

Waste Classification Report

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

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



XSWTX-20K9G-8OWOU

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

Job name

15-823

Description/Comments

This Waste Classification is based on the analytical results provided by E3P on the i2 Analytical Ltd 'Analytical Report' Number 22-64200. Soil Samples Only. During the assessment we have considered the 'worst or most reasonable case' metals compounds as laboratory reports only provide total concentrations of a metal e.g. Cu but not which compound(s) (species) of the metal present within the respective soil samples e.g. CuSO₄. If the assessment is non-hazardous based on these worst case species no further 'species' consideration is required. With TPH, WM3 (EA) require assessment of the potential presence of an unknown 'oil' by assessing the TPH range C6 – C40. Where the concentration of TPH is >0.1% (1000mg/kg) the 'soil' will be classed as HP 7 Carcinogenic and HP 11 Mutagenic, unless the concentration of the marker benzo(a)pyrene is <0.01% of the TPH concentration and confirmation is received that the TPH result has not arisen from petrol or diesel sources. Note that samples consider moisture content correction factors. In the case of any samples exceeding the 1000mg/kg TPH value and also the marker benzo(a)pyrene at <0.01% of the TPH concentration, the moisture correction factor could make it 'non-hazardous'. It is the responsibility of the geo-environmental consultant to target the laboratory analysis suite and testing to appropriately reflect the nature of the site, its activities and its impact on surrounding soils. WM3 states that the assessment of asbestos containing waste considers both the presence of asbestos as a) fibres that are free and dispersed, and b) identifiable pieces of asbestos containing material. If the waste contains fibres that are free and dispersed then the waste will be hazardous if the waste as a whole contains 0.1% or more asbestos. Where the waste contains identifiable pieces of asbestos containing material (i.e. any size that can be identified as potentially being asbestos by a competent person by the naked eye) it is deemed hazardous.

Project

Waste Classification

Site

Whitworth Street

Classified by

Name: **Daniel Enon**
 Date: **22 Jun 2022 09:14 GMT**
 Telephone: **0161 706 0402**
 Company: **RJT Consulting Partnerships Ltd**

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

HazWasteOnline™ Certification:

CERTIFIED

Course

Hazardous Waste Classification
 Most recent 3 year Refresher

Date

18 Sep 2019
 02 Aug 2022 *

Next 3 year Refresher due by Sep 2022
 * training course booked

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP101	0.40	Non Hazardous		3
2	TP103	1.60	Non Hazardous		5
3	WAC003	1.50	Non Hazardous		7
4	TP107	0.40	Non Hazardous		9
5	TP108	2.20	Non Hazardous		11
6	TP109	1.00	Non Hazardous		13
7	TP111	0.10	Non Hazardous		15
8	TP113	1.40	Non Hazardous		17

Related documents

#	Name	Description
1	E3P I2 Characterisation Suite 4	waste stream template used to create this Job

Report

Created by: Daniel Enon

Created date: 22 Jun 2022 09:14 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	19
Appendix B: Rationale for selection of metal species	20
Appendix C: Version	21

Classification of sample: TP101

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

Sample details

Sample name:	LoW Code:
TP101	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.40 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14%	
(dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 14% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				10.1 pH		10.1 pH	10.1 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
4	naphthalene				1.1 mg/kg		0.965 mg/kg	0.0000965 %	✓	
	601-052-00-2	202-049-5	91-20-3							
5	acenaphthylene				0.4 mg/kg		0.351 mg/kg	0.0000351 %	✓	
		205-917-1	208-96-8							
6	acenaphthene				0.69 mg/kg		0.605 mg/kg	0.0000605 %	✓	
		201-469-6	83-32-9							
7	fluorene				0.92 mg/kg		0.807 mg/kg	0.0000807 %	✓	
		201-695-5	86-73-7							
8	phenanthrene				5.8 mg/kg		5.088 mg/kg	0.000509 %	✓	
		201-581-5	85-01-8							
9	anthracene				1.2 mg/kg		1.053 mg/kg	0.000105 %	✓	
		204-371-1	120-12-7							
10	fluoranthene				6 mg/kg		5.263 mg/kg	0.000526 %	✓	
		205-912-4	206-44-0							
11	pyrene				6.5 mg/kg		5.702 mg/kg	0.00057 %	✓	
		204-927-3	129-00-0							
12	benzo[a]anthracene				3.4 mg/kg		2.982 mg/kg	0.000298 %	✓	
	601-033-00-9	200-280-6	56-55-3							
13	chrysene				2.8 mg/kg		2.456 mg/kg	0.000246 %	✓	
	601-048-00-0	205-923-4	218-01-9							
14	benzo[b]fluoranthene				3.1 mg/kg		2.719 mg/kg	0.000272 %	✓	
	601-034-00-4	205-911-9	205-99-2							
15	benzo[k]fluoranthene				0.95 mg/kg		0.833 mg/kg	0.0000833 %	✓	
	601-036-00-5	205-916-6	207-08-9							
16	benzo[a]pyrene; benzo[def]chrysene				2.6 mg/kg		2.281 mg/kg	0.000228 %	✓	
	601-032-00-3	200-028-5	50-32-8							

