Lab Report No:
23122705

In partnership with

Waste Classification Report

HWOL™ Classification Report

Ground Investigation Study (Murray Rix)

Chemical Testing (I2 Analytical)

August 2025

DOCUMENT CONTROL

Version	Date	Amendments	Author
1.0	14/08/25	Original Draft	Shawn Almeida

DOCUMENT APPROVALS

Name	Date
Ryan Culpeck	14/08/2025

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This report has been produced solely based on the results provided and further testing may be required to confirm the classification depending on the intended use/disposal. This has been produced to the best knowledge and available guidance at the time of writing this report

Lines of Evidence Comments

This classification is purely based on the sample laboratory data from I2 Analytical (Certificate No.: 23122705), within the Murray Rix ground investigation report for the development of a site at 2 Huddersfield Rd, Mirfield WF14 9DQ.

A total of 8 samples of made ground were analysed in December 2023, taken from depths between 0.10 - 0.20 mbgl. These were tested with I2 Analytical for a chemical analysis suite consisting of metals and 16-EPA PAHs. Sampling procedures have been conducted following WM3 Technical Guidance, further details about the site and sampling methodology are included within the GIS report.

The material has been described as 17 05 04 – Soils and stones other than those mentioned in 17 05 03*. This is a mirror non-hazardous code so chemical analysis is required to confirm that it can be classed as non-hazardous and is not the mirror hazardous code 17 05 03*.

Any determinands which were highlighted as potentially hazardous are discussed below, any other determinands have been shown to be below the respective hazardous thresholds and therefore can be regarded as non-hazardous.

Lead has been reported at elevated concentrations in samples from HP01 and HP05 (884.8 mg/kg and 533.9 mg/kg respectively). The lead species was downgraded from the worst case, lead chromate, due to the total chromium concentrations reported by the lab, to represent lead compounds likely to be found on industrial sites as listed on HazWasteOnline™. The concentration of lead in all 8 samples was found to be below the most stringent hazardous threshold of 1,000 mg/kg under the ECHA CLP and therefore this can be regarded as non-hazardous.

Zinc was also initially highlighted as hazardous due to being associated with the worst case, zinc chromate, this was downgraded as per the above reasoning. Zinc sulphates and chlorides are listed as the next worst-case species; these are of high solubility and therefore would not persist in samples of made ground. Therefore, trizinc bis(orthophosphate) has been selected. The concentration of zinc in all eight samples is below the hazardous threshold of 1,271 mg/kg and therefore the zinc concentration can be regarded as non-hazardous.

The pH has not been tested for these 8 specific samples, however within the GIS, it is reported that 3 samples of made ground were analysed and reported pH values of 7.8-9.5; these fall within the non-hazardous range in WM3 guidelines (2<pH<11.5) and therefore can be regarded as non-hazardous.

Asbestos was tested in all 8 samples, of which none was detected. However, a previous report by G&M dated November 2022 noted 2 out of 6 analysed samples had tested positive for asbestos. Further sampling was conducted by a Murray Rix Senior Engineer in June 2025 around the area of TP2 as a delineation exercise. Asbestos was noted in 4 out of 6 samples tested at depths of 0.8, 0.9, 1.00 & 1.10 mbgl, with a maximum quantification of 0.003%. It has been stated by CWT Building Consultants, that samples contaminated with asbestos, have been isolated and removed from the site separately.

As can be seen in the Haz Waste Online report based on chemical analyses, and after considering the source of the material and site history, materials from the Mirefield site can be classed as the mirror non-hazardous code 17 05 04 – soils and stones other than those mentioned in 17 05 03*.

This classification is based solely on the supplied data within which certain determinands have not been analysed, which could influence the classification of the material. These include

- TPH
- BTEX and MTBE

It is recommended that any future testing considers these determinands to add certainty to this classification.

A Waste Acceptance Criteria (WAC) test has not been conducted to assess the materials suitability for inert landfill. Under the Waste Framework Directive (WFD), non-hazardous wastes are suitable for non-hazardous landfill without the need for additional WAC testing.

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)

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

JT2NC-P3HXO-KMJEX

Report is invalid if pages are removed.

