



Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- a) understand the origin of the waste
- b) select the correct List of Waste code(s)
- c) confirm that the list of determinands, results and sampling plan are fit for purpose
- d) select and justify the chosen metal species (Appendix B)
- e) correctly apply moisture correction and other available corrections
- f) add the meta data for their user-defined substances (Appendix A)
- g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



V1PNU-RNJIV-JACDR

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

Job name

Oldfield Road, Hampton

Description/Comments

Project

M5478

Site

Classified by

Name:	Company:
Jake Wheaton	Brownfield Solutions Limited
Date:	Brownfield Solutions Ltd
13 Sep 2023 10:26 GMT	173-183 Witton Street
Telephone:	Northwich
01606334844	CW9 5LP

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

HazWasteOnline™ Certification:	CERTIFIED
Course	Date
Hazardous Waste Classification	07 Oct 2021

Next 3 year Refresher due by Oct 2024

Purpose of classification

2 - Material Characterisation

Address of the waste

Oldfield Road, Hampton

Post Code TW12 2HS

SIC for the process giving rise to the waste

41100 Development of building projects

Description of industry/producer giving rise to the waste

Redevelopment of existing warehouse commercial development, used for removals/storage.

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

Waste created during the excavation of soils for redevelopment of the site.

Description of the waste

Mixture of made ground and natural strata, comprising predominantly gravelly sand and clay.



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH01	1.00	Non Hazardous		3
2	WS04	0.40	Non Hazardous		5
3	WS03A	0.60	Non Hazardous		7
4	BH01[2]	0.50	Non Hazardous		9
5	WS03B	0.25	Non Hazardous		11
6	BH03	0.70	Non Hazardous		13
7	WS03A[2]	0.30	Non Hazardous		14
8	WS07	0.40	Non Hazardous		16
9	WS06[2]	0.50	Non Hazardous		18

Related documents

#	Name	Description
1	BSL Suite	waste stream template used to create this Job

Report

Created by: Jake Wheaton

Created date: 13 Sep 2023 10:26 GMT

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Appendix A: Classifier defined and non GB MCL determinands	20
Appendix B: Rationale for selection of metal species	21
Appendix C: Version	21



Classification of sample: BH01

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

Sample details

Sample name:	LoW Code:	
BH01	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.00 m		
Moisture content:		
15%		
(wet weight correction)		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				7.9 pH		7.9 pH	7.9 pH		
2	arsenic { arsenic trioxide }				13 mg/kg	1.32	14.59 mg/kg	0.00146 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				31 mg/kg	1.462	38.512 mg/kg	0.00385 %	✓	
		215-160-9	1308-38-9							
6	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	10.527 mg/kg	0.00105 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	26 mg/kg	1.56	34.472 mg/kg	0.00221 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				24 mg/kg	1.579	32.222 mg/kg	0.00322 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
11	zinc { zinc chloride }				46 mg/kg	2.085	81.505 mg/kg	0.00815 %	✓	
	030-003-00-2	231-592-0	7646-85-7							
12	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
14	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
15	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		0.13 mg/kg		0.111 mg/kg	0.0000111 %	✓	
17	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
18	fluoranthene	205-912-4	206-44-0		0.29 mg/kg		0.247 mg/kg	0.0000246 %	✓	
19	pyrene	204-927-3	129-00-0		0.28 mg/kg		0.238 mg/kg	0.0000238 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.16 mg/kg		0.136 mg/kg	0.0000136 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	0.17 mg/kg		0.145 mg/kg	0.0000145 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.24 mg/kg		0.204 mg/kg	0.0000204 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.09 mg/kg		0.0765 mg/kg	0.00000765 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.15 mg/kg		0.128 mg/kg	0.0000128 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.09 mg/kg		0.0765 mg/kg	0.00000765 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		0.11 mg/kg		0.0935 mg/kg	0.00000935 %	✓	
28	TPH (C6 to C40) petroleum group		TPH		16 mg/kg		13.6 mg/kg	0.00136 %	✓	
29	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
30	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
Total:								0.0219 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Concentration too low to be considered flammable. Low concentrations of short chain hydrocarbons. Discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00136%)