#		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		indeno[123-cd]pyrene				1.2	mg/kg		1.053	mg/kg	0.000105 %	✓	
			205-893-2	193-39-5									
18		dibenz[a,h]anthracene				0.32	mg/kg		0.281	mg/kg	0.0000281 %	✓	
			601-041-00-2	200-181-8									
19		benzo[ghi]perylene				1.5	mg/kg		1.316	mg/kg	0.000132 %	✓	
				205-883-8									
20		arsenic { arsenic trioxide }				13	mg/kg	1.32	15.056	mg/kg	0.00151 %	✓	
			033-003-00-0	215-481-4									
21		cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
			048-002-00-0	215-146-2									
22		chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
			024-001-00-0	215-607-8									
23		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				20	mg/kg	1.462	25.641	mg/kg	0.00256 %	✓	
				215-160-9									
24		copper { dicopper oxide; copper (I) oxide }				67	mg/kg	1.126	66.171	mg/kg	0.00662 %	✓	
			029-002-00-X	215-270-7									
25		lead { lead chromate }			1	130	mg/kg	1.56	177.874	mg/kg	0.0114 %	✓	
			082-004-00-2	231-846-0									
26		mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
			080-010-00-X	231-299-8									
27		nickel { nickel chromate }				18	mg/kg	2.976	46.994	mg/kg	0.0047 %	✓	
			028-035-00-7	238-766-5									
28		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										
29		zinc { zinc chromate }				110	mg/kg	2.774	267.681	mg/kg	0.0268 %	✓	
			024-007-00-3	236-878-9									
30		TPH (C6 to C40) petroleum group				290	mg/kg		254.386	mg/kg	0.0254 %	✓	
				TPH									
Total:									0.0832 %				

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
ND	Not detected
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 HP3(i) - Flammable relates to liquids. However, this assessment was undertaken on solid soil samples and therefore this hazardous property does not apply at the concentrations within the data and the threshold can be raised to 1,000mg/kg.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0254%)

Classification of sample: TP103

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

Sample details

Sample name:	LoW Code:
TP103	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
1.60 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11%	
(dry weight correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				9.8 pH		9.8 pH	9.8 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
4	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
5	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
6	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
7	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
8	phenanthrene				1.3 mg/kg		1.171 mg/kg	0.000117 %	✓	
		201-581-5	85-01-8							
9	anthracene				0.28 mg/kg		0.252 mg/kg	0.0000252 %	✓	
		204-371-1	120-12-7							
10	fluoranthene				1.8 mg/kg		1.622 mg/kg	0.000162 %	✓	
		205-912-4	206-44-0							
11	pyrene				1.8 mg/kg		1.622 mg/kg	0.000162 %	✓	
		204-927-3	129-00-0							
12	benzo[a]anthracene				0.91 mg/kg		0.82 mg/kg	0.000082 %	✓	
	601-033-00-9	200-280-6	56-55-3							
13	chrysene				0.96 mg/kg		0.865 mg/kg	0.0000865 %	✓	
	601-048-00-0	205-923-4	218-01-9							
14	benzo[b]fluoranthene				0.69 mg/kg		0.622 mg/kg	0.0000622 %	✓	
	601-034-00-4	205-911-9	205-99-2							
15	benzo[k]fluoranthene				0.71 mg/kg		0.64 mg/kg	0.000064 %	✓	
	601-036-00-5	205-916-6	207-08-9							
16	benzo[a]pyrene; benzo[def]chrysene				0.85 mg/kg		0.766 mg/kg	0.0000766 %	✓	
	601-032-00-3	200-028-5	50-32-8							

