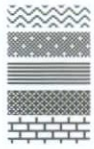
GENERAL LEGEND, ABBREVIATIONS AND INSTALLATION DETAILS

BEDROCK

Metamorphic bedrock
Igneous bedrock
Mudstone / Shale bedrock
Siltstone / Sandstone bedrock
Limestone bedrock



COLOUR

Light Grey	Gy_l
Medium Grey	Gy_m
Dark Grey	Gy_d
Blue/grey	Bl-Gy
Orange/Brown	Or-Bn
Black	Bk

GRAIN SIZE (Soil)

Clay (% of)	C(20)
Silt (% of)	St(20)
Sand (% of)	Sd(20)
Gravel (% of)	G(20)
Sand (Fine to Medium)	Sd_{F-M}
Gravel (Fine to Coarse Subangular to angular)	$G_{F-C\ SA-A}$

MONITORING POINT COMPLETIONS

TS/C1/PH1 Terminal Site/Couple no./Phreatic no.
PR/C2/P2 Peat Repository/Couple no./Piezometer no.
H7 Von Post humification scale
Push-on cap
Screen
Casing
Porous tip
Drive cone
P2 PH1 Piezometer no. and Phreatic tube no.
Bentonite pellets
Cement-Bentonite grout
Sand
Gravel pack, nominal 2-5mm in diameter
Damp, wet and water strike respectively
1/2/13 Static water table (At least 3 no. timed readings to show that is it static)

PLAN SKETCHES

PWS1 Percussion Window Sampler (PWS) boreholes
TP1 Hand dug trial pits / Shallow pit excavations (JCB)
100 BG PID in ppm Hydrocarbons with BG = background
99.791 Reduced levels - maOD Malin
Oil pipeline
Storage tanks (Over ground and underground)

OVERBURDEN (Description uses BS 5930 and GSI guidelines)

BOULDER(S) (>200mm)

COBBLES (60 to 200mm)

GRAVEL (Homogeneous larger sized particles from 2 to 60 mm)

SAND (General, if without grain size description) Particle sizes: 2 to 0.06mm. Three sub-categories distinguishable to the eye)

Coarse **SAND** (2-0.6mm)

Medium **SAND** (0.6-0.2mm)

Fine **SAND** (0.2-0.06mm)

SILT (0.06 - 0.002mm)

CLAYS (<0.002mm)

CONCRETE

CRUSHED STONE or AGGREGATE or TARMACADAM

LANDFILL (eg plastic, glass, wood, domestic waste, concrete etc.)

FILL OR BACKFILLED GROUND (unspecified)

COLLAPSED FORMATION (with possible voids) or **DRILL CHIPPINGS / MATERIAL RETURNED BY AIR FLUSH DRILLING**

LOSS (Blank - white)

TOP SOIL

PEAT (General) (with descriptions such as colour, plant remains evident, distinct H_2S smell etc) (H (Von Post) value associated commonly)

LS = Lab sample
MS = Minerex in-house sample
SS = Subsoil sample

MONITORING POINT DESIGN FOR SOFT SUBSOILS SUCH AS PEAT

Push-on, female cap

The cap is loosely fitted to allow easy removal. The piezometer is labelled using indellible ink inside and outside the cap. A small hole is drilled in the side to enable air movement in and out of the piezometer.

Casing up-stand

The upstand is the height of the casing above ground level in meters. The height depends on local groundwater and surface water circumstances. The piezometer number is scrapped onto the side of the casing near the cap as with time the writing on the cap wears off. Upstands vary from 0.3 to 1.0m in height. The convention is allow a higher upstand for those piezometers positioned at a higher level.

Casing

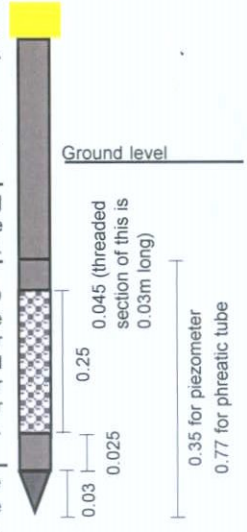
The casing is black or dark grey coloured, flush-threaded, uPVC. The OD is 26.80mm and the ID is 18.40. The casing is flush-threaded to the piezometer tip.

Tube or Piezometer tip

This section is installed opposite the required formation. There are two sections to the piezometer tip. The inner tube section is 18.40mm ID, white in colour and involves extruded microporous polyethylene. The outer comprises grey or black coloured uPVC with 10 x 0.013m diameter holes per 0.10m of piezometer tip. Therefore the surface area exposed to the formation (peat) is small. The piezometer tube tip is flush-threaded, either male or female, to the piezometer casing. Threaded part is 0.03m long. The phreatic tube tip is longer than the piezometer tube tip to allow for greater water level fluctuations.

Drive cone

This is grey coloured, solid, uPVC, pushed or screwed into the tube or piezometer tip. No glue has been used. If the ground is soft, a push-in button cap may be used instead of a drive cone.



NOTES:-
The phreatic tubes are pushed by hand into the peat. The piezometers are pushed or driven into the peat and mineral soil after a narrow diameter hole has been formed using overburden drilling (Cobra or Percussion Window Sampler) / coring equipment (Gouge corer). The tubes and piezometers have three main functions: water table measurements, water sampling, permeability measurements.

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Drill-027.ppt (CS 4/3/15)

Appendix E

CHEMISTRY DATABASE

REFERENCE CONCENTRATIONS

* Generic Assessment Criteria (GAC) (2015) for Human Health

Minerex Environmental

Public Open spaces near residential housing (POSresi)

* Guidance is presented in hierarchy as follows:
1. S4ULs GAC (most extensive, most recent, most credible, accepted industry standard in 2015 EPA Contaminated Land guidance refers to these MEL Doc. Ref. F1845)
2. C4SLs GAC (MEL Doc. Ref. F1855)
3. EIC/AGS/CL:AIRE GAC (MEL Doc. Ref. F1663)
4. SGVs GAC (MEL Doc. Ref. F1866)

That is, if a GAC value is not available in the first set of GACs then a value will be sought in the next and so forth (beaing in mind that SGVs might be out of date as a result of new research). **NOTE: to select the appropriate SOM range, TOC can be converted to SOM (soil organic matter) by multiplying TOC by 1.72. (Refer to F1865 for details)** and pick the closest GAC (Metals are less sensitive so typically only one GAC at 6% is provided, refer to F1845 intro for details).