Job name

CWT Building Consultants - Mirefield GIS

Description/Comments

Project

MRN 25142

Site

2 Huddersfield Rd, Mirfield WF14 9DQ

Classified by

Name:
Shawn Almeida
Date:
14 Aug 2025 08:55 GMT
Telephone:
0117 370 4250

Company:
MTS Environmental Ltd
Filwood Green Business Park
1 Filwood Park Lane
Bristol
BS4 1ET

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	06 Apr 2023

Next 3 year Refresher due by Apr 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

2 Huddersfield Rd, Mirfield WF14 9DQ **Post Code** WF14 9DQ

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Construction & Demolition

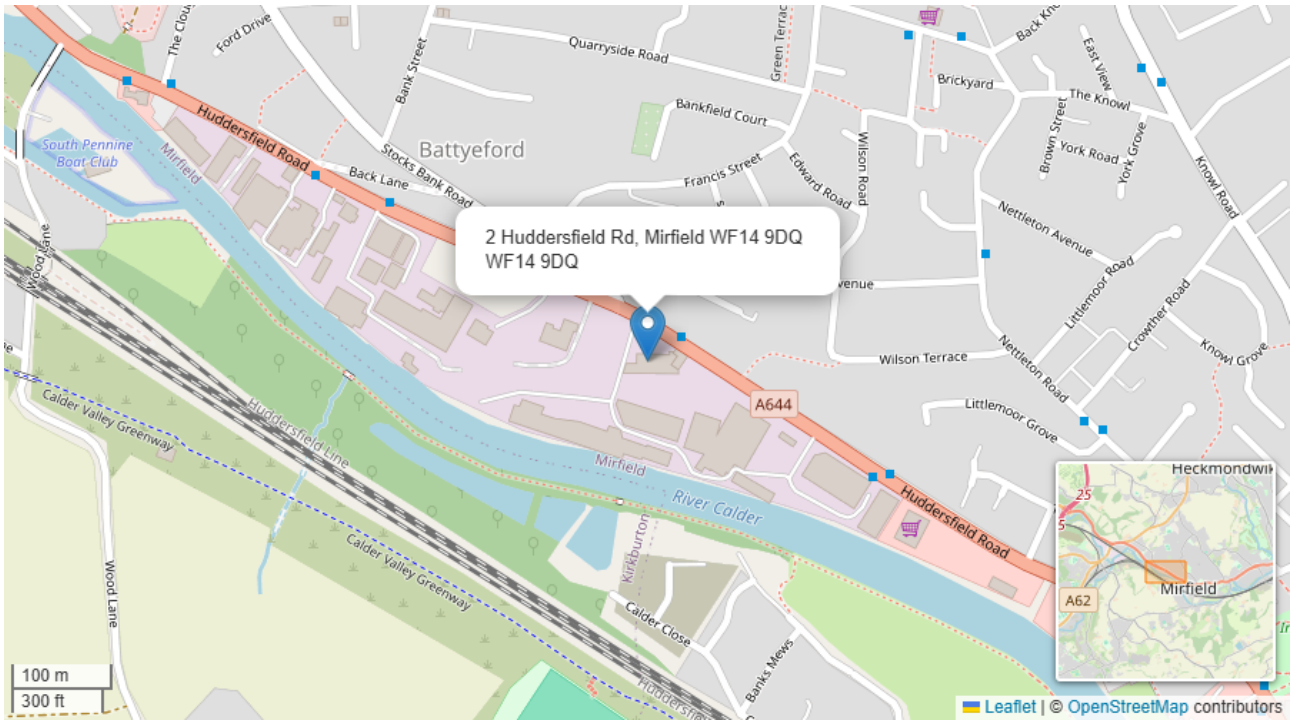
Description of the specific process, sub-process and/or activity that created the waste

Excavation of Soils and Stones

Description of the waste

Soils and Stones

Waste Location



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	HP01-7-ES-0.10		Non Hazardous		3
2	HP02-6-ES-0.20		Non Hazardous		5
3	HP03-8-ES-0.20		Non Hazardous		7
4	HP04-4-ES-0.10		Non Hazardous		9
5	HP05-5-ES-0.15		Non Hazardous		11
6	HP06-3-ES-0.10		Non Hazardous		13
7	HP07-2-ES-0.10		Non Hazardous		15
8	HP08-1-ES-0.10		Non Hazardous		17