#	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	indeno[123-cd]pyrene	205-893-2	193-39-5		0.37 mg/kg		0.333 mg/kg	0.0000333 %	✓	
18	dibenz[a,h]anthracene	601-041-00-2	200-181-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	benzo[ghi]perylene	205-883-8	191-24-2		0.57 mg/kg		0.514 mg/kg	0.0000514 %	✓	
20	arsenic { arsenic trioxide }	033-003-00-0	215-481-4		9.8 mg/kg	1.32	11.657 mg/kg	0.00117 %	✓	
21	cadmium { cadmium oxide }	048-002-00-0	215-146-2		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
22	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
23	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		18 mg/kg	1.462	23.701 mg/kg	0.00237 %	✓	
24	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7		34 mg/kg	1.126	34.487 mg/kg	0.00345 %	✓	
25	lead { lead chromate }	082-004-00-2	231-846-0	1	66 mg/kg	1.56	92.746 mg/kg	0.00595 %	✓	
26	mercury { mercury dichloride }	080-010-00-X	231-299-8		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
27	nickel { nickel chromate }	028-035-00-7	238-766-5		15 mg/kg	2.976	40.22 mg/kg	0.00402 %	✓	
28	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
29	zinc { zinc chromate }	024-007-00-3	236-878-9		110 mg/kg	2.774	274.915 mg/kg	0.0275 %	✓	
30	TPH (C6 to C40) petroleum group		TPH		93 mg/kg		83.784 mg/kg	0.00838 %	✓	
Total:								0.0546 %		

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
ND	Not detected
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 HP3(i) - Flammable relates to liquids. However, this assessment was undertaken on solid soil samples and therefore this hazardous property does not apply at the concentrations within the data and the threshold can be raised to 1,000mg/kg.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00838%)

Classification of sample: WAC003

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

Sample details

Sample name:	LoW Code:
WAC003	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
1.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
10%	
(dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 10% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				8.9 pH		8.9 pH	8.9 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
4	naphthalene				1.3 mg/kg		1.182 mg/kg	0.000118 %	✓	
	601-052-00-2	202-049-5	91-20-3							
5	acenaphthylene				0.39 mg/kg		0.355 mg/kg	0.0000355 %	✓	
		205-917-1	208-96-8							
6	acenaphthene				1.1 mg/kg		1 mg/kg	0.0001 %	✓	
		201-469-6	83-32-9							
7	fluorene				0.92 mg/kg		0.836 mg/kg	0.0000836 %	✓	
		201-695-5	86-73-7							
8	phenanthrene				10 mg/kg		9.091 mg/kg	0.000909 %	✓	
		201-581-5	85-01-8							
9	anthracene				1.9 mg/kg		1.727 mg/kg	0.000173 %	✓	
		204-371-1	120-12-7							
10	fluoranthene				9.9 mg/kg		9 mg/kg	0.0009 %	✓	
		205-912-4	206-44-0							
11	pyrene				8.8 mg/kg		8 mg/kg	0.0008 %	✓	
		204-927-3	129-00-0							
12	benzo[a]anthracene				4.3 mg/kg		3.909 mg/kg	0.000391 %	✓	
	601-033-00-9	200-280-6	56-55-3							
13	chrysene				4.5 mg/kg		4.091 mg/kg	0.000409 %	✓	
	601-048-00-0	205-923-4	218-01-9							
14	benzo[b]fluoranthene				4.8 mg/kg		4.364 mg/kg	0.000436 %	✓	
	601-034-00-4	205-911-9	205-99-2							
15	benzo[k]fluoranthene				1.6 mg/kg		1.455 mg/kg	0.000145 %	✓	
	601-036-00-5	205-916-6	207-08-9							
16	benzo[a]pyrene; benzo[def]chrysene				3.7 mg/kg		3.364 mg/kg	0.000336 %	✓	
	601-032-00-3	200-028-5	50-32-8							