Classification of sample: WS04

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

Sample details

Sample name:	LoW Code:	
WS04	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m		
Moisture content:		
27%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 27% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH				7.5	pH		7.5	pH	7.5 pH		
2	arsenic { arsenic trioxide }				32	mg/kg	1.32	30.843	mg/kg	0.00308 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				22	mg/kg	1.462	23.473	mg/kg	0.00235 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				82	mg/kg	1.126	67.396	mg/kg	0.00674 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	890	mg/kg	1.56	1013.412	mg/kg	0.065 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.5	mg/kg	1.353	0.494	mg/kg	0.0000494 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				38	mg/kg	1.579	43.815	mg/kg	0.00438 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
11	zinc { zinc chloride }				1200	mg/kg	2.085	1826.041	mg/kg	0.183 %	✓	
	030-003-00-2	231-592-0	7646-85-7									
12	naphthalene				0.74	mg/kg		0.54	mg/kg	0.000054 %	✓	
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.64	mg/kg		0.467	mg/kg	0.0000467 %	✓	
		205-917-1	208-96-8									
14	acenaphthene				0.98	mg/kg		0.715	mg/kg	0.0000715 %	✓	
		201-469-6	83-32-9									
15	fluorene				0.92	mg/kg		0.672	mg/kg	0.0000672 %	✓	
		201-695-5	86-73-7									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		16 mg/kg		11.68 mg/kg	0.00117 %	✓	
17	anthracene	204-371-1	120-12-7		4.1 mg/kg		2.993 mg/kg	0.000299 %	✓	
18	fluoranthene	205-912-4	206-44-0		39 mg/kg		28.47 mg/kg	0.00285 %	✓	
19	pyrene	204-927-3	129-00-0		36 mg/kg		26.28 mg/kg	0.00263 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	21 mg/kg		15.33 mg/kg	0.00153 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	20 mg/kg		14.6 mg/kg	0.00146 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	32 mg/kg		23.36 mg/kg	0.00234 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	9.8 mg/kg		7.154 mg/kg	0.000715 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	25 mg/kg		18.25 mg/kg	0.00183 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		11 mg/kg		8.03 mg/kg	0.000803 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	3.1 mg/kg		2.263 mg/kg	0.000226 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		12 mg/kg		8.76 mg/kg	0.000876 %	✓	
Total:								0.282 %		

Key

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



Classification of sample: WS03A

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

Sample details

Sample name:	LoW Code:	
WS03A	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.60 m		
Moisture content:		
15%		
(wet weight correction)		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH				7.5	pH		7.5	pH	7.5 pH		
2	arsenic { arsenic trioxide }				13	mg/kg	1.32	14.59	mg/kg	0.00146 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20	mg/kg	1.462	24.846	mg/kg	0.00248 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				36	mg/kg	1.126	34.452	mg/kg	0.00345 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	120	mg/kg	1.56	159.101	mg/kg	0.0102 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				17	mg/kg	1.579	22.824	mg/kg	0.00228 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
11	zinc { zinc chloride }				52	mg/kg	2.085	92.136	mg/kg	0.00921 %	✓	
	030-003-00-2	231-592-0	7646-85-7									
12	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.19	mg/kg		0.161	mg/kg	0.0000161 %	✓	
		205-917-1	208-96-8									
14	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		0.51 mg/kg		0.434 mg/kg	0.0000433 %	✓	
17	anthracene	204-371-1	120-12-7		0.16 mg/kg		0.136 mg/kg	0.0000136 %	✓	
18	fluoranthene	205-912-4	206-44-0		2.2 mg/kg		1.87 mg/kg	0.000187 %	✓	
19	pyrene	204-927-3	129-00-0		2.1 mg/kg		1.785 mg/kg	0.000179 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.4 mg/kg		1.19 mg/kg	0.000119 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	1.5 mg/kg		1.275 mg/kg	0.000127 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2 mg/kg		1.7 mg/kg	0.00017 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.83 mg/kg		0.706 mg/kg	0.0000706 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.5 mg/kg		1.275 mg/kg	0.000127 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.93 mg/kg		0.791 mg/kg	0.0000791 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.22 mg/kg		0.187 mg/kg	0.0000187 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		0.99 mg/kg		0.842 mg/kg	0.0000841 %	✓	
Total:								0.0308 %		

Key

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



Classification of sample: BH01[2]

