3												
48	🌱	p,p'-DDE				0.17 mg/kg			0.15 mg/kg		0.000015 %		✓		
		200-784-6	72-55-9												
49	🌱	p,p'-DDD				0.019 mg/kg			0.0167 mg/kg		0.00000167 %		✓		
		200-783-0	72-54-8												
50	🌱	p,p'-methoxychlor				<0.01 mg/kg			<0.01 mg/kg		<0.000001 %			<LOD	
		200-779-9	72-43-5												
51		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<0.02 mg/kg			<0.02 mg/kg		<0.000002 %			<LOD	
	602-052-00-5	204-079-4	115-29-7												
Total:												0.0445 %			

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

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

Description/Comments: Data from C&L Inventory Database
Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

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

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

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

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

■ **pH** (CAS Number: PH)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

▪ **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

GB MCL index number: 602-039-00-4
 Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans;

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

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

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

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

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

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

Data source date: 11 Jan 2018

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

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

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

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

Data source date: 11 Jan 2018

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

▪ **p,p'-methoxychlor** (EC Number: 200-779-9, CAS Number: 72-43-5)

Description/Comments: other names: Methoxychlor; DMDT; Dimethoxy-DDT; Methoxy-DDT; Methoxide; p,p'-Dimethoxydiphenyltrichloroethane; 1,1,1-Trichloro-2,2-bis(4-methoxyphenyl)ethane
 Data source: ECHA's C&L inventory database

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/112624>

Data source date: 11 Jan 2018

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , STOT RE 2; H373 , 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

beryllium {beryllium oxide}

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

boron {diboron trioxide}

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

cadmium {cadmium oxide}

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

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

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

chromium in 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

copper {dicopper oxide; copper (I) oxide}

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

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight

selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species selected

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight

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

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

sulfur {sulphur dichloride}

Worst case species selected

antimony {antimony trioxide}

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

barium {barium diboron tetraoxide}

There isn't enough barium and Cr(VI) to make the barium chromate; next worst case species selected

molybdenum {molybdenum(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2023.332.5826.10798 (28 Nov 2023)

HazWasteOnline Database: 2023.332.5826.10798 (28 Nov 2023)

This classification utilises the following guidance and legislation:

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

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

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