PARAMETER / SUBSTANCE	Chemical Categories, Groups, Types and abbreviations: Inorganic Organic Aromatic Microbiological Organoleptic	PCB, PAH, PCT, BTEX, MO, TPH	Medium analysed: Medium analysed - soil - leachate - gas - water	Units	1% SOM	2.5% SOM	6% SOM	BH1-Comp SS6	BH1-SS5	BH1-SS3	BH2-SS5	BH2-SS2	BH2-Comp SS6	BH3-SS5	BH3-Comp SS6	BH4-Comp SS8	BH4-SS2	BH4-Comp SS9	BH5-Comp SS6	BH5-SS5	BH5-SS4
Acenaphthene	Organic	PAH	soil	mg/kg	15000	15000	15000	<0.008	<0.008	<0.008	<0.008	0.0376	0.0181	<0.008	0.034	<0.008	<0.008	<0.008	<0.008	0.0231	0.104
Acenaphythylene	Organic	PAH	soil	mg/kg	15000	15000	15000	<0.012	<0.012	<0.012	<0.012	0.0564	<0.012	0.0231	0.0509	0.0146	0.018	<0.012	<0.012	<0.012	0.0295
Anthracene	Aromatic	PAH	soil	mg/kg	74000	74000	74000	<0.016	<0.016	<0.016	<0.016	0.381	0.0584	<0.016	0.748	<0.016	<0.016	<0.016	<0.016	<0.016	0.124
Benzene	Aromatic	BTEX	soil	mg/kg	72	72	73	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo (a) anthracene	Aromatic	PAH	soil	mg/kg	29	29	29	0.0709	<0.014	0.0185	<0.014	1.56	0.295	<0.014	0.463	0.0254	0.0708	0.0179	0.0498	<0.014	<0.014
Benzo (a) pyrene	Aromatic	PAH	soil	mg/kg	5.7	5.7	5.7	0.0583	<0.015	0.0281	<0.015	1.39	0.332	<0.015	0.434	0.038	0.0815	0.0201	0.0371	<0.015	<0.015
Benzo (b) fluoranthene	Aromatic	PAH	soil	mg/kg	7.1	7.2	7.2	0.0655	0.0239	0.0316	<0.015	1.79	0.479	<0.015	0.599	0.0441	0.085	0.0295	0.0505	<0.015	<0.015
Benzo (g, h, i) perylene	Aromatic	PAH	soil	mg/kg	640	640	640	0.0468	0.0317	<0.024	<0.024	0.751	0.217	<0.014	0.243	0.0266	0.0402	<0.014	0.0172	<0.014	<0.024
Benzo (k) fluoranthene	Aromatic	PAH	soil	mg/kg	190	190	190	0.0273	0.0189	0.0193	<0.014	0.754	0.166	<0.024	0.257	0.0432	0.0516	<0.024	0.0306	<0.024	<0.014
Chrysene	Aromatic	PAH	soil	mg/kg	57	57	57	0.0432	0.0212	0.0185	<0.01	1.17	0.241	<0.01	0.367	0.0246	0.0705	0.0155	0.0285	<0.01	<0.01
Dibenzo (a, h) athracene	Aromatic		soil	mg/kg	0.57	0.57	0.58	<0.023	0.0329	<0.023	<0.023	0.204	0.0431	<0.023	0.0615	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Ethylbenzene	Aromatic	BTEX	soil	mg/kg	24000	24000	24000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.0271	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Fluoranthene	Aromatic	PAH	soil	mg/kg	3100	3100	3100	0.0715	<0.017	0.0422	<0.017	3.25	0.367	<0.017	0.909	0.0472	0.129	<0.017	0.0469	<0.017	0.0441
Fluorene	Organic	PAH	soil	mg/kg	9900	9900	9900	<0.01	<0.01	<0.01	<0.01	0.0537	<0.01	<0.01	0.0813	<0.01	<0.01	<0.01	<0.01	0.0445	0.445
Indeno (1,2,3-cd) pyrene	Aromatic	PAH	soil	mg/kg	82	82	82	0.0343	0.0271	<0.018	<0.018	0.722	0.147	<0.018	0.199	0.0274	0.0348	<0.018	<0.018	<0.018	<0.018
Naphthalene	Aromatic	PAH	soil	mg/kg	4900	4900	4900	0.0152	<0.009	<0.009	<0.009	0.0376	<0.009	<0.009	0.105	<0.009	0.0135	<0.009	<0.009	0.00995	0.0589
Phenanthrene	Aromatic	PAH	soil	mg/kg	3100	3100	3100	0.0701	<0.015	0.0345	<0.015	0.919	0.187	<0.015	0.74	0.0301	0.0969	0.0174	0.0358	0.0536	0.59
Phenol	Aromatic		soil	mg/kg	760 (11000)	1500	3200	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0329	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Pyrene	Organic		soil	mg/kg	7400	7400	7400	0.0647	<0.015	0.039	<0.015	2.53	0.368	<0.015	0.789	0.0408	0.122	0.025	0.0441	<0.015	0.0391
Toluene	Aromatic	BTEX	soil	mg/kg	56000	56000	56000	<0.002	0.0022	0.00595	0.00213	0.00325	0.00325	<0.002	0.0429	0.00345	0.00242	0.00226	<0.002	<0.002	<0.002
TPH (Aliphatic + Aromatic EC>44-70)	Organic	TPH	soil	mg/kg	3,800	3800	3800	196	<0.1	334	0.927	832	363	11.7	143	9.91	246	272	88.9	287	2180
TPH (Aliphatic EC >10-12)	Organic	TPH	soil	mg/kg	13,000	13000	13000	<0.01	<0.01	<0.01	<0.01	0.0163	0.0217	<0.01	0.568	0.023	<0.01	1.04	0.542	1.62	7.39
TPH (Aliphatic EC >12-16)	Organic	TPH	soil	mg/kg	13,000	13000	13000	<0.01	<0.1	2.09	<0.1	2.94	3.16	1.19	9.84	<0.1	1.63	53.3	17.7	94.5	672
TPH (Aliphatic EC >16-35)	Organic	TPH	soil	mg/kg	250,000	250000	250000	42.68	0.1	83.83	0.551	208	73.06	6.51	66.1	2.93	63.64	129.9	37.6	129.9	771
TPH (Aliphatic EC >35-44)	Organic	TPH	soil	mg/kg	250,000	250000	250000	40.7	<0.1	75.6	<0.1	172	82.2	<0.1	10.8	172	44.1	0.694	<0.1	1.16	<0.1
TPH (Aliphatic EC >6-8)	Organic	TPH	soil	mg/kg	600,000	610000	620000	<0.01	<0.01	<0.01	<0.01	0	0.0173	<0.01	0.103	<0.01	<0.01	0.0294	0.0239	0.105	1.16
TPH (Aliphatic EC >8-10)	Organic	TPH	soil	mg/kg	13,000	13000	13000	<0.01	<0.01	<0.01	<0.01	0	0.0184	<0.01	0.527	0.0138	<0.01	0.271	0.131	0.827	5.61
TPH (Aliphatic EC 5-6)	Organic	TPH	soil	mg/kg	570000 (304)	590000	600000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0328	<0.01	<0.01	0.0158	<0.01	<0.01	0.0267
TPH (Aromatic EC >10-12)	Organic	TPH	soil	mg/kg	5,000	5000	5000	<0.01	<0.01	<0.01	<0.01	0.0108	0.0152	<0.01	0.38	0.015	<0.01	0.695	0.361	1.08	4.93
TPH (Aromatic EC >12-16)	Organic	TPH	soil	mg/kg	5,100	5100	5100	<0.1	<0.1	0.202	0.237	1.59	0.941	0.859	3.29	<0.1	<0.1	12.1	5.97	16.6	278
TPH (Aromatic EC >16-21)	Organic	TPH	soil	mg/kg	3,800	3800	3800	1.64	<0.1	3.24	0.133	9.7	5.85	0.772	9.74	<0.1	3.47	36.7	13.2	27.2	325
TPH (Aromatic EC >21-35)	Organic	TPH	soil	mg/kg	3,800	3800	3800	44.4	<0.1	64.2	<0.1	205	73.3	2.39	26.3	2.62	67.3	30.1	10.4	13.3	115
TPH (Aromatic EC >35-44)	Organic	TPH	soil	mg/kg	3,800	3800	3800	66.1	<0.1	105	<0.1	232	125	<0.1	15.2	4.28	65.4	6.98	2.72	0.429	1.37
TPH (Aromatic EC >7-8)	Organic	TPH	soil	mg/kg	56,000	56000	56000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0429	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH (Aromatic EC >8-10)	Organic	TPH	soil	mg/kg	5,000	5000	5000	<0.01	<0.01	<0.01	<0.01	0.017	0.0184	<0.01	0.443	0.0104	<0.01	0.181	0.0878	0.551	3.74
TPH (Aromatic EC 5-7)	Organic	TPH	soil	mg/kg	56,000	56000	56000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Xylene - O	Aromatic	BTEX	soil	mg/kg	41000	42000	43000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.0283	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
No. of parameters	37	34	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37

ered Land at Heuston South Quarter
ER CHEMISTRY DATABASE

Minerex Environmental Limited

Brown coloured cells mean that [illegible]more reference concentration in the Regulations are exceeded

								Relevant water related Regulations							
		Main ID	Heuston South Quarter					Surface Water Regulations	Surface Water Regulations for drinking water (MAC)	Drinking Water Regulations No.2	Salmonid Regulations	Groundwater Regulations & Amendment (2016)	Dangerous Substances Regulations	Interim Guideline Values (IGV's)
		Other code & location	BH1	BH2	BH3	BH4	BH5							
		Date Sampled	9/21/2017	9/21/2017	9/22/2017	9/22/2017	9/22/2017							
Parameter	Units	Chemical category	Value	Value	Value	Value	Value	S.I. 272 of 2009	S.I. 294 of 1989	S.I. 122 of 2014	S.I. 293 of 1988	S.I. 9 of 2010 S.I. 366 of 2016	S.I. 12 of 2001	From EPA, 2004
Static Water Level	mbGL (metres below ground level)	Field parameter	1.60	1.61	2.58	2.41	2.23							
Temperature	°C	Field parameter	14.1	15.9	15.0	14.7	14.7	Not greater than a 1.5°C rise in ambient temperature outside the mixing zone.	25		21.5			25
pH	pH units	Field parameter	7.51	8.59	7.62	7.67	7.48	Soft water (Hardness ≤100mg/l $CaCO_3$) 4.5 to 9.0 Hard water (Hardness >100mg/l $CaCO_3$) 6.0 to 9.0		6 - 9.5	6 - 9.5			6.5 - 9.5
Electrical Conductivity	µS/cm	Field parameter	1109	445	980	425	830			2500 @ 20°C 2766 @ 25°C		800 @ 20°C 885 @ 25°C		1000 @ 20°C 1106 @ 25°C
Benzene	µg/l	VOCs	<7	<7	<7	<7	<7	50		1.00		0.75		1
Ethylbenzene	µg/l	VOCs	<5	<5	<5	<5	<5							10
m,p-Xylene	µg/l	VOCs	<8	<8	<8	<8	<8						10	10
o-Xylene	µg/l	VOCs	<3	<3	<3	<3	<3						10	10
Toluene	µg/l	VOCs	<4	<4	<4	<4	<4	10					10	10
Methyl tertiary butyl ether (MTBE)	µg/l	VOCs	<3	<3	<3	<3	<3							30
TPH / Oil & Greases	mg/l	Mineral Oil / Oils & Greases	<10	<10	<20	1.6	85.1				May not be present in such quantities as to form visible film on surface of water, impart a detectable hydrocarbon taste to fish, or produce harmful effects in fish.			0.01

Appendix F

Waste Classification Categories

MINEREX Waste Classification Categories.

Minerex file ref: Samp080.xls

Minerex Category	Reference	EWC Code	Waste Classification	Classification & Landfill Criteria
A	2003/33/EC (MEL Ref: F586)	17 05 04	INERT	Waste classified as non-Haz **(17-05-04)** which **meets Inert WAC limits** set out by the adopted EU Council Decision 2003/33/EC establishing criteria and procedures for the acceptance of waste at landfills pursuant to Article 16 and the Annex II of Directive 1993/31/EC (2002). Facility = Landfill for Inert waste.
B1a	2003/33/EC (MEL Ref: F586)	17 05 04	NON-HAZARDOUS	Waste classified as **i)** non-haz **(17 05 04)** which **exceeds meet Inert WAC limits**, and is **inorganic with low organic content**, or **ii)** hazardous **(17 05 03*)** but which **does not exceed Non-Haz WAC limits.** Facility = Landfill for non-hazardous waste (2 no. subcategories). **i) Category B1a** = Sites for waste that **does not meet Non-Haz WAC limits** for inorganic non-hazardous waste that may be co-diposed with stable non reactive hazardous waste **ii) Category B1b** = Sites for waste which **meet Non-Haz WAC limits**. NOTE: Hazardous (17 05 03*) waste which exceeds Non-Haz WAC limits must be disposed of in a Hazardous facility (Category C or D(Haz).
B1b	2003/33/EC (MEL Ref: F586)	17 05 04	NON-HAZARDOUS	
	2003/33/EC (MEL Ref: F586)	17 05 03*	STABLE NON REACTIVE HAZARDOUS	
B2	2003/33/EC (MEL Ref: F586)	17 05 04	NON-HAZARDOUS	Waste classified as Non-Haz **(17 05 04)** which **does not meet Inert WAC limits** and is mainly or **predominantoy organic / biodegradable**. Facility = Landfill for non-hazardous waste (Subcategory for predominantly organic waste. (This subcategory may be split agaian into a) bioreactor landfill and b) pretreated organic waste landfill. (Specific criteria may apply)
B3	2003/33/EC (MEL Ref: F586)	17 05 04	NON-HAZARDOUS	Waste classified as Non-Haz **(17 05 04)** which **does not meet Inert WAC limits** and no subclassification is desired and/or **the material is a mixture of organic and inorganic waste**. Facility = Landfill for non-hazardous waste (Subcategory for mixed MSW with a substantial content of both organic / biodegradable and inorganic waste (Specific criteria may apply))
C	2003/33/EC (MEL Ref: F586)	17 05 03*	HAZARDOUS	Waste classified as Hazardous **(17 05 03*)** which **meets Hazardous WAC limits**. Treatment can be carried out until Hazardous WAC limits are reached. Facility = Hazardous waste landfill (The waste may be unstabilised or stabilised / solidifed). With respect to Ireland, there are no such facilities, the material must be exported.
D(Haz)	2003/33/EC (MEL Ref: F586)	17 05 03*	HAZARDOUS	Waste classified as Hazardous **(17 05 03*)** which **does not meet hazardous WAC limits but does meet underground hazardous criteria**. Treatment can be carried out until underground hazardous criteria are met. Facility = Underground storage site for hazardous waste. With respect to Ireland, there are no such facilities, the material must be exported.
E1	n/a	17 05 04 with Asbestos	NON-HAZ with ASBESTOS (Asbestos <0.001%)	Waste classified as Non-Haz **(17 05 04)** and is contaminated with **very low levels of asbestos fibres (<0.001%)**. (Asbestos fibres NonHaz vs Haz classification threshold = 0.1%) Facility = landfill for non-hazardous waste, but specific criteria do apply.
E2	n/a	17 05 04 with Asbestos	NON-HAZ with ASBESTOS (Asbestos <0.1%)	Waste classified as Non-Haz **(17 05 04)** and is contaminated with **low levels of asbestos fibres (<0.1%)**. (Asbestos fibres NonHaz vs Haz classification threshold = 0.1%) Facility = landfill for non-hazardous waste, but specific criteria do apply.
F1	n/a	17 05 04 and 17 06 05*	HAZARDOUS with ASBESTOS (Asbestos >0.1%)	Waste classified as Non-Haz **(17 05 4)** and is contaminated with very **high levels of asbestos fibres (>0.1%)**. (Asbestos fibres NonHaz vs Haz classification threshold = 0.1%) Facility = hazardous waste facility i.e. exported.
F2	n/a	17 05 03* with Asbestos	HAZARDOUS with ASBESTOS (Asbestos < 0.1%)	Waste classified as Hazardous **(17 05 03*)** and is contaminated with very **low levels of asbestos fibres (<0.1%)**. (Asbestos fibres NonHaz vs Haz classification threshold = 0.1%) Facility = hazardous waste facility i.e. exported.
F3	n/a	17 05 03* and 17 06 05*	HAZARDOUS with ASBESTOS (Asbestos > 0.1%)	Waste classified as Hazardous **(17 05 03*)** and is contaminated with **high levels of asbestos fibres (<0.1%)**. (Asbestos fibres NonHaz vs Haz classification threshold = 0.1%) Facility = hazardous waste facility i.e. exported.
G	n/a	17 06 05*	HAZARDOUS (ASBESTOS) (Asbestos Material / ACMs)	Construction materials containing asbestos material and or Asbestos Containing Material (ACM). Facility = hazardous waste facility i.e. exported.