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

Sample details

Sample name:	LoW Code:	
BH01[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m		
Moisture content:		
16%		
(wet weight correction)		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH				10	pH		10	pH	10pH		
2	arsenic { arsenic trioxide }	033-003-00-0	215-481-4		14	mg/kg	1.32	15.527	mg/kg	0.00155 %	✓	
3	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1	0.9	mg/kg	1.285	0.972	mg/kg	0.0000756 %	✓	
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8		<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9		22	mg/kg	1.462	27.01	mg/kg	0.0027 %	✓	
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7		36	mg/kg	1.126	34.047	mg/kg	0.0034 %	✓	
7	lead { lead chromate }	082-004-00-2	231-846-0	1	200	mg/kg	1.56	262.049	mg/kg	0.0168 %	✓	
8	mercury { mercury dichloride }	080-010-00-X	231-299-8		<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]		18	mg/kg	1.579	23.882	mg/kg	0.00239 %	✓	
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
11	zinc { zinc chloride }	030-003-00-2	231-592-0		230	mg/kg	2.085	402.73	mg/kg	0.0403 %	✓	
12	naphthalene	601-052-00-2	202-049-5		0.25	mg/kg		0.21	mg/kg	0.000021 %	✓	
13	acenaphthylene		205-917-1		0.47	mg/kg		0.395	mg/kg	0.0000395 %	✓	
14	acenaphthene		201-469-6		0.19	mg/kg		0.16	mg/kg	0.000016 %	✓	
15	fluorene		201-695-5		0.27	mg/kg		0.227	mg/kg	0.0000227 %	✓	



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		2.9 mg/kg		2.436 mg/kg	0.000244 %	✓	
17	anthracene	204-371-1	120-12-7		0.85 mg/kg		0.714 mg/kg	0.0000714 %	✓	
18	fluoranthene	205-912-4	206-44-0		7.7 mg/kg		6.468 mg/kg	0.000647 %	✓	
19	pyrene	204-927-3	129-00-0		6.5 mg/kg		5.46 mg/kg	0.000546 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	2.8 mg/kg		2.352 mg/kg	0.000235 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	3.3 mg/kg		2.772 mg/kg	0.000277 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	4.1 mg/kg		3.444 mg/kg	0.000344 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	1.3 mg/kg		1.092 mg/kg	0.000109 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	2.9 mg/kg		2.436 mg/kg	0.000244 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		1.7 mg/kg		1.428 mg/kg	0.000143 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.48 mg/kg		0.403 mg/kg	0.0000403 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		2 mg/kg		1.68 mg/kg	0.000168 %	✓	
Total:								0.0708 %		

Key

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



Classification of sample: WS03B

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

Sample details

Sample name:	LoW Code:	
WS03B	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.25 m		
Moisture content:		
5.2%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 5.2% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				9 pH		9 pH	9pH		
2	arsenic { arsenic trioxide }				12 mg/kg	1.32	15.02 mg/kg	0.0015 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
3	cadmium { cadmium sulfide }			1	1 mg/kg	1.285	1.218 mg/kg	0.0000948 %	✓	
	048-010-00-4	215-147-8	1306-23-6							
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				13 mg/kg	1.462	18.012 mg/kg	0.0018 %	✓	
		215-160-9	1308-38-9							
6	copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	20.28 mg/kg	0.00203 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	69 mg/kg	1.56	102.031 mg/kg	0.00654 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel dihydroxide }				13 mg/kg	1.579	19.466 mg/kg	0.00195 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
	034-002-00-8									
11	zinc { zinc chloride }				160 mg/kg	2.085	316.18 mg/kg	0.0316 %	✓	
	030-003-00-2	231-592-0	7646-85-7							
12	naphthalene				0.08 mg/kg		0.0758 mg/kg	0.00000758 %	✓	
	601-052-00-2	202-049-5	91-20-3							
13	acenaphthylene				0.15 mg/kg		0.142 mg/kg	0.0000142 %	✓	
		205-917-1	208-96-8							
14	acenaphthene				0.16 mg/kg		0.152 mg/kg	0.0000152 %	✓	
		201-469-6	83-32-9							
15	fluorene				0.17 mg/kg		0.161 mg/kg	0.0000161 %	✓	
		201-695-5	86-73-7							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		2 mg/kg		1.896 mg/kg	0.00019 %	✓	
17	anthracene	204-371-1	120-12-7		0.46 mg/kg		0.436 mg/kg	0.0000436 %	✓	
18	fluoranthene	205-912-4	206-44-0		2.8 mg/kg		2.654 mg/kg	0.000265 %	✓	
19	pyrene	204-927-3	129-00-0		2.3 mg/kg		2.18 mg/kg	0.000218 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.88 mg/kg		0.834 mg/kg	0.0000834 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	1.1 mg/kg		1.043 mg/kg	0.000104 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	1 mg/kg		0.948 mg/kg	0.0000948 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.38 mg/kg		0.36 mg/kg	0.000036 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.77 mg/kg		0.73 mg/kg	0.000073 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.46 mg/kg		0.436 mg/kg	0.0000436 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.13 mg/kg		0.123 mg/kg	0.0000123 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		0.52 mg/kg		0.493 mg/kg	0.0000493 %	✓	
Total:								0.0472 %		