Related documents

#	Name	Description
1	WPL (WM3)	waste stream template used to create this Job

Report

Created by: Shawn Almeida

Created date: 14 Aug 2025 08:55 GMT

Classification of sample: HP01-7-ES-0.10

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

Sample details

Sample name:
HP01-7-ES-0.10

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: None

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		14.2 mg/kg	1.32	18.749 mg/kg	0.00187 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.9 mg/kg	1.142	1.028 mg/kg	0.000103 %		
3	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				33.9 mg/kg	2.27	76.953 mg/kg	0.0077 %		
4	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		50.2 mg/kg	1.126	56.52 mg/kg	0.00565 %		
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	884.8 mg/kg		884.8 mg/kg	0.0885 %		
6	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<**LOD**
7	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		22.9 mg/kg	2.976	68.156 mg/kg	0.00682 %		
8	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<**LOD**
9	zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		796.1 mg/kg	1.968	1567.04 mg/kg	0.157 %		
10	naphthalene	601-052-00-2	202-049-5	91-20-3		0.17 mg/kg		0.17 mg/kg	0.000017 %		
11	acenaphthylene		205-917-1	208-96-8		<0.13 mg/kg		<0.13 mg/kg	<0.000013 %		<**LOD**
12	acenaphthene		201-469-6	83-32-9		<0.13 mg/kg		<0.13 mg/kg	<0.000013 %		<**LOD**
13	fluorene		201-695-5	86-73-7		<0.13 mg/kg		<0.13 mg/kg	<0.000013 %		<**LOD**
14	phenanthrene		201-581-5	85-01-8		1.08 mg/kg		1.08 mg/kg	0.000108 %		
15	anthracene		204-371-1	120-12-7		0.48 mg/kg		0.48 mg/kg	0.000048 %		
16	fluoranthene		205-912-4	206-44-0		3.71 mg/kg		3.71 mg/kg	0.000371 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		pyrene				3.27	mg/kg		3.27	mg/kg	0.000327 %		
			204-927-3	129-00-0									
18		benzo[a]anthracene				1.44	mg/kg		1.44	mg/kg	0.000144 %		
		601-033-00-9	200-280-6	56-55-3									
19		chrysene				1.43	mg/kg		1.43	mg/kg	0.000143 %		
		601-048-00-0	205-923-4	218-01-9									
20		benzo[b]fluoranthene				2.26	mg/kg		2.26	mg/kg	0.000226 %		
		601-034-00-4	205-911-9	205-99-2									
21		benzo[k]fluoranthene				1.03	mg/kg		1.03	mg/kg	0.000103 %		
		601-036-00-5	205-916-6	207-08-9									
22		benzo[a]pyrene; benzo[def]chrysene				1.86	mg/kg		1.86	mg/kg	0.000186 %		
		601-032-00-3	200-028-5	50-32-8									
23		indeno[123-cd]pyrene				1.11	mg/kg		1.11	mg/kg	0.000111 %		
			205-893-2	193-39-5									
24		dibenz[a,h]anthracene				0.31	mg/kg		0.31	mg/kg	0.000031 %		
		601-041-00-2	200-181-8	53-70-3									
25		benzo[ghi]perylene				1.15	mg/kg		1.15	mg/kg	0.000115 %		
			205-883-8	191-24-2									
26		asbestos fibres detected (Yes/No)				No							
				ACM_FIBRES									
										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