#	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	indeno[123-cd]pyrene	205-893-2	193-39-5		1.7 mg/kg		1.545 mg/kg	0.000155 %	✓	
18	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.4 mg/kg		0.364 mg/kg	0.0000364 %	✓	
19	benzo[ghi]perylene	205-883-8	191-24-2		2.3 mg/kg		2.091 mg/kg	0.000209 %	✓	
20	arsenic { arsenic trioxide }	033-003-00-0	215-481-4		12 mg/kg	1.32	14.404 mg/kg	0.00144 %	✓	
21	cadmium { cadmium oxide }	048-002-00-0	215-146-2		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
22	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
23	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		21 mg/kg	1.462	27.902 mg/kg	0.00279 %	✓	
24	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7		73 mg/kg	1.126	74.718 mg/kg	0.00747 %	✓	
25	lead { lead chromate }	082-004-00-2	231-846-0	1	300 mg/kg	1.56	425.404 mg/kg	0.0273 %	✓	
26	mercury { mercury dichloride }	080-010-00-X	231-299-8		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
27	nickel { nickel chromate }	028-035-00-7	238-766-5		17 mg/kg	2.976	45.997 mg/kg	0.0046 %	✓	
28	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
29	zinc { zinc chromate }	024-007-00-3	236-878-9		140 mg/kg	2.774	353.073 mg/kg	0.0353 %	✓	
30	TPH (C6 to C40) petroleum group		TPH		280 mg/kg		254.545 mg/kg	0.0255 %	✓	
Total:								0.11 %		

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
ND	Not detected
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 HP3(i) - Flammable relates to liquids. However, this assessment was undertaken on solid soil samples and therefore this hazardous property does not apply at the concentrations within the data and the threshold can be raised to 1,000mg/kg.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0255%)

Classification of sample: TP107

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

Sample details

Sample name:	LoW Code:
TP107	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.40 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14%	
(dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 14% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				10.2 pH		10.2 pH	10.2 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
4	naphthalene				0.5 mg/kg		0.439 mg/kg	0.0000439 %	✓	
	601-052-00-2	202-049-5	91-20-3							
5	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
6	acenaphthene				0.43 mg/kg		0.377 mg/kg	0.0000377 %	✓	
		201-469-6	83-32-9							
7	fluorene				0.51 mg/kg		0.447 mg/kg	0.0000447 %	✓	
		201-695-5	86-73-7							
8	phenanthrene				3.1 mg/kg		2.719 mg/kg	0.000272 %	✓	
		201-581-5	85-01-8							
9	anthracene				0.68 mg/kg		0.596 mg/kg	0.0000596 %	✓	
		204-371-1	120-12-7							
10	fluoranthene				3.6 mg/kg		3.158 mg/kg	0.000316 %	✓	
		205-912-4	206-44-0							
11	pyrene				3.6 mg/kg		3.158 mg/kg	0.000316 %	✓	
		204-927-3	129-00-0							
12	benzo[a]anthracene				1.9 mg/kg		1.667 mg/kg	0.000167 %	✓	
	601-033-00-9	200-280-6	56-55-3							
13	chrysene				2 mg/kg		1.754 mg/kg	0.000175 %	✓	
	601-048-00-0	205-923-4	218-01-9							
14	benzo[b]fluoranthene				2.2 mg/kg		1.93 mg/kg	0.000193 %	✓	
	601-034-00-4	205-911-9	205-99-2							
15	benzo[k]fluoranthene				0.92 mg/kg		0.807 mg/kg	0.0000807 %	✓	
	601-036-00-5	205-916-6	207-08-9							
16	benzo[a]pyrene; benzo[def]chrysene				1.9 mg/kg		1.667 mg/kg	0.000167 %	✓	
	601-032-00-3	200-028-5	50-32-8							