Key

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

Classification of sample: BH03

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

Sample details

Sample name:	BH03	LoW Code:	
Sample Depth:	0.70 m	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	8.4% (wet weight correction)	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 8.4% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	benzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
2	toluene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
3	ethylbenzene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
4	xylene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-022-00-9	202-422-2 [1]	95-47-6 [1]							
		203-396-5 [2]	106-42-3 [2]							
		203-576-3 [3]	108-38-3 [3]							
		215-535-7 [4]	1330-20-7 [4]							
Total:								2.0e-06 %		

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)
- <LOD** Below limit of detection



Classification of sample: WS03A[2]

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

Sample details

Sample name:	LoW Code:	
WS03A[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.30 m		
Moisture content:		
6.7%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 6.7% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH				10.2	pH		10.2	pH	10.2 pH		
2	arsenic { arsenic trioxide }				13	mg/kg	1.32	16.014	mg/kg	0.0016 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	0.6	mg/kg	1.285	0.719	mg/kg	0.000056 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	21.818	mg/kg	0.00218 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				9.4	mg/kg	1.126	9.874	mg/kg	0.000987 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	47	mg/kg	1.56	68.399	mg/kg	0.00439 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				11	mg/kg	1.579	16.21	mg/kg	0.00162 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium selenosulfide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
11	zinc { zinc chloride }				94	mg/kg	2.085	182.817	mg/kg	0.0183 %	✓	
	030-003-00-2	231-592-0	7646-85-7									
12	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.08	mg/kg		0.0746	mg/kg	0.00000746 %	✓	
		205-917-1	208-96-8									
14	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		0.37 mg/kg		0.345 mg/kg	0.0000345 %	✓	
17	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.0933 mg/kg	0.0000933 %	✓	
18	fluoranthene	205-912-4	206-44-0		0.97 mg/kg		0.905 mg/kg	0.0000905 %	✓	
19	pyrene	204-927-3	129-00-0		0.81 mg/kg		0.756 mg/kg	0.0000756 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.32 mg/kg		0.299 mg/kg	0.0000299 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	0.44 mg/kg		0.411 mg/kg	0.0000411 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.39 mg/kg		0.364 mg/kg	0.0000364 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.18 mg/kg		0.168 mg/kg	0.0000168 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.3 mg/kg		0.28 mg/kg	0.000028 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.2 mg/kg		0.187 mg/kg	0.0000187 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
27	benzo[ghi]perylene	205-883-8	191-24-2		0.25 mg/kg		0.233 mg/kg	0.0000233 %	✓	
28	TPH (C6 to C40) petroleum group		TPH		227 mg/kg		211.791 mg/kg	0.0212 %	✓	
29	benzene	601-020-00-8	200-753-7	71-43-2	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
30	toluene	601-021-00-3	203-625-9	108-88-3	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
31	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
32	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
Total:								0.0511 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Concentration too low to be considered flammable. Low concentrations of short chain hydrocarbons. Discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0212%)



Classification of sample: WS07

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

Sample details

Sample name:	LoW Code:	
WS07	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m		
Moisture content:		
5.6%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 5.6% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	• pH				10.6	pH		10.6	pH	10.6 pH		
2	arsenic { arsenic trioxide }				14	mg/kg	1.32	17.449	mg/kg	0.00174 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	0.7	mg/kg	1.285	0.849	mg/kg	0.0000661 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				130	mg/kg	1.462	179.362	mg/kg	0.0179 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				40	mg/kg	1.126	42.514	mg/kg	0.00425 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	95	mg/kg	1.56	139.884	mg/kg	0.00897 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				63	mg/kg	1.579	93.936	mg/kg	0.00939 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
11	zinc { zinc chloride }				160	mg/kg	2.085	314.846	mg/kg	0.0315 %	✓	
	030-003-00-2	231-592-0	7646-85-7									
12	naphthalene				0.15	mg/kg		0.142	mg/kg	0.0000142 %	✓	
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.24	mg/kg		0.227	mg/kg	0.0000227 %	✓	
		205-917-1	208-96-8									
14	acenaphthene				0.16	mg/kg		0.151	mg/kg	0.0000151 %	✓	
		201-469-6	83-32-9									
15	fluorene				0.13	mg/kg		0.123	mg/kg	0.0000123 %	✓	
		201-695-5	86-73-7									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		2.1 mg/kg		1.982 mg/kg	0.000198 %	✓	
17	anthracene	204-371-1	120-12-7		0.47 mg/kg		0.444 mg/kg	0.0000444 %	✓	
18	fluoranthene	205-912-4	206-44-0		3.2 mg/kg		3.021 mg/kg	0.000302 %	✓	
19	pyrene	204-927-3	129-00-0		2.6 mg/kg		2.454 mg/kg	0.000245 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.5 mg/kg		1.416 mg/kg	0.000142 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	2 mg/kg		1.888 mg/kg	0.000189 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2 mg/kg		1.888 mg/kg	0.000189 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.88 mg/kg		0.831 mg/kg	0.0000831 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.5 mg/kg		1.416 mg/kg	0.000142 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.85 mg/kg		0.802 mg/kg	0.0000802 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.29 mg/kg		0.274 mg/kg	0.0000274 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		1 mg/kg		0.944 mg/kg	0.0000944 %	✓	
Total:								0.0761 %		