HazTool Classification Report

Minerex Environmental Limited

HazWasteOnline™

Waste Classification Report

M389Q-FNE3V-3M8XQ

Job name

2921 - Chartered Land - Soil Classification at Heuston South Quarter

Description/Comments

Project

Chartered Land

Site

Heuston South Quarter, Dublin.

Waste Stream Template

MEL SUITE

Classified by

Name:
Jen Caleno
Date:
06/10/2017 14:40:46 UTC
Telephone:
353-1-2964435

Company:
Minerex Environmental Limited
Taney Hall
Eglinton Terrace, Dundrum
Dublin 14

Report

Created by: Jen Caleno
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Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	BH1-CompSS6[1]	0.30-1.70	Non Hazardous		3
2	BH1-SS5[1]	1.9-4.0	Non Hazardous		6
3	BH1-SS3[1]	0.7-1.2	Non Hazardous		9
4	BH2-SS5[1]	2.1-4.0	Non Hazardous		12
5	BH3-SS5	2.7-4.0	Non Hazardous		15
6	BH3-Comp-SS6	0.4-2.5	Non Hazardous		18
7	BH4-CompSS8[1]	0.3-1.85	Non Hazardous		21
8	BH4-SS2[1]	0.4-0.7	Non Hazardous		24
9	BH4-CompSS9[1]	1.9-4.0	Non Hazardous		27
10	BH5-CompSS6[1]	0.4-2.3	Non Hazardous		30
11	BH5-SS5[1]	7.0-7.6	Non Hazardous		33
12	BH2-SS2	0.4-1.4	Non Hazardous		36
13	BH2-CompSS6[1]	0.4-1.9	Hazardous	HP 8	39
14	BH5-SS4[1]	2.6-5.9	Hazardous	HP 3(i), HP 7, HP 11	42

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	45
Appendix B: Rationale for selection of metal species	47
Appendix C: Version	48

Classification of sample: BH1-CompSS6[1]

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

Sample details

Sample Name:
BH1-CompSS6[1]
Sample Depth:
0.30-1.70 m
Moisture content:
11%
(dry weight correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		8.89	pH		8.89	pH	8.89 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.45	mg/kg	1.32	11.241	mg/kg	0.00112 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		61.6	mg/kg	1.117	61.961	mg/kg	0.0062 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.886	mg/kg	1.285	1.026	mg/kg	0.0000798 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		8.13	mg/kg	1.462	10.705	mg/kg	0.00107 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.2	mg/kg	1.126	18.461	mg/kg	0.00185 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16.2	mg/kg	1.56	22.765	mg/kg	0.00146 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		588	mg/kg	2.749	1455.996	mg/kg	0.146 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.547	mg/kg	1.353	0.667	mg/kg	0.0000667 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.15	mg/kg	1.5	2.906	mg/kg	0.000291 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		26.1	mg/kg	1.579	37.14	mg/kg	0.00371 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		zinc { zinc chromate }				65	mg/kg	2.774	162.45	mg/kg	0.0162 %	✓	
		024-007-00-3											
15		boron { boron tribromide/trichloride/trifluoride (combined) }				<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
				10294-33-4, 10294-34-5, 7637-07-2									
16		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											
17		polychlorobiphenyls; PCB				<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
18		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
19		naphthalene				0.0152	mg/kg		0.0137	mg/kg	0.00000137 %	✓	
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				0.0701	mg/kg		0.0632	mg/kg	0.00000632 %	✓	
			201-581-5	85-01-8									
24		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				0.0715	mg/kg		0.0644	mg/kg	0.00000644 %	✓	
			205-912-4	206-44-0									
26		pyrene				0.0647	mg/kg		0.0583	mg/kg	0.00000583 %	✓	
			204-927-3	129-00-0									
27		benzo[a]anthracene				0.0709	mg/kg		0.0639	mg/kg	0.00000639 %	✓	
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				0.0432	mg/kg		0.0389	mg/kg	0.00000389 %	✓	
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.0655	mg/kg		0.059	mg/kg	0.0000059 %	✓	
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.0273	mg/kg		0.0246	mg/kg	0.00000246 %	✓	
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				0.0583	mg/kg		0.0525	mg/kg	0.00000525 %	✓	
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.0343	mg/kg		0.0309	mg/kg	0.00000309 %	✓	
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				0.0468	mg/kg		0.0422	mg/kg	0.00000422 %	✓	
			205-883-8	191-24-2									
35		coronene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-881-7	191-07-1									
36		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
37		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
38		toluene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
39		xylene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
40		TPH (C6 to C40) petroleum group		TPH		196	mg/kg		176.577	mg/kg	0.0177 %	✓	
										Total:	0.197 %		

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 Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH1-SS5[1]

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

Sample details

Sample Name:
BH1-SS5[1]
Sample Depth:
1.9-4.0 m
Moisture content:
9.3%
(dry weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 9.3% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		8.71	pH		8.71	pH	8.71 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb_2O_4), pentoxide (Sb_2O_5), trisulphide (Sb_2S_3), pentasulphide (Sb_2S_5) and those specified elsewhere in this Annex }	051-003-00-9			1	<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.44	mg/kg	1.32	8.987	mg/kg	0.000899 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		59.2	mg/kg	1.117	60.473	mg/kg	0.00605 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.13	mg/kg	1.285	1.329	mg/kg	0.000103 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		7.29	mg/kg	1.462	9.748	mg/kg	0.000975 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13.4	mg/kg	1.126	13.803	mg/kg	0.00138 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	14.5	mg/kg	1.56	20.693	mg/kg	0.00133 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		882	mg/kg	2.749	2217.963	mg/kg	0.222 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.39	mg/kg	1.353	0.483	mg/kg	0.0000483 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.68	mg/kg	1.5	2.306	mg/kg	0.000231 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		23.6	mg/kg	1.579	34.104	mg/kg	0.00341 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.16	mg/kg	2.554	2.71	mg/kg	0.000271 %	✓	

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	zinc { zinc chromate }	024-007-00-3				59.1	mg/kg	2.774	150.002	mg/kg	0.015 %	✓	
15	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
16	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 }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
17	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
18	phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
20	acenaphthylene		205-917-1	208-96-8		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
21	acenaphthene		201-469-6	83-32-9		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
22	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	phenanthrene		201-581-5	85-01-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
24	anthracene		204-371-1	120-12-7		<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
25	fluoranthene		205-912-4	206-44-0		<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
26	pyrene		204-927-3	129-00-0		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
28	chrysene	601-048-00-0	205-923-4	218-01-9		0.0212	mg/kg		0.0194	mg/kg	0.00000194 %	✓	
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.0239	mg/kg		0.0219	mg/kg	0.00000219 %	✓	
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.0189	mg/kg		0.0173	mg/kg	0.00000173 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
32	indeno[123-cd]pyrene		205-893-2	193-39-5		0.0271	mg/kg		0.0248	mg/kg	0.00000248 %	✓	
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.0329	mg/kg		0.0301	mg/kg	0.00000301 %	✓	
34	benzo[ghi]perylene		205-883-8	191-24-2		0.0317	mg/kg		0.029	mg/kg	0.0000029 %	✓	
35	coronene		205-881-7	191-07-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
36	benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
37	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
38	toluene	601-021-00-3	203-625-9	108-88-3		0.0022	mg/kg		0.002	mg/kg	0.000000201 %	✓	
39	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
40		TPH (C6 to C40) petroleum group				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
				TPH							
								Total:	0.253 %		

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 Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH1-SS3[1]