Classification of sample: HP02-6-ES-0.20

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

Sample details

Sample name:
HP02-6-ES-0.20

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: None

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		26.2 mg/kg	1.32	34.593 mg/kg	0.00346 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %		
3	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				48.2 mg/kg	2.27	109.414 mg/kg	0.0109 %		
4	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		75.7 mg/kg	1.126	85.23 mg/kg	0.00852 %		
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	271.7 mg/kg		271.7 mg/kg	0.0272 %		
6	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		**<LOD**
7	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		30.4 mg/kg	2.976	90.478 mg/kg	0.00905 %		
8	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		**<LOD**
9	zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		442.7 mg/kg	1.968	871.409 mg/kg	0.0871 %		
10	naphthalene	601-052-00-2	202-049-5	91-20-3		0.17 mg/kg		0.17 mg/kg	0.000017 %		
11	acenaphthylene		205-917-1	208-96-8		0.11 mg/kg		0.11 mg/kg	0.000011 %		
12	acenaphthene		201-469-6	83-32-9		0.11 mg/kg		0.11 mg/kg	0.000011 %		
13	fluorene		201-695-5	86-73-7		0.14 mg/kg		0.14 mg/kg	0.000014 %		
14	phenanthrene		201-581-5	85-01-8		1.5 mg/kg		1.5 mg/kg	0.00015 %		
15	anthracene		204-371-1	120-12-7		0.64 mg/kg		0.64 mg/kg	0.000064 %		
16	fluoranthene		205-912-4	206-44-0		4.21 mg/kg		4.21 mg/kg	0.000421 %		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
17	●	pyrene				3.6 mg/kg		3.6 mg/kg	0.00036 %		
			204-927-3	129-00-0							
18		benzo[a]anthracene				1.69 mg/kg		1.69 mg/kg	0.000169 %		
		601-033-00-9	200-280-6	56-55-3							
19		chrysene				1.63 mg/kg		1.63 mg/kg	0.000163 %		
		601-048-00-0	205-923-4	218-01-9							
20		benzo[b]fluoranthene				2.49 mg/kg		2.49 mg/kg	0.000249 %		
		601-034-00-4	205-911-9	205-99-2							
21		benzo[k]fluoranthene				1.15 mg/kg		1.15 mg/kg	0.000115 %		
		601-036-00-5	205-916-6	207-08-9							
22		benzo[a]pyrene; benzo[def]chrysene				2.04 mg/kg		2.04 mg/kg	0.000204 %		
		601-032-00-3	200-028-5	50-32-8							
23	●	indeno[123-cd]pyrene				1.15 mg/kg		1.15 mg/kg	0.000115 %		
			205-893-2	193-39-5							
24		dibenz[a,h]anthracene				0.35 mg/kg		0.35 mg/kg	0.000035 %		
		601-041-00-2	200-181-8	53-70-3							
25	●	benzo[ghi]perylene				1.12 mg/kg		1.12 mg/kg	0.000112 %		
			205-883-8	191-24-2							
26	●	asbestos fibres detected (Yes/No)				No					
				ACM_FIBRES							
								Total:	0.149 %		

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

Classification of sample: HP03-8-ES-0.20

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

Sample details

Sample name:
HP03-8-ES-0.20

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: None

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		36.7 mg/kg	1.32	48.456 mg/kg	0.00485 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %		
3	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				42.9 mg/kg	2.27	97.383 mg/kg	0.00974 %		
4	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		91.4 mg/kg	1.126	102.906 mg/kg	0.0103 %		
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	252.8 mg/kg		252.8 mg/kg	0.0253 %		
6	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		**<LOD**
7	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		29 mg/kg	2.976	86.312 mg/kg	0.00863 %		
8	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		**<LOD**
9	zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		596.9 mg/kg	1.968	1174.936 mg/kg	0.117 %		
10	naphthalene	601-052-00-2	202-049-5	91-20-3		0.21 mg/kg		0.21 mg/kg	0.000021 %		
11	acenaphthylene		205-917-1	208-96-8		0.11 mg/kg		0.11 mg/kg	0.000011 %		
12	acenaphthene		201-469-6	83-32-9		0.11 mg/kg		0.11 mg/kg	0.000011 %		
13	fluorene		201-695-5	86-73-7		0.12 mg/kg		0.12 mg/kg	0.000012 %		
14	phenanthrene		201-581-5	85-01-8		1.53 mg/kg		1.53 mg/kg	0.000153 %		
15	anthracene		204-371-1	120-12-7		0.69 mg/kg		0.69 mg/kg	0.000069 %		
16	fluoranthene		205-912-4	206-44-0		5.07 mg/kg		5.07 mg/kg	0.000507 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		pyrene				4.46	mg/kg		4.46	mg/kg	0.000446 %		
			204-927-3	129-00-0									
18		benzo[a]anthracene				2.17	mg/kg		2.17	mg/kg	0.000217 %		
		601-033-00-9	200-280-6	56-55-3									
19		chrysene				2.13	mg/kg		2.13	mg/kg	0.000213 %		
		601-048-00-0	205-923-4	218-01-9									
20		benzo[b]fluoranthene				3.76	mg/kg		3.76	mg/kg	0.000376 %		
		601-034-00-4	205-911-9	205-99-2									
21		benzo[k]fluoranthene				1.52	mg/kg		1.52	mg/kg	0.000152 %		
		601-036-00-5	205-916-6	207-08-9									
22		benzo[a]pyrene; benzo[def]chrysene				2.99	mg/kg		2.99	mg/kg	0.000299 %		
		601-032-00-3	200-028-5	50-32-8									
23		indeno[123-cd]pyrene				1.69	mg/kg		1.69	mg/kg	0.000169 %		
			205-893-2	193-39-5									
24		dibenz[a,h]anthracene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
		601-041-00-2	200-181-8	53-70-3									
25		benzo[ghi]perylene				2.01	mg/kg		2.01	mg/kg	0.000201 %		
			205-883-8	191-24-2									
26		asbestos fibres detected (Yes/No)				No							
				ACM_FIBRES									
										Total:	0.179 %		