#		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		indeno[123-cd]pyrene				1 mg/kg		0.877 mg/kg	0.0000877 %	✓		
			205-893-2	193-39-5								
18		dibenz[a,h]anthracene				0.3 mg/kg		0.263 mg/kg	0.0000263 %	✓		
			601-041-00-2	200-181-8								
19		benzo[ghi]perylene				1.3 mg/kg		1.14 mg/kg	0.000114 %	✓		
				205-883-8								
20		arsenic { arsenic trioxide }				13 mg/kg	1.32	15.056 mg/kg	0.00151 %	✓		
			033-003-00-0	215-481-4								
21		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
			048-002-00-0	215-146-2								
22		chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD	
			024-001-00-0	215-607-8								
23		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19 mg/kg	1.462	24.359 mg/kg	0.00244 %	✓		
				215-160-9								
24		copper { dicopper oxide; copper (I) oxide }				71 mg/kg	1.126	70.121 mg/kg	0.00701 %	✓		
			029-002-00-X	215-270-7								
25		lead { lead chromate }			1	140 mg/kg	1.56	191.556 mg/kg	0.0123 %	✓		
			082-004-00-2	231-846-0								
26		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
			080-010-00-X	231-299-8								
27		nickel { nickel chromate }				17 mg/kg	2.976	44.383 mg/kg	0.00444 %	✓		
			028-035-00-7	238-766-5								
28		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									
29		zinc { zinc chromate }				120 mg/kg	2.774	292.015 mg/kg	0.0292 %	✓		
			024-007-00-3	236-878-9								
30		TPH (C6 to C40) petroleum group				140 mg/kg		122.807 mg/kg	0.0123 %	✓		
				TPH								
Total:									0.0721 %			

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
ND	Not detected
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 HP3(i) - Flammable relates to liquids. However, this assessment was undertaken on solid soil samples and therefore this hazardous property does not apply at the concentrations within the data and the threshold can be raised to 1,000mg/kg.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0123%)

Classification of sample: TP108

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

Sample details

Sample name:	LoW Code:
TP108	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)
2.20 m	
Moisture content:	
9%	
(dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 9% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				9.4 pH		9.4 pH	9.4 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
4	naphthalene				1.9 mg/kg		1.743 mg/kg	0.000174 %	✓	
	601-052-00-2	202-049-5	91-20-3							
5	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
6	acenaphthene				0.57 mg/kg		0.523 mg/kg	0.0000523 %	✓	
		201-469-6	83-32-9							
7	fluorene				0.74 mg/kg		0.679 mg/kg	0.0000679 %	✓	
		201-695-5	86-73-7							
8	phenanthrene				4.2 mg/kg		3.853 mg/kg	0.000385 %	✓	
		201-581-5	85-01-8							
9	anthracene				0.64 mg/kg		0.587 mg/kg	0.0000587 %	✓	
		204-371-1	120-12-7							
10	fluoranthene				3.9 mg/kg		3.578 mg/kg	0.000358 %	✓	
		205-912-4	206-44-0							
11	pyrene				3.6 mg/kg		3.303 mg/kg	0.00033 %	✓	
		204-927-3	129-00-0							
12	benzo[a]anthracene				2 mg/kg		1.835 mg/kg	0.000183 %	✓	
	601-033-00-9	200-280-6	56-55-3							
13	chrysene				1.6 mg/kg		1.468 mg/kg	0.000147 %	✓	
	601-048-00-0	205-923-4	218-01-9							
14	benzo[b]fluoranthene				1.6 mg/kg		1.468 mg/kg	0.000147 %	✓	
	601-034-00-4	205-911-9	205-99-2							
15	benzo[k]fluoranthene				0.84 mg/kg		0.771 mg/kg	0.0000771 %	✓	
	601-036-00-5	205-916-6	207-08-9							
16	benzo[a]pyrene; benzo[def]chrysene				1.3 mg/kg		1.193 mg/kg	0.000119 %	✓	
	601-032-00-3	200-028-5	50-32-8							

#	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	indeno[123-cd]pyrene	205-893-2	193-39-5		0.59 mg/kg		0.541 mg/kg	0.0000541 %	✓		
18	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
19	benzo[ghi]perylene	205-883-8	191-24-2		0.84 mg/kg		0.771 mg/kg	0.0000771 %	✓		
20	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	8.3 mg/kg	1.32	10.054 mg/kg	0.00101 %	✓		
21	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0	0.4 mg/kg	1.142	0.419 mg/kg	0.0000419 %	✓		
22	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %			<LOD
23	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		11 mg/kg	1.462	14.75 mg/kg	0.00147 %	✓		
24	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	89 mg/kg	1.126	91.93 mg/kg	0.00919 %	✓		
25	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	56 mg/kg	1.56	80.137 mg/kg	0.00514 %	✓		
26	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
27	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	14 mg/kg	2.976	38.227 mg/kg	0.00382 %	✓		
28	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
29	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	80 mg/kg	2.774	203.607 mg/kg	0.0204 %	✓		
30	TPH (C6 to C40) petroleum group		TPH		56 mg/kg		51.376 mg/kg	0.00514 %	✓		
Total:									0.0492 %		