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

Sample details

Sample Name:
BH1-SS3[1]
Sample Depth:
0.7-1.2 m
Moisture content:
16%
(dry weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		9.06	pH		9.06	pH	9.06 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	1.03	mg/kg		0.888	mg/kg	0.0000888 %	✓	
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.86	mg/kg	1.32	11.223	mg/kg	0.00112 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		44.8	mg/kg	1.117	43.12	mg/kg	0.00431 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.51	mg/kg	1.285	1.673	mg/kg	0.00013 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		15.3	mg/kg	1.462	19.277	mg/kg	0.00193 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		22.4	mg/kg	1.126	21.741	mg/kg	0.00217 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	21.8	mg/kg	1.56	29.314	mg/kg	0.00188 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		1050	mg/kg	2.749	2487.924	mg/kg	0.249 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.522	mg/kg	1.353	0.609	mg/kg	0.0000609 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.53	mg/kg	1.5	4.565	mg/kg	0.000457 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		38.3	mg/kg	1.579	52.151	mg/kg	0.00522 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1.03	mg/kg	2.554	2.267	mg/kg	0.000227 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		zinc { zinc chromate }				90.4	mg/kg	2.774	216.192	mg/kg	0.0216 %	✓	
		024-007-00-3											
15		boron { boron tribromide/trichloride/trifluoride (combined) }				<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
				10294-33-4, 10294-34-5, 7637-07-2									
16		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											
17		polychlorobiphenyls; PCB				<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
18		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
19		naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				0.0345	mg/kg		0.0297	mg/kg	0.00000297 %	✓	
			201-581-5	85-01-8									
24		anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				0.0422	mg/kg		0.0364	mg/kg	0.00000364 %	✓	
			205-912-4	206-44-0									
26		pyrene				0.039	mg/kg		0.0336	mg/kg	0.00000336 %	✓	
			204-927-3	129-00-0									
27		benzo[a]anthracene				0.0185	mg/kg		0.0159	mg/kg	0.00000159 %	✓	
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				0.0185	mg/kg		0.0159	mg/kg	0.00000159 %	✓	
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.0316	mg/kg		0.0272	mg/kg	0.00000272 %	✓	
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.0193	mg/kg		0.0166	mg/kg	0.00000166 %	✓	
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				0.0281	mg/kg		0.0242	mg/kg	0.00000242 %	✓	
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
35		coronene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-881-7	191-07-1									
36		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
37		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
38		toluene				0.0059	mg/kg		0.0051	mg/kg	0.000000513 %	✓	
		601-021-00-3	203-625-9	108-88-3									
39		xylene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
40		TPH (C6 to C40) petroleum group				334	mg/kg		287.931	mg/kg	0.0288 %	✓	
				TPH									
										Total:	0.318 %		

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 Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH2-SS5[1]

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

Sample details

Sample Name:
BH2-SS5[1]
Sample Depth:
2.1-4.0 m
Moisture content:
6.1%
(dry weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 6.1% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		9.38	pH		9.38	pH	9.38 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2.28	mg/kg	1.32	2.837	mg/kg	0.000284 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		10.1	mg/kg	1.117	10.628	mg/kg	0.00106 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.547	mg/kg	1.285	0.663	mg/kg	0.0000516 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		6.46	mg/kg	1.462	8.899	mg/kg	0.00089 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4.06	mg/kg	1.126	4.308	mg/kg	0.000431 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	3.47	mg/kg	1.56	5.101	mg/kg	0.000327 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		256	mg/kg	2.749	663.178	mg/kg	0.0663 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.318	mg/kg	1.353	0.406	mg/kg	0.0000406 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.777	mg/kg	1.5	1.099	mg/kg	0.00011 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		8.71	mg/kg	1.579	12.966	mg/kg	0.0013 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	zinc { zinc chromate }	024-007-00-3				18.1	mg/kg	2.774	47.325	mg/kg	0.00473 %	✓	
15	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
16	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 }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
17	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
18	phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
20	acenaphthylene		205-917-1	208-96-8		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
21	acenaphthene		201-469-6	83-32-9		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
22	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	phenanthrene		201-581-5	85-01-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
24	anthracene		204-371-1	120-12-7		<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
25	fluoranthene		205-912-4	206-44-0		<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
26	pyrene		204-927-3	129-00-0		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
28	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
32	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
34	benzo[ghi]perylene		205-883-8	191-24-2		<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
35	coronene		205-881-7	191-07-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
36	benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
37	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
38	toluene	601-021-00-3	203-625-9	108-88-3		0.0021	mg/kg		0.002	mg/kg	0.000000201 %	✓	
39	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
40		TPH (C6 to C40) petroleum group				0.927 mg/kg		0.874 mg/kg	0.0000874 %	✓	
				TPH							
								Total:	0.0775 %		

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 Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH3-SS5

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

Sample details

Sample Name:
BH3-SS5
Sample Depth:
2.7-4.0 m
Moisture content:
7.3%
(dry weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 7.3% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		9.2	pH		9.2	pH	9.2 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.16	mg/kg	1.32	5.119	mg/kg	0.000512 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		14.9	mg/kg	1.117	15.504	mg/kg	0.00155 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.16	mg/kg	1.285	1.389	mg/kg	0.000108 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		3.16	mg/kg	1.462	4.304	mg/kg	0.00043 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.74	mg/kg	1.126	6.023	mg/kg	0.000602 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	8.11	mg/kg	1.56	11.789	mg/kg	0.000756 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		464	mg/kg	2.749	1188.568	mg/kg	0.119 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.239	mg/kg	1.353	0.301	mg/kg	0.0000301 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.03	mg/kg	1.5	1.44	mg/kg	0.000144 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9.33	mg/kg	1.579	13.734	mg/kg	0.00137 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	zinc { zinc chromate }	024-007-00-3				31	mg/kg	2.774	80.148	mg/kg	0.00801 %	✓	
15	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
16	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 }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
17	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
18	phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
20	acenaphthylene		205-917-1	208-96-8		0.0231	mg/kg		0.0215	mg/kg	0.00000215 %	✓	
21	acenaphthene		201-469-6	83-32-9		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
22	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	phenanthrene		201-581-5	85-01-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
24	anthracene		204-371-1	120-12-7		<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
25	fluoranthene		205-912-4	206-44-0		<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
26	pyrene		204-927-3	129-00-0		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
28	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
32	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
34	benzo[ghi]perylene		205-883-8	191-24-2		<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
35	coronene		205-881-7	191-07-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
36	benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
37	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
38	toluene	601-021-00-3	203-625-9	108-88-3		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
39	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
40		TPH (C6 to C40) petroleum group		TPH		11.7	mg/kg		10.904	mg/kg	0.00109 %	✓	
										Total:	0.135 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH3-Comp-SS6

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

Sample details

Sample Name:
BH3-Comp-SS6
Sample Depth:
0.4-2.5 m
Moisture content:
11%
(dry weight correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		10.9	pH		10.9	pH	10.9 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	0.687	mg/kg		0.619	mg/kg	0.0000619 %	✓	
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.41	mg/kg	1.32	11.193	mg/kg	0.00112 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		102	mg/kg	1.117	102.598	mg/kg	0.0103 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.35	mg/kg	1.285	1.563	mg/kg	0.000122 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		6.98	mg/kg	1.462	9.191	mg/kg	0.000919 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		26.5	mg/kg	1.126	26.879	mg/kg	0.00269 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	67.8	mg/kg	1.56	95.275	mg/kg	0.00611 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		867	mg/kg	2.749	2146.851	mg/kg	0.215 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.642	mg/kg	1.353	0.783	mg/kg	0.0000783 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.01	mg/kg	1.5	2.717	mg/kg	0.000272 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		28.2	mg/kg	1.579	40.128	mg/kg	0.00401 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
14		zinc { zinc chromate }				112	mg/kg	2.774	279.914	mg/kg	0.028 %	✓	
		024-007-00-3											
15		boron { boron tribromide/trichloride/trifluoride (combined) }				<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
				10294-33-4, 10294-34-5, 7637-07-2									
16		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											
17		polychlorobiphenyls; PCB				<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
18		phenol				0.0329	mg/kg		0.0296	mg/kg	0.00000296 %	✓	
		604-001-00-2	203-632-7	108-95-2									
19		naphthalene				0.105	mg/kg		0.0946	mg/kg	0.00000946 %	✓	
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				0.0509	mg/kg		0.0459	mg/kg	0.00000459 %	✓	
			205-917-1	208-96-8									
21		acenaphthene				0.034	mg/kg		0.0306	mg/kg	0.00000306 %	✓	
			201-469-6	83-32-9									
22		fluorene				0.0813	mg/kg		0.0732	mg/kg	0.00000732 %	✓	
			201-695-5	86-73-7									
23		phenanthrene				0.74	mg/kg		0.667	mg/kg	0.0000667 %	✓	
			201-581-5	85-01-8									
24		anthracene				0.748	mg/kg		0.674	mg/kg	0.0000674 %	✓	
			204-371-1	120-12-7									
25		fluoranthene				0.909	mg/kg		0.819	mg/kg	0.0000819 %	✓	
			205-912-4	206-44-0									
26		pyrene				0.789	mg/kg		0.711	mg/kg	0.0000711 %	✓	
			204-927-3	129-00-0									
27		benzo[a]anthracene				0.463	mg/kg		0.417	mg/kg	0.0000417 %	✓	
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				0.367	mg/kg		0.331	mg/kg	0.0000331 %	✓	
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.599	mg/kg		0.54	mg/kg	0.000054 %	✓	
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.243	mg/kg		0.219	mg/kg	0.0000219 %	✓	
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				0.434	mg/kg		0.391	mg/kg	0.0000391 %	✓	
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.199	mg/kg		0.179	mg/kg	0.0000179 %	✓	
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.0615	mg/kg		0.0554	mg/kg	0.00000554 %	✓	
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				0.257	mg/kg		0.232	mg/kg	0.0000232 %	✓	
			205-883-8	191-24-2									
35		coronene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-881-7	191-07-1									
36		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
37		ethylbenzene				0.0271	mg/kg		0.0244	mg/kg	0.00000244 %	✓	
		601-023-00-4	202-849-4	100-41-4									
38		toluene				0.0429	mg/kg		0.0386	mg/kg	0.00000386 %	✓	
		601-021-00-3	203-625-9	108-88-3									
39		xylene				0.0656	mg/kg		0.0591	mg/kg	0.00000591 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
40		TPH (C6 to C40) petroleum group		TPH		143	mg/kg		128.829	mg/kg	0.0129 %	✓	
										Total:	0.284 %		

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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH4-CompSS8[1]