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

Classification of sample: HP04-4-ES-0.10

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

Sample details

Sample name:
HP04-4-ES-0.10

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: None

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		26 mg/kg	1.32	34.328 mg/kg	0.00343 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
3	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				30.6 mg/kg	2.27	69.462 mg/kg	0.00695 %		
4	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		58 mg/kg	1.126	65.302 mg/kg	0.00653 %		
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	168.5 mg/kg		168.5 mg/kg	0.0168 %		
6	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<LOD
7	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		32.4 mg/kg	2.976	96.431 mg/kg	0.00964 %		
8	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<LOD
9	zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		246.5 mg/kg	1.968	485.21 mg/kg	0.0485 %		
10	naphthalene	601-052-00-2	202-049-5	91-20-3		0.15 mg/kg		0.15 mg/kg	0.000015 %		
11	acenaphthylene		205-917-1	208-96-8		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<LOD
12	acenaphthene		201-469-6	83-32-9		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<LOD
13	fluorene		201-695-5	86-73-7		<0.11 mg/kg		<0.11 mg/kg	<0.000011 %		<LOD
14	phenanthrene		201-581-5	85-01-8		0.91 mg/kg		0.91 mg/kg	0.000091 %		
15	anthracene		204-371-1	120-12-7		0.4 mg/kg		0.4 mg/kg	0.00004 %		
16	fluoranthene		205-912-4	206-44-0		3.13 mg/kg		3.13 mg/kg	0.000313 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17	●	pyrene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
			204-927-3	129-00-0									
18		benzo[a]anthracene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-033-00-9	200-280-6	56-55-3									
19		chrysene				1.25	mg/kg		1.25	mg/kg	0.000125 %		
		601-048-00-0	205-923-4	218-01-9									
20		benzo[b]fluoranthene				1.83	mg/kg		1.83	mg/kg	0.000183 %		
		601-034-00-4	205-911-9	205-99-2									
21		benzo[k]fluoranthene				0.95	mg/kg		0.95	mg/kg	0.000095 %		
		601-036-00-5	205-916-6	207-08-9									
22		benzo[a]pyrene; benzo[def]chrysene				1.58	mg/kg		1.58	mg/kg	0.000158 %		
		601-032-00-3	200-028-5	50-32-8									
23	●	indeno[123-cd]pyrene				0.89	mg/kg		0.89	mg/kg	0.000089 %		
			205-893-2	193-39-5									
24		dibenz[a,h]anthracene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
		601-041-00-2	200-181-8	53-70-3									
25	●	benzo[ghi]perylene				0.89	mg/kg		0.89	mg/kg	0.000089 %		
			205-883-8	191-24-2									
26	●	asbestos fibres detected (Yes/No)				No							
				ACM_FIBRES									
										Total:	0.0936 %		