Key

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



Classification of sample: WS06[2]

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

Sample details

Sample name:	LoW Code:	
WS06[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m		
Moisture content:		
7.8%		
(wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 7.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	• pH				8.6	pH		8.6	pH	8.6 pH		
2	arsenic { arsenic trioxide }				20	mg/kg	1.32	24.347	mg/kg	0.00243 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
3	cadmium { cadmium sulfide }			1	1.2	mg/kg	1.285	1.422	mg/kg	0.000111 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				34	mg/kg	1.462	45.817	mg/kg	0.00458 %	✓	
		215-160-9	1308-38-9									
6	copper { dicopper oxide; copper (I) oxide }				54	mg/kg	1.126	56.056	mg/kg	0.00561 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	200	mg/kg	1.56	287.63	mg/kg	0.0184 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.5	mg/kg	1.353	0.624	mg/kg	0.0000624 %	✓	
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel dihydroxide }				27	mg/kg	1.579	39.32	mg/kg	0.00393 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
11	zinc { zinc chloride }				170	mg/kg	2.085	326.728	mg/kg	0.0327 %	✓	
	030-003-00-2	231-592-0	7646-85-7									
12	naphthalene				0.06	mg/kg		0.0553	mg/kg	0.00000553 %	✓	
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.1	mg/kg		0.0922	mg/kg	0.00000922 %	✓	
		205-917-1	208-96-8									
14	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
15	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		0.54 mg/kg		0.498 mg/kg	0.0000498 %	✓	
17	anthracene	204-371-1	120-12-7		0.12 mg/kg		0.111 mg/kg	0.0000111 %	✓	
18	fluoranthene	205-912-4	206-44-0		1.7 mg/kg		1.567 mg/kg	0.000157 %	✓	
19	pyrene	204-927-3	129-00-0		1.6 mg/kg		1.475 mg/kg	0.000148 %	✓	
20	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.89 mg/kg		0.821 mg/kg	0.0000821 %	✓	
21	chrysene	601-048-00-0	205-923-4	218-01-9	0.98 mg/kg		0.904 mg/kg	0.0000904 %	✓	
22	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	1.4 mg/kg		1.291 mg/kg	0.000129 %	✓	
23	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.55 mg/kg		0.507 mg/kg	0.0000507 %	✓	
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.99 mg/kg		0.913 mg/kg	0.0000913 %	✓	
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.65 mg/kg		0.599 mg/kg	0.0000599 %	✓	
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.19 mg/kg		0.175 mg/kg	0.0000175 %	✓	
27	benzo[ghi]perylene	205-883-8	191-24-2		0.74 mg/kg		0.682 mg/kg	0.0000682 %	✓	
Total:								0.0692 %		

Key

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

Appendix A: Classifier defined and non GB MCL determinands

▪ **pH** (CAS Number: PH)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

lead {lead chromate}

Worst case species based on hazard statements

mercury {mercury dichloride}

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 chloride}

The absence of chromium VI within the soil samples indicates that zinc chromate could not be present within the site soils. The sample was collected from an area overlain with hardstanding suggesting that soluble zinc forms may still remain. Zinc sulphate was predominantly used in agriculture, and there is no historic evidence of the site being agricultural. Therefore the next worst-case species has been selected.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2023.237.5731.10565 (25 Aug 2023)
HazWasteOnline Database: 2023.237.5731.10565 (25 Aug 2023)



This classification utilises the following guidance and legislation:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

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