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

Sample details

Sample Name:
BH4-CompSS8[1]
Sample Depth:
0.3-1.85 m
Moisture content:
13%
(dry weight correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		10.2	pH		10.2	pH	10.2 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	1.1	mg/kg		0.973	mg/kg	0.0000973 %	✓	
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.75	mg/kg	1.32	9.055	mg/kg	0.000906 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		60	mg/kg	1.117	59.283	mg/kg	0.00593 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.53	mg/kg	1.285	1.74	mg/kg	0.000135 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		7.9	mg/kg	1.462	10.218	mg/kg	0.00102 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.9	mg/kg	1.126	18.831	mg/kg	0.00188 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	22.6	mg/kg	1.56	31.196	mg/kg	0.002 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		640	mg/kg	2.749	1556.709	mg/kg	0.156 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.55	mg/kg	1.353	0.659	mg/kg	0.0000659 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.37	mg/kg	1.5	4.474	mg/kg	0.000447 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		28.4	mg/kg	1.579	39.697	mg/kg	0.00397 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	zinc { zinc chromate }	024-007-00-3				79.6	mg/kg	2.774	195.418	mg/kg	0.0195 %	✓	
15	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
16	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 }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
17	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
18	phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
20	acenaphthylene		205-917-1	208-96-8		0.0146	mg/kg		0.0129	mg/kg	0.00000129 %	✓	
21	acenaphthene		201-469-6	83-32-9		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
22	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	phenanthrene		201-581-5	85-01-8		0.0301	mg/kg		0.0266	mg/kg	0.00000266 %	✓	
24	anthracene		204-371-1	120-12-7		<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
25	fluoranthene		205-912-4	206-44-0		0.0472	mg/kg		0.0418	mg/kg	0.00000418 %	✓	
26	pyrene		204-927-3	129-00-0		0.0408	mg/kg		0.0361	mg/kg	0.00000361 %	✓	
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.0254	mg/kg		0.0225	mg/kg	0.00000225 %	✓	
28	chrysene	601-048-00-0	205-923-4	218-01-9		0.0246	mg/kg		0.0218	mg/kg	0.00000218 %	✓	
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.0441	mg/kg		0.039	mg/kg	0.0000039 %	✓	
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.0266	mg/kg		0.0235	mg/kg	0.00000235 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.038	mg/kg		0.0336	mg/kg	0.00000336 %	✓	
32	indeno[123-cd]pyrene		205-893-2	193-39-5		0.0274	mg/kg		0.0242	mg/kg	0.00000242 %	✓	
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
34	benzo[ghi]perylene		205-883-8	191-24-2		0.0432	mg/kg		0.0382	mg/kg	0.00000382 %	✓	
35	coronene		205-881-7	191-07-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
36	benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
37	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
38	toluene	601-021-00-3	203-625-9	108-88-3		0.0034	mg/kg		0.003	mg/kg	0.000000305 %	✓	
39	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
40		TPH (C6 to C40) petroleum group				9.91 mg/kg		8.77 mg/kg	0.000877 %	✓	
				TPH							
								Total:	0.194 %		

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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH4-SS2[1]

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

Sample details

Sample Name:
BH4-SS2[1]
Sample Depth:
0.4-0.7 m
Moisture content:
17%
(dry weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		8.5	pH		8.5	pH	8.5 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	1.22	mg/kg		1.043	mg/kg	0.000104 %	✓	
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		10.4	mg/kg	1.32	11.736	mg/kg	0.00117 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		62	mg/kg	1.117	59.165	mg/kg	0.00592 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	3.14	mg/kg	1.285	3.449	mg/kg	0.000268 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		21.3	mg/kg	1.462	26.608	mg/kg	0.00266 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		26.7	mg/kg	1.126	25.693	mg/kg	0.00257 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	47.7	mg/kg	1.56	63.592	mg/kg	0.00408 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		891	mg/kg	2.749	2093.137	mg/kg	0.209 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.594	mg/kg	1.353	0.687	mg/kg	0.0000687 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.23	mg/kg	1.5	4.142	mg/kg	0.000414 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		44.8	mg/kg	1.579	60.48	mg/kg	0.00605 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
14	zinc { zinc chromate }	024-007-00-3				101 mg/kg	2.774	239.478 mg/kg	0.0239 %	✓	
15	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<1 mg/kg	13.43	<13.43 mg/kg	<0.00134 %		<LOD
16	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 }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
17	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.021 mg/kg		<0.021 mg/kg	<0.0000021 %		<LOD
18	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
19	naphthalene	601-052-00-2	202-049-5	91-20-3		0.0135 mg/kg		0.0115 mg/kg	0.00000115 %	✓	
20	acenaphthylene		205-917-1	208-96-8		0.018 mg/kg		0.0154 mg/kg	0.00000154 %	✓	
21	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
22	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	phenanthrene		201-581-5	85-01-8		0.0969 mg/kg		0.0828 mg/kg	0.00000828 %	✓	
24	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
25	fluoranthene		205-912-4	206-44-0		0.129 mg/kg		0.11 mg/kg	0.000011 %	✓	
26	pyrene		204-927-3	129-00-0		0.122 mg/kg		0.104 mg/kg	0.0000104 %	✓	
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.0708 mg/kg		0.0605 mg/kg	0.00000605 %	✓	
28	chrysene	601-048-00-0	205-923-4	218-01-9		0.0705 mg/kg		0.0603 mg/kg	0.00000603 %	✓	
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.085 mg/kg		0.0726 mg/kg	0.00000726 %	✓	
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.0402 mg/kg		0.0344 mg/kg	0.00000344 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.0815 mg/kg		0.0697 mg/kg	0.00000697 %	✓	
32	indeno[123-cd]pyrene		205-893-2	193-39-5		0.0348 mg/kg		0.0297 mg/kg	0.00000297 %	✓	
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
34	benzo[ghi]perylene		205-883-8	191-24-2		0.0516 mg/kg		0.0441 mg/kg	0.00000441 %	✓	
35	coronene		205-881-7	191-07-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
36	benzene	601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
37	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
38	toluene	601-021-00-3	203-625-9	108-88-3		0.0024 mg/kg		0.002 mg/kg	0.000000207 %	✓	
39	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
40		TPH (C6 to C40) petroleum group				246 mg/kg		210.256 mg/kg	0.021 %	✓	
				TPH							
								Total:	0.279 %		

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 Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH4-CompSS9[1]

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

Sample details

Sample Name:
BH4-CompSS9[1]
Sample Depth:
1.9-4.0 m
Moisture content:
12%
(dry weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 12% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		8.82	pH		8.82	pH	8.82 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	0.639	mg/kg		0.571	mg/kg	0.0000571 %	✓	
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		7.48	mg/kg	1.32	8.818	mg/kg	0.000882 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		54.9	mg/kg	1.117	54.729	mg/kg	0.00547 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.15	mg/kg	1.285	1.32	mg/kg	0.000103 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		4.56	mg/kg	1.462	5.951	mg/kg	0.000595 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13.7	mg/kg	1.126	13.772	mg/kg	0.00138 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	30	mg/kg	1.56	41.781	mg/kg	0.00268 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		711	mg/kg	2.749	1744.847	mg/kg	0.174 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.417	mg/kg	1.353	0.504	mg/kg	0.0000504 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.14	mg/kg	1.5	2.866	mg/kg	0.000287 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		19.7	mg/kg	1.579	27.782	mg/kg	0.00278 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
14	zinc { zinc chromate }				69.6	mg/kg	2.774	172.393	mg/kg	0.0172 %	✓	
	024-007-00-3											
15	boron { boron tribromide/trichloride/trifluoride (combined) }				<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
			10294-33-4, 10294-34-5, 7637-07-2									
16	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											
17	polychlorobiphenyls; PCB				<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
	602-039-00-4	215-648-1	1336-36-3									
18	phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
19	naphthalene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
20	acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
		205-917-1	208-96-8									
21	acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		201-469-6	83-32-9									
22	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7									
23	phenanthrene				0.0174	mg/kg		0.0155	mg/kg	0.00000155 %	✓	
		201-581-5	85-01-8									
24	anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
		204-371-1	120-12-7									
25	fluoranthene				<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
		205-912-4	206-44-0									
26	pyrene				0.025	mg/kg		0.0223	mg/kg	0.00000223 %	✓	
		204-927-3	129-00-0									
27	benzo[a]anthracene				0.0179	mg/kg		0.016	mg/kg	0.0000016 %	✓	
	601-033-00-9	200-280-6	56-55-3									
28	chrysene				0.0155	mg/kg		0.0138	mg/kg	0.00000138 %	✓	
	601-048-00-0	205-923-4	218-01-9									
29	benzo[b]fluoranthene				0.0295	mg/kg		0.0263	mg/kg	0.00000263 %	✓	
	601-034-00-4	205-911-9	205-99-2									
30	benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
31	benzo[a]pyrene; benzo[def]chrysene				0.0201	mg/kg		0.0179	mg/kg	0.00000179 %	✓	
	601-032-00-3	200-028-5	50-32-8									
32	indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
		205-893-2	193-39-5									
33	dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
34	benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
		205-883-8	191-24-2									
35	coronene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		205-881-7	191-07-1									
36	benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
37	ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
38	toluene				0.0022	mg/kg		0.002	mg/kg	0.000000202 %	✓	
	601-021-00-3	203-625-9	108-88-3									
39	xylene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
40		TPH (C6 to C40) petroleum group		TPH		272	mg/kg		242.857	mg/kg	0.0243 %	✓	
										Total:	0.232 %		

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 Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH5-CompSS6[1]

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

Sample details

Sample Name:
BH5-CompSS6[1]
Sample Depth:
0.4-2.3 m
Moisture content:
12%
(dry weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 12% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		8.5	pH		8.5	pH	8.5 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	1.16	mg/kg		1.036	mg/kg	0.000104 %	✓	
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		9.05	mg/kg	1.32	10.669	mg/kg	0.00107 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		38.7	mg/kg	1.117	38.579	mg/kg	0.00386 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.43	mg/kg	1.285	1.641	mg/kg	0.000128 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		4.87	mg/kg	1.462	6.355	mg/kg	0.000636 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18.4	mg/kg	1.126	18.497	mg/kg	0.00185 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	38	mg/kg	1.56	52.922	mg/kg	0.00339 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		593	mg/kg	2.749	1455.266	mg/kg	0.146 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.412	mg/kg	1.353	0.498	mg/kg	0.0000498 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.4	mg/kg	1.5	4.554	mg/kg	0.000455 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		33.2	mg/kg	1.579	46.821	mg/kg	0.00468 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
14	zinc { zinc chromate }	024-007-00-3				83.1 mg/kg	2.774	205.832 mg/kg	0.0206 %	✓	
15	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<1 mg/kg	13.43	<13.43 mg/kg	<0.00134 %		<LOD
16	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 }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
17	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.021 mg/kg		<0.021 mg/kg	<0.0000021 %		<LOD
18	phenol	604-001-00-2	203-632-7	108-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
19	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
20	acenaphthylene		205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
21	acenaphthene		201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
22	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23	phenanthrene		201-581-5	85-01-8		0.0358 mg/kg		0.032 mg/kg	0.0000032 %	✓	
24	anthracene		204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
25	fluoranthene		205-912-4	206-44-0		0.0469 mg/kg		0.0419 mg/kg	0.00000419 %	✓	
26	pyrene		204-927-3	129-00-0		0.0441 mg/kg		0.0394 mg/kg	0.00000394 %	✓	
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.0498 mg/kg		0.0445 mg/kg	0.00000445 %	✓	
28	chrysene	601-048-00-0	205-923-4	218-01-9		0.0285 mg/kg		0.0254 mg/kg	0.00000254 %	✓	
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.0505 mg/kg		0.0451 mg/kg	0.00000451 %	✓	
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.0172 mg/kg		0.0154 mg/kg	0.00000154 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.0371 mg/kg		0.0331 mg/kg	0.00000331 %	✓	
32	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
34	benzo[ghi]perylene		205-883-8	191-24-2		0.0306 mg/kg		0.0273 mg/kg	0.00000273 %	✓	
35	coronene		205-881-7	191-07-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
36	benzene	601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
37	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
38	toluene	601-021-00-3	203-625-9	108-88-3		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
39	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
40		TPH (C6 to C40) petroleum group				88.9 mg/kg		79.375 mg/kg	0.00794 %	✓	
				TPH							
								Total:	0.192 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH5-SS5[1]