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

Classification of sample: HP05-5-ES-0.15

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

Sample details

Sample name:
HP05-5-ES-0.15

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: None

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		42.3 mg/kg	1.32	55.85 mg/kg	0.00558 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.1 mg/kg	1.142	1.257 mg/kg	0.000126 %		
3	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				66.1 mg/kg	2.27	150.047 mg/kg	0.015 %		
4	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		93.7 mg/kg	1.126	105.496 mg/kg	0.0105 %		
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	533.9 mg/kg		533.9 mg/kg	0.0534 %		
6	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.6 mg/kg	1.353	0.812 mg/kg	0.0000812 %		
7	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		54.5 mg/kg	2.976	162.206 mg/kg	0.0162 %		
8	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
9	zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		659.3 mg/kg	1.968	1297.764 mg/kg	0.13 %		
10	naphthalene	601-052-00-2	202-049-5	91-20-3		0.32 mg/kg		0.32 mg/kg	0.000032 %		
11	acenaphthylene		205-917-1	208-96-8		0.2 mg/kg		0.2 mg/kg	0.00002 %		
12	acenaphthene		201-469-6	83-32-9		0.18 mg/kg		0.18 mg/kg	0.000018 %		
13	fluorene		201-695-5	86-73-7		0.15 mg/kg		0.15 mg/kg	0.000015 %		
14	phenanthrene		201-581-5	85-01-8		1.78 mg/kg		1.78 mg/kg	0.000178 %		
15	anthracene		204-371-1	120-12-7		0.72 mg/kg		0.72 mg/kg	0.000072 %		
16	fluoranthene		205-912-4	206-44-0		5.74 mg/kg		5.74 mg/kg	0.000574 %		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
17		pyrene				5.05 mg/kg		5.05 mg/kg	0.000505 %		
			204-927-3	129-00-0							
18		benzo[a]anthracene				2.45 mg/kg		2.45 mg/kg	0.000245 %		
		601-033-00-9	200-280-6	56-55-3							
19		chrysene				2.41 mg/kg		2.41 mg/kg	0.000241 %		
		601-048-00-0	205-923-4	218-01-9							
20		benzo[b]fluoranthene				3.33 mg/kg		3.33 mg/kg	0.000333 %		
		601-034-00-4	205-911-9	205-99-2							
21		benzo[k]fluoranthene				1.57 mg/kg		1.57 mg/kg	0.000157 %		
		601-036-00-5	205-916-6	207-08-9							
22		benzo[a]pyrene; benzo[def]chrysene				2.77 mg/kg		2.77 mg/kg	0.000277 %		
		601-032-00-3	200-028-5	50-32-8							
23		indeno[123-cd]pyrene				1.48 mg/kg		1.48 mg/kg	0.000148 %		
			205-893-2	193-39-5							
24		dibenz[a,h]anthracene				0.45 mg/kg		0.45 mg/kg	0.000045 %		
		601-041-00-2	200-181-8	53-70-3							
25		benzo[ghi]perylene				1.52 mg/kg		1.52 mg/kg	0.000152 %		
			205-883-8	191-24-2							
26		asbestos fibres detected (Yes/No)				No					
				ACM_FIBRES							
								Total:	0.234 %		

Key

	User supplied data
	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
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: HP06-3-ES-0.10

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

Sample details

Sample name:
HP06-3-ES-0.10

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: None

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		25.3 mg/kg	1.32	33.404 mg/kg	0.00334 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		1.8 mg/kg	1.142	2.056 mg/kg	0.000206 %		
3	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				119.4 mg/kg	2.27	271.038 mg/kg	0.0271 %		
4	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		86.4 mg/kg	1.126	97.277 mg/kg	0.00973 %		
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	124.6 mg/kg		124.6 mg/kg	0.0125 %		
6	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.5 mg/kg	1.353	0.677 mg/kg	0.0000677 %		
7	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		35.5 mg/kg	2.976	105.657 mg/kg	0.0106 %		
8	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		**<LOD**
9	zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		532.2 mg/kg	1.968	1047.58 mg/kg	0.105 %		
10	naphthalene	601-052-00-2	202-049-5	91-20-3		0.3 mg/kg		0.3 mg/kg	0.00003 %		
11	acenaphthylene		205-917-1	208-96-8		0.19 mg/kg		0.19 mg/kg	0.000019 %		
12	acenaphthene		201-469-6	83-32-9		0.2 mg/kg		0.2 mg/kg	0.00002 %		
13	fluorene		201-695-5	86-73-7		0.17 mg/kg		0.17 mg/kg	0.000017 %		
14	phenanthrene		201-581-5	85-01-8		1.49 mg/kg		1.49 mg/kg	0.000149 %		
15	anthracene		204-371-1	120-12-7		0.6 mg/kg		0.6 mg/kg	0.00006 %		
16	fluoranthene		205-912-4	206-44-0		3.76 mg/kg		3.76 mg/kg	0.000376 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		pyrene				3.22	mg/kg		3.22	mg/kg	0.000322 %		
			204-927-3	129-00-0									
18		benzo[a]anthracene				1.44	mg/kg		1.44	mg/kg	0.000144 %		
		601-033-00-9	200-280-6	56-55-3									
19		chrysene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
		601-048-00-0	205-923-4	218-01-9									
20		benzo[b]fluoranthene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-034-00-4	205-911-9	205-99-2									
21		benzo[k]fluoranthene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		601-036-00-5	205-916-6	207-08-9									
22		benzo[a]pyrene; benzo[def]chrysene				1.97	mg/kg		1.97	mg/kg	0.000197 %		
		601-032-00-3	200-028-5	50-32-8									
23		indeno[123-cd]pyrene				1.12	mg/kg		1.12	mg/kg	0.000112 %		
			205-893-2	193-39-5									
24		dibenz[a,h]anthracene				0.33	mg/kg		0.33	mg/kg	0.000033 %		
		601-041-00-2	200-181-8	53-70-3									
25		benzo[ghi]perylene				1.18	mg/kg		1.18	mg/kg	0.000118 %		
			205-883-8	191-24-2									
26		asbestos fibres detected (Yes/No)				No							
				ACM_FIBRES									
										Total:	0.17 %		