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
ND	Not detected
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 HP3(i) - Flammable relates to liquids. However, this assessment was undertaken on solid soil samples and therefore this hazardous property does not apply at the concentrations within the data and the threshold can be raised to 1,000mg/kg.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00514%)

Classification of sample: TP109

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

Sample details

Sample name:	LoW Code:
TP109	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:	
11%	
(dry weight correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				11.4 pH		11.4 pH	11.4 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
4	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
5	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
6	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
7	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
8	phenanthrene				2.4 mg/kg		2.162 mg/kg	0.000216 %	✓	
		201-581-5	85-01-8							
9	anthracene				0.58 mg/kg		0.523 mg/kg	0.0000523 %	✓	
		204-371-1	120-12-7							
10	fluoranthene				3.7 mg/kg		3.333 mg/kg	0.000333 %	✓	
		205-912-4	206-44-0							
11	pyrene				3.5 mg/kg		3.153 mg/kg	0.000315 %	✓	
		204-927-3	129-00-0							
12	benzo[a]anthracene				1.9 mg/kg		1.712 mg/kg	0.000171 %	✓	
	601-033-00-9	200-280-6	56-55-3							
13	chrysene				1.9 mg/kg		1.712 mg/kg	0.000171 %	✓	
	601-048-00-0	205-923-4	218-01-9							
14	benzo[b]fluoranthene				2.1 mg/kg		1.892 mg/kg	0.000189 %	✓	
	601-034-00-4	205-911-9	205-99-2							
15	benzo[k]fluoranthene				0.86 mg/kg		0.775 mg/kg	0.0000775 %	✓	
	601-036-00-5	205-916-6	207-08-9							
16	benzo[a]pyrene; benzo[def]chrysene				1.8 mg/kg		1.622 mg/kg	0.000162 %	✓	
	601-032-00-3	200-028-5	50-32-8							

#	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	indeno[123-cd]pyrene	205-893-2	193-39-5		0.89 mg/kg		0.802 mg/kg	0.0000802 %	✓	
18	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.22 mg/kg		0.198 mg/kg	0.0000198 %	✓	
19	benzo[ghi]perylene	205-883-8	191-24-2		1.1 mg/kg		0.991 mg/kg	0.0000991 %	✓	
20	arsenic { arsenic trioxide }	033-003-00-0	215-481-4		9.9 mg/kg	1.32	11.776 mg/kg	0.00118 %	✓	
21	cadmium { cadmium oxide }	048-002-00-0	215-146-2		0.4 mg/kg	1.142	0.412 mg/kg	0.0000412 %	✓	
22	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
23	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		21 mg/kg	1.462	27.651 mg/kg	0.00277 %	✓	
24	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7		470 mg/kg	1.126	476.727 mg/kg	0.0477 %	✓	
25	lead { lead chromate }	082-004-00-2	231-846-0	1	77 mg/kg	1.56	108.203 mg/kg	0.00694 %	✓	
26	mercury { mercury dichloride }	080-010-00-X	231-299-8		<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
27	nickel { nickel chromate }	028-035-00-7	238-766-5		16 mg/kg	2.976	42.901 mg/kg	0.00429 %	✓	
28	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
29	zinc { zinc chromate }	024-007-00-3	236-878-9		80 mg/kg	2.774	199.938 mg/kg	0.02 %	✓	
30	TPH (C6 to C40) petroleum group		TPH		230 mg/kg		207.207 mg/kg	0.0207 %	✓	
Total:								0.106 %		

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
ND	Not detected
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 HP3(i) - Flammable relates to liquids. However, this assessment was undertaken on solid soil samples and therefore this hazardous property does not apply at the concentrations within the data and the threshold can be raised to 1,000mg/kg.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0207%)