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

Sample details

Sample Name:
BH5-SS5[1]
Sample Depth:
7.0-7.6 m
Moisture content:
8%
(dry weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		8.8	pH		8.8	pH	8.8 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3.9	mg/kg	1.32	4.768	mg/kg	0.000477 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		28.4	mg/kg	1.117	29.36	mg/kg	0.00294 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.684	mg/kg	1.285	0.814	mg/kg	0.0000633 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		7.36	mg/kg	1.462	9.96	mg/kg	0.000996 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6.92	mg/kg	1.126	7.214	mg/kg	0.000721 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	8.73	mg/kg	1.56	12.609	mg/kg	0.000808 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		522	mg/kg	2.749	1328.473	mg/kg	0.133 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.353	mg/kg	1.353	0.442	mg/kg	0.0000442 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.93	mg/kg	1.5	2.681	mg/kg	0.000268 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15.6	mg/kg	1.579	22.815	mg/kg	0.00228 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	zinc { zinc chromate }	024-007-00-3				81.5	mg/kg	2.774	209.345	mg/kg	0.0209 %	✓	
15	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
16	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 }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
17	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
18	phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19	naphthalene	601-052-00-2	202-049-5	91-20-3		0.0099	mg/kg		0.0092	mg/kg	0.000000921 %	✓	
20	acenaphthylene		205-917-1	208-96-8		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
21	acenaphthene		201-469-6	83-32-9		0.0231	mg/kg		0.0214	mg/kg	0.00000214 %	✓	
22	fluorene		201-695-5	86-73-7		0.0445	mg/kg		0.0412	mg/kg	0.00000412 %	✓	
23	phenanthrene		201-581-5	85-01-8		0.0536	mg/kg		0.0496	mg/kg	0.00000496 %	✓	
24	anthracene		204-371-1	120-12-7		<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
25	fluoranthene		205-912-4	206-44-0		<0.017	mg/kg		<0.017	mg/kg	<0.0000017 %		<LOD
26	pyrene		204-927-3	129-00-0		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
28	chrysene	601-048-00-0	205-923-4	218-01-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
32	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
34	benzo[ghi]perylene		205-883-8	191-24-2		<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
35	coronene		205-881-7	191-07-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
36	benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
37	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
38	toluene	601-021-00-3	203-625-9	108-88-3		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
39	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
40		TPH (C6 to C40) petroleum group		TPH		287	mg/kg		265.741	mg/kg	0.0266 %	✓	
										Total:	0.191 %		

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 Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH2-SS2

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

Sample details

Sample Name:
BH2-SS2
Sample Depth:
0.4-1.4 m
Moisture content:
7.7%
(dry weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 7.7% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		11.4	pH		11.4	pH	11.4 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb_2O_4), pentoxide (Sb_2O_5), trisulphide (Sb_2S_3), pentasulphide (Sb_2S_5) and those specified elsewhere in this Annex }	051-003-00-9			1	<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		6.54	mg/kg	1.32	8.018	mg/kg	0.000802 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		128	mg/kg	1.117	132.695	mg/kg	0.0133 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.528	mg/kg	1.285	0.63	mg/kg	0.000049 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		11.5	mg/kg	1.462	15.606	mg/kg	0.00156 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13.2	mg/kg	1.126	13.799	mg/kg	0.00138 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	21.9	mg/kg	1.56	31.718	mg/kg	0.00203 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		490	mg/kg	2.749	1250.507	mg/kg	0.125 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.558	mg/kg	1.353	0.701	mg/kg	0.0000701 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.27	mg/kg	1.5	1.769	mg/kg	0.000177 %	✓	
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		21.3	mg/kg	1.579	31.238	mg/kg	0.00312 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	zinc { zinc chromate }	024-007-00-3				158	mg/kg	2.774	406.978	mg/kg	0.0407 %	✓	
15	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
16	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 }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
17	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
18	phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19	naphthalene	601-052-00-2	202-049-5	91-20-3		0.0376	mg/kg		0.0349	mg/kg	0.00000349 %	✓	
20	acenaphthylene		205-917-1	208-96-8		0.0564	mg/kg		0.0524	mg/kg	0.00000524 %	✓	
21	acenaphthene		201-469-6	83-32-9		0.0376	mg/kg		0.0349	mg/kg	0.00000349 %	✓	
22	fluorene		201-695-5	86-73-7		0.0537	mg/kg		0.0499	mg/kg	0.00000499 %	✓	
23	phenanthrene		201-581-5	85-01-8		0.919	mg/kg		0.853	mg/kg	0.0000853 %	✓	
24	anthracene		204-371-1	120-12-7		0.381	mg/kg		0.354	mg/kg	0.0000354 %	✓	
25	fluoranthene		205-912-4	206-44-0		3.25	mg/kg		3.018	mg/kg	0.000302 %	✓	
26	pyrene		204-927-3	129-00-0		2.53	mg/kg		2.349	mg/kg	0.000235 %	✓	
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.56	mg/kg		1.448	mg/kg	0.000145 %	✓	
28	chrysene	601-048-00-0	205-923-4	218-01-9		1.17	mg/kg		1.086	mg/kg	0.000109 %	✓	
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.79	mg/kg		1.662	mg/kg	0.000166 %	✓	
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.751	mg/kg		0.697	mg/kg	0.0000697 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.39	mg/kg		1.291	mg/kg	0.000129 %	✓	
32	indeno[123-cd]pyrene		205-893-2	193-39-5		0.722	mg/kg		0.67	mg/kg	0.000067 %	✓	
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.204	mg/kg		0.189	mg/kg	0.0000189 %	✓	
34	benzo[ghi]perylene		205-883-8	191-24-2		0.754	mg/kg		0.7	mg/kg	0.00007 %	✓	
35	coronene		205-881-7	191-07-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
36	benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
37	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
38	toluene	601-021-00-3	203-625-9	108-88-3		0.0032	mg/kg		0.003	mg/kg	0.000000302 %	✓	
39	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
40		TPH (C6 to C40) petroleum group				832	mg/kg		772.516	mg/kg	0.0773 %	✓	
				TPH									
										Total:	0.269 %		

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 Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH2-CompSS6[1]

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

Sample details

Sample Name:
BH2-CompSS6[1]
Sample Depth:
0.4-1.9 m
Moisture content:
7.7%
(dry weight correction)

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

Hazard properties

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

Risk phrases hit:

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

Because of determinand:

pH: (conc.: 11.5 pH)

Determinands

Moisture content: 7.7% Dry Weight Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	pH			PH		11.5	pH		11.5	pH	11.5 pH		
2	antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9			1	<0.6	mg/kg		<0.6	mg/kg	<0.00006 %		<LOD
3	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		4.98	mg/kg	1.32	6.105	mg/kg	0.000611 %	✓	
4	barium { barium oxide }		215-127-9	1304-28-5		38.8	mg/kg	1.117	40.223	mg/kg	0.00402 %	✓	
5	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.552	mg/kg	1.285	0.659	mg/kg	0.0000513 %	✓	
6	chromium { chromium(III) oxide }		215-160-9	1308-38-9		6.26	mg/kg	1.462	8.495	mg/kg	0.00085 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9.2	mg/kg	1.126	9.618	mg/kg	0.000962 %	✓	
8	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15	mg/kg	1.56	21.724	mg/kg	0.00139 %	✓	
9	manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		482	mg/kg	2.749	1230.091	mg/kg	0.123 %	✓	
10	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.451	mg/kg	1.353	0.567	mg/kg	0.0000567 %	✓	
11	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.811	mg/kg	1.5	1.13	mg/kg	0.000113 %	✓	

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
12	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12.4	mg/kg	1.579	18.186	mg/kg	0.00182 %	✓	
13	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14	zinc { zinc chromate }	024-007-00-3				43.7	mg/kg	2.774	112.563	mg/kg	0.0113 %	✓	
15	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
16	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 }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
17	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
18	phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<LOD
20	acenaphthylene		205-917-1	208-96-8		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
21	acenaphthene		201-469-6	83-32-9		0.0181	mg/kg		0.0168	mg/kg	0.00000168 %	✓	
22	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
23	phenanthrene		201-581-5	85-01-8		0.187	mg/kg		0.174	mg/kg	0.0000174 %	✓	
24	anthracene		204-371-1	120-12-7		0.0584	mg/kg		0.0542	mg/kg	0.00000542 %	✓	
25	fluoranthene		205-912-4	206-44-0		0.367	mg/kg		0.341	mg/kg	0.0000341 %	✓	
26	pyrene		204-927-3	129-00-0		0.368	mg/kg		0.342	mg/kg	0.0000342 %	✓	
27	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.295	mg/kg		0.274	mg/kg	0.0000274 %	✓	
28	chrysene	601-048-00-0	205-923-4	218-01-9		0.241	mg/kg		0.224	mg/kg	0.0000224 %	✓	
29	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.479	mg/kg		0.445	mg/kg	0.0000445 %	✓	
30	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.166	mg/kg		0.154	mg/kg	0.0000154 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.332	mg/kg		0.308	mg/kg	0.0000308 %	✓	
32	indeno[123-cd]pyrene		205-893-2	193-39-5		0.147	mg/kg		0.136	mg/kg	0.0000136 %	✓	
33	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.0431	mg/kg		0.04	mg/kg	0.000004 %	✓	
34	benzo[ghi]perylene		205-883-8	191-24-2		0.217	mg/kg		0.201	mg/kg	0.0000201 %	✓	
35	coronene		205-881-7	191-07-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
36	benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
37	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
38		toluene				0.0032	mg/kg		0.003	mg/kg	0.000000302 %	✓	
		601-021-00-3	203-625-9	108-88-3									
39		xylene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<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]									
40	●	TPH (C6 to C40) petroleum group				363	mg/kg		337.047	mg/kg	0.0337 %	✓	
				TPH									
										Total:	0.18 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - 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) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: Force this Hazardous property to non hazardous because Very low concentrations (<0.1%) in a solid, non-flammable medium i.e. soil