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

Classification of sample: HP07-2-ES-0.10

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

Sample details

Sample name:
HP07-2-ES-0.10

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: None

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18.9 mg/kg	1.32	24.954 mg/kg	0.0025 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
3	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				27.8 mg/kg	2.27	63.106 mg/kg	0.00631 %		
4	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		46.4 mg/kg	1.126	52.241 mg/kg	0.00522 %		
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	150.9 mg/kg		150.9 mg/kg	0.0151 %		
6	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<**LOD**
7	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		33.7 mg/kg	2.976	100.3 mg/kg	0.01 %		
8	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<**LOD**
9	zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		303.8 mg/kg	1.968	597.999 mg/kg	0.0598 %		
10	naphthalene	601-052-00-2	202-049-5	91-20-3		0.16 mg/kg		0.16 mg/kg	0.000016 %		
11	acenaphthylene		205-917-1	208-96-8		0.13 mg/kg		0.13 mg/kg	0.000013 %		
12	acenaphthene		201-469-6	83-32-9		0.12 mg/kg		0.12 mg/kg	0.000012 %		
13	fluorene		201-695-5	86-73-7		0.12 mg/kg		0.12 mg/kg	0.000012 %		
14	phenanthrene		201-581-5	85-01-8		1.08 mg/kg		1.08 mg/kg	0.000108 %		
15	anthracene		204-371-1	120-12-7		0.42 mg/kg		0.42 mg/kg	0.000042 %		
16	fluoranthene		205-912-4	206-44-0		2.53 mg/kg		2.53 mg/kg	0.000253 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		pyrene				2.13	mg/kg		2.13	mg/kg	0.000213 %		
			204-927-3	129-00-0									
18		benzo[a]anthracene				0.9	mg/kg		0.9	mg/kg	0.00009 %		
		601-033-00-9	200-280-6	56-55-3									
19		chrysene				0.94	mg/kg		0.94	mg/kg	0.000094 %		
		601-048-00-0	205-923-4	218-01-9									
20		benzo[b]fluoranthene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-034-00-4	205-911-9	205-99-2									
21		benzo[k]fluoranthene				0.64	mg/kg		0.64	mg/kg	0.000064 %		
		601-036-00-5	205-916-6	207-08-9									
22		benzo[a]pyrene; benzo[def]chrysene				1.02	mg/kg		1.02	mg/kg	0.000102 %		
		601-032-00-3	200-028-5	50-32-8									
23		indeno[123-cd]pyrene				0.5	mg/kg		0.5	mg/kg	0.00005 %		
			205-893-2	193-39-5									
24		dibenz[a,h]anthracene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
		601-041-00-2	200-181-8	53-70-3									
25		benzo[ghi]perylene				0.51	mg/kg		0.51	mg/kg	0.000051 %		
			205-883-8	191-24-2									
26		asbestos fibres detected (Yes/No)				No							
				ACM_FIBRES									
										Total:	0.1 %		