Classification of sample: TP111

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

Sample details

Sample name:	LoW Code:
TP111	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.10 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14%	
(dry weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 14% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				10.5 pH		10.5 pH	10.5 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
4	naphthalene				1 mg/kg		0.877 mg/kg	0.0000877 %	✓	
	601-052-00-2	202-049-5	91-20-3							
5	acenaphthylene				0.45 mg/kg		0.395 mg/kg	0.0000395 %	✓	
		205-917-1	208-96-8							
6	acenaphthene				0.73 mg/kg		0.64 mg/kg	0.000064 %	✓	
		201-469-6	83-32-9							
7	fluorene				1.1 mg/kg		0.965 mg/kg	0.0000965 %	✓	
		201-695-5	86-73-7							
8	phenanthrene				6.9 mg/kg		6.053 mg/kg	0.000605 %	✓	
		201-581-5	85-01-8							
9	anthracene				1.6 mg/kg		1.404 mg/kg	0.00014 %	✓	
		204-371-1	120-12-7							
10	fluoranthene				7.4 mg/kg		6.491 mg/kg	0.000649 %	✓	
		205-912-4	206-44-0							
11	pyrene				7.8 mg/kg		6.842 mg/kg	0.000684 %	✓	
		204-927-3	129-00-0							
12	benzo[a]anthracene				4 mg/kg		3.509 mg/kg	0.000351 %	✓	
	601-033-00-9	200-280-6	56-55-3							
13	chrysene				3.8 mg/kg		3.333 mg/kg	0.000333 %	✓	
	601-048-00-0	205-923-4	218-01-9							
14	benzo[b]fluoranthene				3.8 mg/kg		3.333 mg/kg	0.000333 %	✓	
	601-034-00-4	205-911-9	205-99-2							
15	benzo[k]fluoranthene				1.6 mg/kg		1.404 mg/kg	0.00014 %	✓	
	601-036-00-5	205-916-6	207-08-9							
16	benzo[a]pyrene; benzo[def]chrysene				3.7 mg/kg		3.246 mg/kg	0.000325 %	✓	
	601-032-00-3	200-028-5	50-32-8							

#	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	indeno[123-cd]pyrene	205-893-2	193-39-5		1.5 mg/kg		1.316 mg/kg	0.000132 %	✓	
18	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.48 mg/kg		0.421 mg/kg	0.0000421 %	✓	
19	benzo[ghi]perylene	205-883-8	191-24-2		2 mg/kg		1.754 mg/kg	0.000175 %	✓	
20	arsenic { arsenic trioxide }	033-003-00-0	215-481-4		18 mg/kg	1.32	20.847 mg/kg	0.00208 %	✓	
21	cadmium { cadmium oxide }	048-002-00-0	215-146-2		<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD
22	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
23	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		19 mg/kg	1.462	24.359 mg/kg	0.00244 %	✓	
24	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7		76 mg/kg	1.126	75.059 mg/kg	0.00751 %	✓	
25	lead { lead chromate }	082-004-00-2	231-846-0	1	400 mg/kg	1.56	547.304 mg/kg	0.0351 %	✓	
26	mercury { mercury dichloride }	080-010-00-X	231-299-8		2.5 mg/kg	1.353	2.968 mg/kg	0.000297 %	✓	
27	nickel { nickel chromate }	028-035-00-7	238-766-5		21 mg/kg	2.976	54.826 mg/kg	0.00548 %	✓	
28	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
29	zinc { zinc chromate }	024-007-00-3	236-878-9		220 mg/kg	2.774	535.362 mg/kg	0.0535 %	✓	
30	TPH (C6 to C40) petroleum group		TPH		120 mg/kg		105.263 mg/kg	0.0105 %	✓	
Total:								0.122 %		

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
ND	Not detected
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 HP3(i) - Flammable relates to liquids. However, this assessment was undertaken on solid soil samples and therefore this hazardous property does not apply at the concentrations within the data and the threshold can be raised to 1,000mg/kg.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0105%)