Classification of sample: BH5-SS4[1]

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

Sample details

Sample Name:
BH5-SS4[1]
Sample Depth:
2.6-5.9 m
Moisture content:
6.2%
(dry weight correction)

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

Hazard properties

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.205%)

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.205%)

Hazard properties (substances considered hazardous until shown otherwise)

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

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.205%)

Determinands

Moisture content: 6.2% Dry Weight Moisture Correction applied (MC)

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
1		pH PH		8.72 pH		8.72 pH	8.72 pH		
2		antimony { antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide	1	<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		(Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex }	051-003-00-9											
3		arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		5.59	mg/kg	1.32	6.95	mg/kg	0.000695 %	✓	
4		barium { barium oxide }		215-127-9	1304-28-5		16.9	mg/kg	1.117	17.767	mg/kg	0.00178 %	✓	
5		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.576	mg/kg	1.285	0.697	mg/kg	0.0000542 %	✓	
6		chromium { chromium(III) oxide }		215-160-9	1308-38-9		2.87	mg/kg	1.462	3.95	mg/kg	0.000395 %	✓	
7		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5.7	mg/kg	1.126	6.043	mg/kg	0.000604 %	✓	
8		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	7.75	mg/kg	1.56	11.383	mg/kg	0.00073 %	✓	
9		manganese { manganese sulphate }	025-003-00-4	232-089-9	7785-87-7		744	mg/kg	2.749	1925.548	mg/kg	0.193 %	✓	
10		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.242	mg/kg	1.353	0.308	mg/kg	0.0000308 %	✓	
11		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.81	mg/kg	1.5	1.144	mg/kg	0.000114 %	✓	
12		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		10.6	mg/kg	1.579	15.765	mg/kg	0.00158 %	✓	
13		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
14		zinc { zinc chromate }	024-007-00-3				27.9	mg/kg	2.774	72.88	mg/kg	0.00729 %	✓	
15		boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<1	mg/kg	13.43	<13.43	mg/kg	<0.00134 %		<LOD
16		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 }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
17		polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<0.021	mg/kg		<0.021	mg/kg	<0.0000021 %		<LOD
18		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		naphthalene	601-052-00-2	202-049-5	91-20-3		0.0589	mg/kg		0.0555	mg/kg	0.00000555 %	✓	
20		acenaphthylene		205-917-1	208-96-8		0.0295	mg/kg		0.0278	mg/kg	0.00000278 %	✓	
21		acenaphthene		201-469-6	83-32-9		0.104	mg/kg		0.0979	mg/kg	0.00000979 %	✓	
22		fluorene		201-695-5	86-73-7		0.445	mg/kg		0.419	mg/kg	0.0000419 %	✓	
23		phenanthrene		201-581-5	85-01-8		0.59	mg/kg		0.556	mg/kg	0.0000556 %	✓	
24		anthracene		204-371-1	120-12-7		0.124	mg/kg		0.117	mg/kg	0.0000117 %	✓	
25		fluoranthene		205-912-4	206-44-0		0.0441	mg/kg		0.0415	mg/kg	0.00000415 %	✓	
26		pyrene		204-927-3	129-00-0		0.0391	mg/kg		0.0368	mg/kg	0.00000368 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
27		benzo[a]anthracene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.015	mg/kg		<0.015	mg/kg	<0.0000015 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32	●	indeno[123-cd]pyrene				<0.018	mg/kg		<0.018	mg/kg	<0.0000018 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34	●	benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-883-8	191-24-2									
35	●	coronene				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-881-7	191-07-1									
36		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
37	●	ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
38		toluene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
39		xylene				<0.009	mg/kg		<0.009	mg/kg	<0.0000009 %		<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]									
40	●	TPH (C6 to C40) petroleum group				2180	mg/kg		2052.731	mg/kg	0.205 %	✓	
				TPH									
										Total:	0.413 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - 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 CLP determinands

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25/05/2015
Risk Phrases: None.
Hazard Statements: None.

barium oxide (EC Number: 215-127-9, CAS Number: 1304-28-5)

Conversion factor: 1.117
Description/Comments: Data from C&L Inventory Database; No entries in Registered Substances Database, IARC or Pesticide Properties Database
Data source:
http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=88825&HarmOnly=no?fc=true&lang=en
Data source date: 02/06/2014
Risk Phrases: R20 , R22 , R25 , R35 , R36/37/38
Hazard Statements: Acute Tox. 4 H332 , Acute Tox. 4 H302 , Acute Tox. 3 H301 , Skin Corr. 1A H314 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

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

Conversion factor: 1.462
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: 17/07/2015
Risk Phrases: R20 , R22 , R36 , R37 , R38 , R42 , R43 , R50/53 , R60 , R61
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

dicopper oxide; copper (I) oxide (EC Number: 215-270-7, CAS Number: 1317-39-1)

CLP index number: 029-002-00-X
Data source: Regulation (EU) 2016/1179 of 19 July 2016 (ATP9)
Additional Risk Phrases: N R50/53 , N R50/53 >= 0.25 %
Additional Hazard Statement(s): None.
Reason for additional Hazards Statement(s)/Risk Phrase(s):
10/10/2016 - N R50/53 risk phrase sourced from: WM3 v1 still uses ecotoxic risk phrases
10/10/2016 - N R50/53 >= 0.25 % risk phrase sourced from: WM3 v1 still uses ecotoxic risk phrases

boron tribromide/trichloride/trifluoride (combined) (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Conversion factor: 13.43
Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 06/08/2015
Risk Phrases: R14 , T+ R26/28 , C R34 , C R35
Hazard Statements: EUH014 , Acute Tox. 2 H330 , Acute Tox. 2 H300 , Skin Corr. 1A H314 , Skin Corr. 1B H314

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

CLP index number: 006-007-00-5
Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)
Additional Risk Phrases: None.
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s)/Risk Phrase(s):
14/12/2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

CLP index number: 602-039-00-4
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Risk Phrases: None.
Additional Hazard Statement(s): Carc. 1A H350
Reason for additional Hazards Statement(s)/Risk Phrase(s):
29/09/2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

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: 17/07/2015
Risk Phrases: R22 , R26 , R27 , R36 , R37 , R38
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: 17/07/2015
Risk Phrases: R36 , R37 , R38 , N R50/53 , N R51/53
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: 06/08/2015
Risk Phrases: N R50/53
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: 06/08/2015
Risk Phrases: R22 , R36 , R37 , R38 , R40 , R43 , N R50/53
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: 17/07/2015
Risk Phrases: R36 , R37 , R38 , R43 , N R50/53
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: 21/08/2015
Risk Phrases: Xn R22 , N R50/53
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: 21/08/2015
Risk Phrases: Xi R36/37/38 , N R50/53
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: 06/08/2015
Risk Phrases: R40
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: 23/07/2015
Risk Phrases: N R50/53
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.
Data source:
http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en
Data source date: 16/06/2014
Risk Phrases: R68/20
Hazard Statements: STOT SE 2 H371

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

CLP index number: 601-023-00-4
Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)
Additional Risk Phrases: None.
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s)/Risk Phrase(s):
03/06/2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

- **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: 25/05/2015
Risk Phrases: R10 , R45 , R46 , R51/53 , R63 , R65
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

Appendix B: Rationale for selection of metal species

antimony {antimony compounds, with the exception of the tetroxide (Sb2O4), pentoxide (Sb2O5), trisulphide (Sb2S3), pentasulphide (Sb2S5) and those specified elsewhere in this Annex}

Worst case species based on hazard statements

arsenic {arsenic trioxide}

Worst case species based on hazard statements

barium {barium oxide}

Hexavalent Chromium (VI) is less than detection limit in all samples.

cadmium {cadmium sulfide}

Worst case species based on hazard statements

chromium {chromium(III) oxide}

Hexavalent Chromium (VI) is less than detection limit in all samples.

copper {dicopper oxide; copper (I) oxide}

Most likely common species

lead {lead chromate}

Worst case species based on hazard statements

manganese {manganese sulphate}

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

molybdenum {molybdenum(VI) oxide}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

zinc {zinc chromate}

Worst case species based on hazard statements

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on hazard statements

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}

Worst case species

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition, May 2015
HazWasteOnline Classification Engine Version: 2017.269.3405.6897 (26 Sep 2017)
HazWasteOnline Database: 2017.270.3406.6898 (28 Sep 2017)

This classification utilises the following guidance and legislation:
WM3 - Waste Classification - May 2015
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 Wastes 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
POPs Regulation 2004 - Regulation 850/2004/EC of 29 April 2004
1st ATP to POPs Regulation - Regulation 756/2010/EU of 24 August 2010
2nd ATP to POPs Regulation - Regulation 757/2010/EU of 24 August 2010

WAC Classification Report

SOIL CHEMISTRY DATABASE

2921 - Chartered Land - Heuston South Quarter

Minerex Environmental Limited

European Council Decision 2003/33/EC

Waste Acceptance Criteria (WAC)
Determining the acceptability of waste at landfill. Classifications:
- Inert
- Non-Hazardous
- Hazardous

EXAMPLES
For a value of 3 for TOC, this means that the inert limit is 3 and above this is at least Non-Haz.
In the case of pH if the pH is <6 the waste is classified as Non-Haz.