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

Classification of sample: HP08-1-ES-0.10

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

Sample details

Sample name:
HP08-1-ES-0.10

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: None

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		18 mg/kg	1.32	23.766 mg/kg	0.00238 %		
2	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.4 mg/kg	1.142	0.457 mg/kg	0.0000457 %		
3	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				26.4 mg/kg	2.27	59.928 mg/kg	0.00599 %		
4	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		44.2 mg/kg	1.126	49.764 mg/kg	0.00498 %		
5	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	142.3 mg/kg		142.3 mg/kg	0.0142 %		
6	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.5 mg/kg	1.353	<0.677 mg/kg	<0.0000677 %		<**LOD**
7	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		32.1 mg/kg	2.976	95.538 mg/kg	0.00955 %		
8	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<0.5 mg/kg	2.554	<1.277 mg/kg	<0.000128 %		<**LOD**
9	zinc { trizinc bis(orthophosphate) }	030-011-00-6	231-944-3	7779-90-0		287.4 mg/kg	1.968	565.717 mg/kg	0.0566 %		
10	naphthalene	601-052-00-2	202-049-5	91-20-3		0.69 mg/kg		0.69 mg/kg	0.000069 %		
11	acenaphthylene		205-917-1	208-96-8		0.28 mg/kg		0.28 mg/kg	0.000028 %		
12	acenaphthene		201-469-6	83-32-9		0.47 mg/kg		0.47 mg/kg	0.000047 %		
13	fluorene		201-695-5	86-73-7		0.35 mg/kg		0.35 mg/kg	0.000035 %		
14	phenanthrene		201-581-5	85-01-8		3.38 mg/kg		3.38 mg/kg	0.000338 %		
15	anthracene		204-371-1	120-12-7		0.84 mg/kg		0.84 mg/kg	0.000084 %		
16	fluoranthene		205-912-4	206-44-0		5.69 mg/kg		5.69 mg/kg	0.000569 %		

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
17		pyrene				4.93 mg/kg		4.93 mg/kg	0.000493 %		
			204-927-3	129-00-0							
18		benzo[a]anthracene				3.31 mg/kg		3.31 mg/kg	0.000331 %		
		601-033-00-9	200-280-6	56-55-3							
19		chrysene				2.59 mg/kg		2.59 mg/kg	0.000259 %		
		601-048-00-0	205-923-4	218-01-9							
20		benzo[b]fluoranthene				3.86 mg/kg		3.86 mg/kg	0.000386 %		
		601-034-00-4	205-911-9	205-99-2							
21		benzo[k]fluoranthene				1.37 mg/kg		1.37 mg/kg	0.000137 %		
		601-036-00-5	205-916-6	207-08-9							
22		benzo[a]pyrene; benzo[def]chrysene				3.28 mg/kg		3.28 mg/kg	0.000328 %		
		601-032-00-3	200-028-5	50-32-8							
23		indeno[123-cd]pyrene				2.06 mg/kg		2.06 mg/kg	0.000206 %		
			205-893-2	193-39-5							
24		dibenz[a,h]anthracene				0.47 mg/kg		0.47 mg/kg	0.000047 %		
		601-041-00-2	200-181-8	53-70-3							
25		benzo[ghi]perylene				1.96 mg/kg		1.96 mg/kg	0.000196 %		
			205-883-8	191-24-2							
26		asbestos fibres detected (Yes/No)				No					
				ACM_FIBRES							
								Total:	0.0973 %		

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

Appendix A: Classifier defined and non GB MCL determinands

lead compounds with the exception of those specified elsewhere in this Annex (worst case)

GB MCL index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

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

- **asbestos fibres detected (Yes/No)** (CAS Number: ACM_FIBRES)

Description/Comments: not classified, information only
Data source: N/A
Data source date: 15 Jan 2020
Hazard Statements: None.

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

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

cadmium {cadmium oxide}

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

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

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

copper {dicopper oxide; copper (I) oxide}

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

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

There is a limited amount of chromium in these samples and therefore the worst case lead species, lead chromate has been downgraded.

mercury {mercury dichloride}

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

nickel {nickel chromate}

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

selenium {nickel selenate}

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

zinc {trizinc bis(orthophosphate)}

There is not hexavalent chromium to produce hazardous amounts of the worst case zinc chromate. Zinc sulphates and chlorides are highly soluble and so wouldn't persist in excavated soil samples. Therefore the next worst case trizinc bis(orthophosphate) has been selected.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2025.225.6743.12238 (13 Aug 2025)
HazWasteOnline Database: 2025.225.6743.12238 (13 Aug 2025)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021
GB MCL List v2.0 - version 2.0 of 20th October 2023
GB MCL List v3.0 - version 3.0 of 11th January 2024
GB MCL List v4.0 - version 4.0 of 2nd March 2024
GB MCL List v5.0 - version 5.0 of 26th June 2024
GB MCL List v6.0 - version 6.0 of 15th February 2025