Classification of sample: TP113

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

Sample details

Sample name:	LoW Code:
TP113	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
1.40 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13%	
(dry weight correction)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				9.5 pH		9.5 pH	9.5 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
3	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
4	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
5	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
6	acenaphthene				0.34 mg/kg		0.301 mg/kg	0.0000301 %	✓	
		201-469-6	83-32-9							
7	fluorene				0.39 mg/kg		0.345 mg/kg	0.0000345 %	✓	
		201-695-5	86-73-7							
8	phenanthrene				3.7 mg/kg		3.274 mg/kg	0.000327 %	✓	
		201-581-5	85-01-8							
9	anthracene				0.76 mg/kg		0.673 mg/kg	0.0000673 %	✓	
		204-371-1	120-12-7							
10	fluoranthene				5.3 mg/kg		4.69 mg/kg	0.000469 %	✓	
		205-912-4	206-44-0							
11	pyrene				4.8 mg/kg		4.248 mg/kg	0.000425 %	✓	
		204-927-3	129-00-0							
12	benzo[a]anthracene				2.6 mg/kg		2.301 mg/kg	0.00023 %	✓	
	601-033-00-9	200-280-6	56-55-3							
13	chrysene				2.6 mg/kg		2.301 mg/kg	0.00023 %	✓	
	601-048-00-0	205-923-4	218-01-9							
14	benzo[b]fluoranthene				2.9 mg/kg		2.566 mg/kg	0.000257 %	✓	
	601-034-00-4	205-911-9	205-99-2							
15	benzo[k]fluoranthene				1.1 mg/kg		0.973 mg/kg	0.0000973 %	✓	
	601-036-00-5	205-916-6	207-08-9							
16	benzo[a]pyrene; benzo[def]chrysene				2.5 mg/kg		2.212 mg/kg	0.000221 %	✓	
	601-032-00-3	200-028-5	50-32-8							

#		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		indeno[123-cd]pyrene				1.2 mg/kg		1.062 mg/kg	0.000106 %	✓		
			205-893-2	193-39-5								
18		dibenz[a,h]anthracene				0.31 mg/kg		0.274 mg/kg	0.0000274 %	✓		
			601-041-00-2	200-181-8								
19		benzo[ghi]perylene				1.5 mg/kg		1.327 mg/kg	0.000133 %	✓		
				205-883-8								
20		arsenic { arsenic trioxide }				13 mg/kg	1.32	15.19 mg/kg	0.00152 %	✓		
			033-003-00-0	215-481-4								
21		cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %		<LOD	
			048-002-00-0	215-146-2								
22		chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD	
			024-001-00-0	215-607-8								
23		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18 mg/kg	1.462	23.281 mg/kg	0.00233 %	✓		
				215-160-9								
24		copper { dicopper oxide; copper (I) oxide }				84 mg/kg	1.126	83.694 mg/kg	0.00837 %	✓		
			029-002-00-X	215-270-7								
25		lead { lead chromate }			1	140 mg/kg	1.56	193.251 mg/kg	0.0124 %	✓		
			082-004-00-2	231-846-0								
26		mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
			080-010-00-X	231-299-8								
27		nickel { nickel chromate }				16 mg/kg	2.976	42.142 mg/kg	0.00421 %	✓		
			028-035-00-7	238-766-5								
28		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									
29		zinc { zinc chromate }				110 mg/kg	2.774	270.05 mg/kg	0.027 %	✓		
			024-007-00-3	236-878-9								
30		TPH (C6 to C40) petroleum group				200 mg/kg		176.991 mg/kg	0.0177 %	✓		
				TPH								
Total:									0.077 %			

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
ND	Not detected
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 HP3(i) - Flammable relates to liquids. However, this assessment was undertaken on solid soil samples and therefore this hazardous property does not apply at the concentrations within the data and the threshold can be raised to 1,000mg/kg.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0177%)

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.

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

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

• 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

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

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

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

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

Appendix B: Rationale for selection of metal species

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

Worst Case

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

cadmium {cadmium oxide}

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

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

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments

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

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

copper {dicopper oxide; copper (I) oxide}

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

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight

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

Harmonised group entry used as most reasonable case. Pigment cadmium sulposelenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil.

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2022.168.5189.9766 (18 Jun 2022)

HazWasteOnline Database: 2022.168.5189.9766 (18 Jun 2022)

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