Parameter / substance	Medium analysed (- Soil - Leachate (L/S10) - Gas - Water)	Units	Cat. A INERT (Cat. D1 / Cat. D2) L10:1	Cat. A INERT TPC	Cat. B NON-HAZ (or Stable Non-Reactive) (Cat. E1 / Cat. E2) L10:1	Cat. B NON-HAZ TPC	Cat. C HAZARDOUS (Cat. F1 / Cat. F2 / Cat. F3 / Cat. G) L10:1	Cat. C HAZARDOUS TPC
HAZWASTE TOOL ON LINE								
Classification (Haz or Non-Haz)	Soil	EWC	17-05-04		17-05-04		17-05-03*	
Asbestos Contamination (Fibres or	Soil	%	<0.001%		<0.001%		>0.001%	<0.1%
Asbestos Containing materials	Soil	%	<0.1%		<0.1%		>0.1%	ACMs
Depth	mbGL (or							
WAC ANALYSIS (Total pollutant content) (TPC)								
Total Organic Carbon (TOC)	Soil	%		3		5.0		6
Loss on Ignition (LOI)	Soil	%						10
BTEX	Soil	mg/kg		6				
PCB 7	Soil	mg/kg		1.0				
Mineral Oil	Soil	mg/kg		500				
PAH - Total (6)	Soil	mg/kg		2 (Note 1)				
PAHs - Total (16)	Soil	mg/kg		100 (Note 1)				
PAH - Total (17)	Soil	mg/kg		100 (Note 1)				
pH	Soil	pH units				<6		>11.5
WAC ANALYSIS (10:1 Leachate)								
Mercury	L/S10 Leachate	mg/kg	0.01		0.2		2	
Antimony	L/S10 Leachate	mg/kg	0.06		0.7		5	
Arsenic	L/S10 Leachate	mg/kg	0.5		2		25	
Barium	L/S10 Leachate	mg/kg	20		100		300	
Cadmium	L/S10 Leachate	mg/kg	0.04		1		5	
Chromium	L/S10 Leachate	mg/kg	0.5		10		70	
Copper	L/S10 Leachate	mg/kg	2		50		100	
Lead	L/S10 Leachate	mg/kg	0.5		10		50	
Molybdenum	L/S10 Leachate	mg/kg	0.5		10		30	
Nickel	L/S10 Leachate	mg/kg	0.4		10		40	
Selenium	L/S10 Leachate	mg/kg	0.1		0.5		7	
Zinc	L/S10 Leachate	mg/kg	4		50		200	
Chloride	L/S10 Leachate	mg/kg	800		15000		25000	
Fluoride	L/S10 Leachate	mg/kg	10		150		500	
Sulphate	L/S10 Leachate	mg/kg	1000		20000		50000	
TDS - (Solids - total dissolved)	L/S10 Leachate	mg/kg	4000		60000		100000	
Phenol Index	L/S10 Leachate	mg/kg	1					
Dissolved Organic Carbon (DOC)	L/S10 Leachate	mg/kg	500		800		1000	

RESULTS

Sample ID	BH1-CompSS6	BH1-SS5	BH1-SS3	BH2-SS5	BH3-SS5
Company	Minerex	Minerex	Minerex	Minerex	Minerex
ID Entered	MO 05/10/2017	MO 05/10/2017	MO 05/10/2017	MO 05/10/2017	MO 05/10/2017
ID Checked	JC 06/10/2017	JC 06/10/2017	JC 06/10/2017	JC 06/10/2017	JC 06/10/2017
Lab Ref No.	2921-028-COC1-A	2921-028-COC1-B	2921-028-COC3-G	2921-028-COC3-C	2921-028-COC4-D
Date	20/09/2017	20/09/2017	20/09/2017	20/09/2017	22/09/2017
Point ID	BH1	BH1	BH1	BH2	BH3
Description (BS5930)	CLAY (Made Ground) - with cobbles. COBBLE lenses - with clay and gravels. Non-Naturals = <5%	CLAY (Natural Ground) - with cobbles.	CLAY (Made Ground) - tarmacadam present. Non-Naturals = 10%	GRAVEL (Natural Ground) - with sand (20%) and clay staining.	GRAVEL (Natural Ground) - with sand (20%).
Classification (Haz or Non-Haz)	Non-Haz 17-05-04	Non-Haz 17-05-04	Non-Haz 17-05-04	Non-Haz 17-05-04	Non-Haz 17-05-04
Asbestos Contamination (Fibres or					
Asbestos Containing materials	None	None	None	None	
Depth	0.30-1.70	1.9-4.0	0.7-1.2	2.1-4.0	2.7-4.0
Total Organic Carbon (TOC)	1.43	0.29	0.77	0.62	0.75
Loss on Ignition (LOI)	4.610	1.70	3.54	0.86	NDP
BTEX	<0.024	<0.024	<0.024	<0.024	<0.024
PCB 7	<0.021	<0.021	<0.021	<0.021	<0.021
Mineral Oil	137.000	33.10	92.80	11.20	1
PAH - Total (6)	0.304	0.10	0.12	0.05	0.05
PAHs - Total (16)	0.568	0.16	0.23	<0.118	<0.118
PAH - Total (17)	0.568	<0.318	<0.318	<0.318	<0.318
pH	8.890	8.71	9.06	9.38	9.20
Mercury	<0.0001	0.00	<0.0001	<0.0001	<0.0001
Antimony	0.011	0.01	0.01	0.00	0.00
Arsenic	0.019	0.01	0.01	0.02	0.01
Barium	0.046	0.34	0.05	0.04	0.02
Cadmium	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Chromium	<0.01	<0.01	<0.01	<0.01	<0.01
Copper	0.012	0.00	0.02	<0.003	<0.003
Lead	0.151	0.00	0.00	<0.002	<0.002
Molybdenum	0.099	0.08	0.19	0.07	0.057
Nickel	0.007	<0.004	0.01	<0.004	<0.004
Selenium	0.033	0.05	0.03	0.01	<0.005
Zinc	<0.01	<0.01	0.01	<0.01	<0.01
Chloride	<20	<20	<20	<20	<20
Fluoride	<5	<5	5.94	<5	<5
Sulphate	212	212	344	56	<20
TDS - (Solids - total dissolved)	706	828	924	420	393
Phenol Index	<0.016	<0.16	<0.16	<0.16	<0.16
Dissolved Organic Carbon (DOC)	<30	<30	<30	<30	<30
Waste Category according to WAC (European Council Decision 2003/33/EC)	INERT (Cat. A)	INERT (Cat. A)	INERT (Cat. A)	INERT (Cat. A)	INERT (Cat. A)
Comments	The material has been classified as Non-Haz through haz-tool, and Inert according to WAC reference limits.	The material has been classified as Non-Haz through haz-tool, and Inert according to WAC reference limits.	The material has been classified as Non-Haz through haz-tool, and Inert according to WAC reference limits.	The material has been classified as Non-Haz through haz-tool, and Inert according to WAC reference limits.	The material has been classified as Non-Haz through haz-tool, and Inert according to WAC reference limits.
Disposal routes / Outlets for waste subsoils	The material can be accepted at any facility which accepts Inert material.	The material can be accepted at any facility which accepts Inert material.	The material can be accepted at any facility which accepts Inert material.	The material can be accepted at any facility which accepts Inert material.	The material can be accepted at any facility which accepts Inert material.

Sample ID	BH3-Comp-SS6	BH4-CompSS8	BH4-SS2	BH4-CompSS9	BH5-CompSS6
Company	Minerex	Minerex	Minerex	Minerex	Minerex
ID Entered	MO 05/10/2017	MO 05/10/2017	MO 05/10/2017	MO 05/10/2017	MO 05/10/2017
ID Checked	JC 06/10/2017	JC 06/10/2017	JC 06/10/2017	JC 06/10/2017	JC 06/10/2017
Lab Ref No.	2921-028-COC4-C	2921-028-COC3-D	2921-028-COC3-H	2921-028-COC4-B	2921-028-COC4-E
Date	22/09/2017	21/09/2017	20/09/2017	21/09/2017	22/09/2017
Point ID	BH3	BH4	BH4	BH4	BH5
Description (BS5930)	CLAY (Made Ground) - with sand, gravels, cobbles and boulders. Non-Naturals = <5%	CLAY (Made Ground) - with cobbles. Non-Naturals = <5%	CLAY (Made Ground) - with cobbles. Non-Naturals = <5%	CLAY (Made Ground) - with clay, sand, and cobbles. Non-Naturals = <10%	CLAY (Made Ground) - with sand, gravels, and cobbles. Non-Naturals = 0%
Classification (Haz or Non-Haz)	Non-Haz 17-05-04	Non-Haz 17-05-04	Non-Haz 17-05-04	Non-Haz 17-05-04	Non-Haz 17-05-04
Asbestos Contamination (Fibres or					
Asbestos Containing materials		None	None	None	None
Depth	0.4-2.5	0.3-1.85	0.4-0.7	1.9-4.0	0.4-2.3
Total Organic Carbon (TOC)	1.11	1.41	1.12	0.66	0.55
Loss on Ignition (LOI)	NDP	4.09	5.01	1.37	3.22
BTEX	0.136	<0.024	<0.024	<0.024	<0.024
PCB 7	<0.021	<0.021	<0.021	<0.021	<0.021
Mineral Oil	170	13.90	22.80	144	79.60
PAH - Total (6)	2.641	0.23	0.42	0.05	0.18
PAHs - Total (16)	6.08	0.36	0.81	0.13	0.34
PAH - Total (17)	6.08	0.36	0.81	<0.318	0.340
pH	10.90	10.20	8.50	8.82	8.50
Mercury	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Antimony	0.04	0.01	0.01	0.02	0.01
Arsenic	0.07	0.04	0.01	0.02	0.01
Barium	0.07	0.03	0.07	0.07	0.06
Cadmium	<0.0008	<0.0008	<0.0008	<0.0008	<0.00008
Chromium	0.01	<0.01	<0.01	<0.01	<0.01
Copper	0.15	0.05	0.02	0.011	0.01
Lead	0.01	<0.002	0.00	<0.002	<0.002
Molybdenum	0.09	0.13	0.13	0.09	0.05
Nickel	0.08	0.01	0.01	0.01	0.009
Selenium	0.03	0.03	0.01	0.02	0.01
Zinc	<0.01	<0.01	<0.01	<0.01	0.010
Chloride	<20	<20	<20	25.00	68.000
Fluoride	<5	6.38	<5	<5	<5
Sulphate	377	199	89	233	160
TDS - (Solids - total dissolved)	1190	867	862	906	1010
Phenol Index	<0.16	<0.16	<0.16	<0.16	<0.16
Dissolved Organic Carbon (DOC)	44.40	<30	<30	<30	<30
Waste Category according to WAC (European Council Decision 2003/33/EC)	INERT (Cat. A) [Note 1]	INERT (Cat. A)	INERT (Cat. A)	INERT (Cat. A)	INERT (Cat. A)
Comments	The material has been classified as Non-Haz through haz-tool, and Inert according to WAC reference limits.	The material has been classified as Non-Haz through haz-tool, and Inert according to WAC reference limits.	The material has been classified as Non-Haz through haz-tool, and Inert according to WAC reference limits.	The material has been classified as Non-Haz through haz-tool, and Inert according to WAC reference limits.	The material has been classified as Non-Haz through haz-tool, and Inert according to WAC reference limits.
Disposal routes / Outlets for waste subsoils	The material can be accepted at any facility which accepts Inert material.	The material can be accepted at any facility which accepts Inert material.	The material can be accepted at any facility which accepts Inert material.	The material can be accepted at any facility which accepts Inert material.	The material can be accepted at any facility which accepts Inert material.

General Comments:

Note 1: There is no specified limit for PAH 6 in the Council Decision Ref: 2003/33/EC, rather it states for PAHs "Member States to set limit value" i.e. will be prescribed in Waste Licence for a particular waste facility.