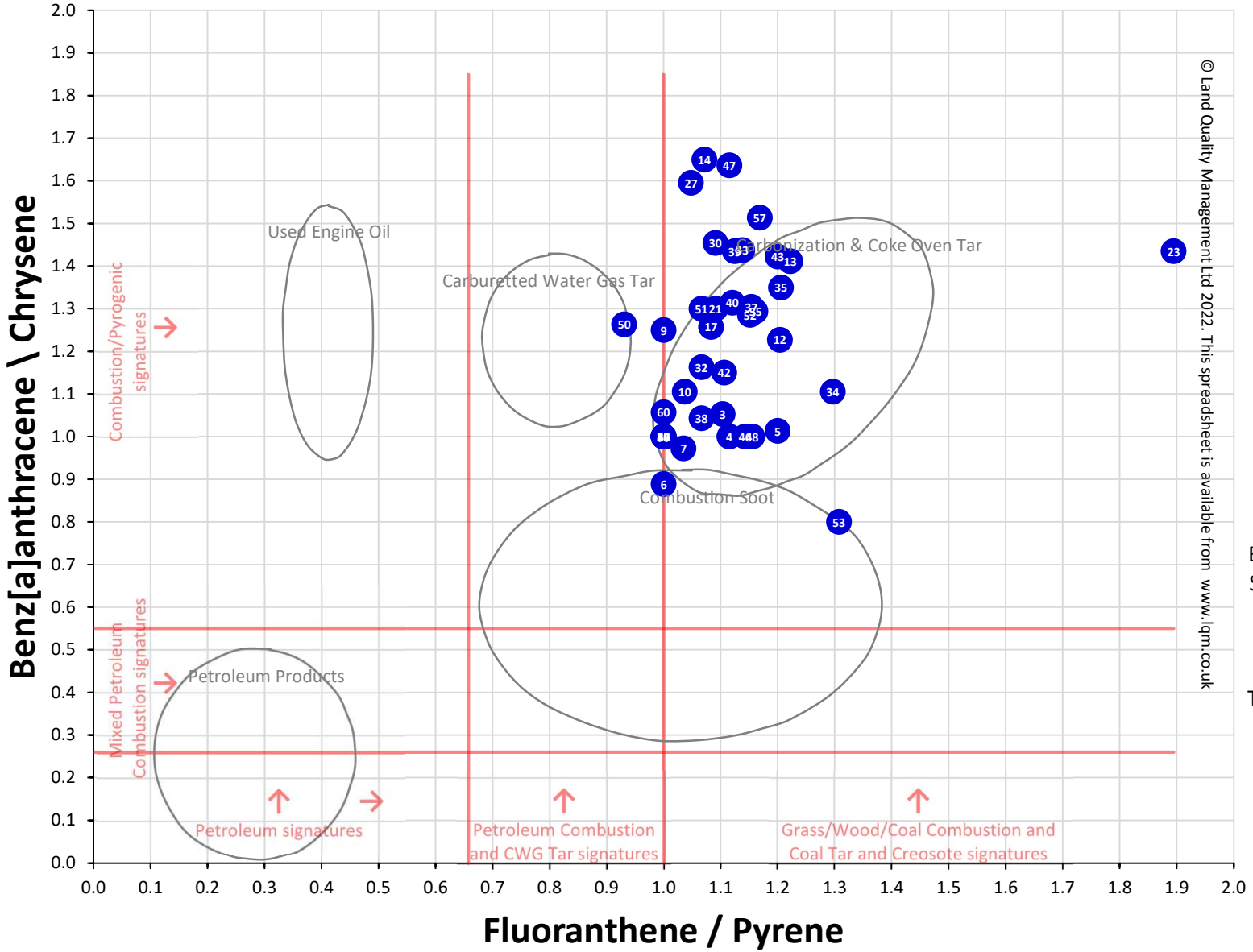
Appendix G LQM PAH Double Ratio Tool



© Land Quality Management Ltd 2022. This spreadsheet is available from www.lqm.co.uk

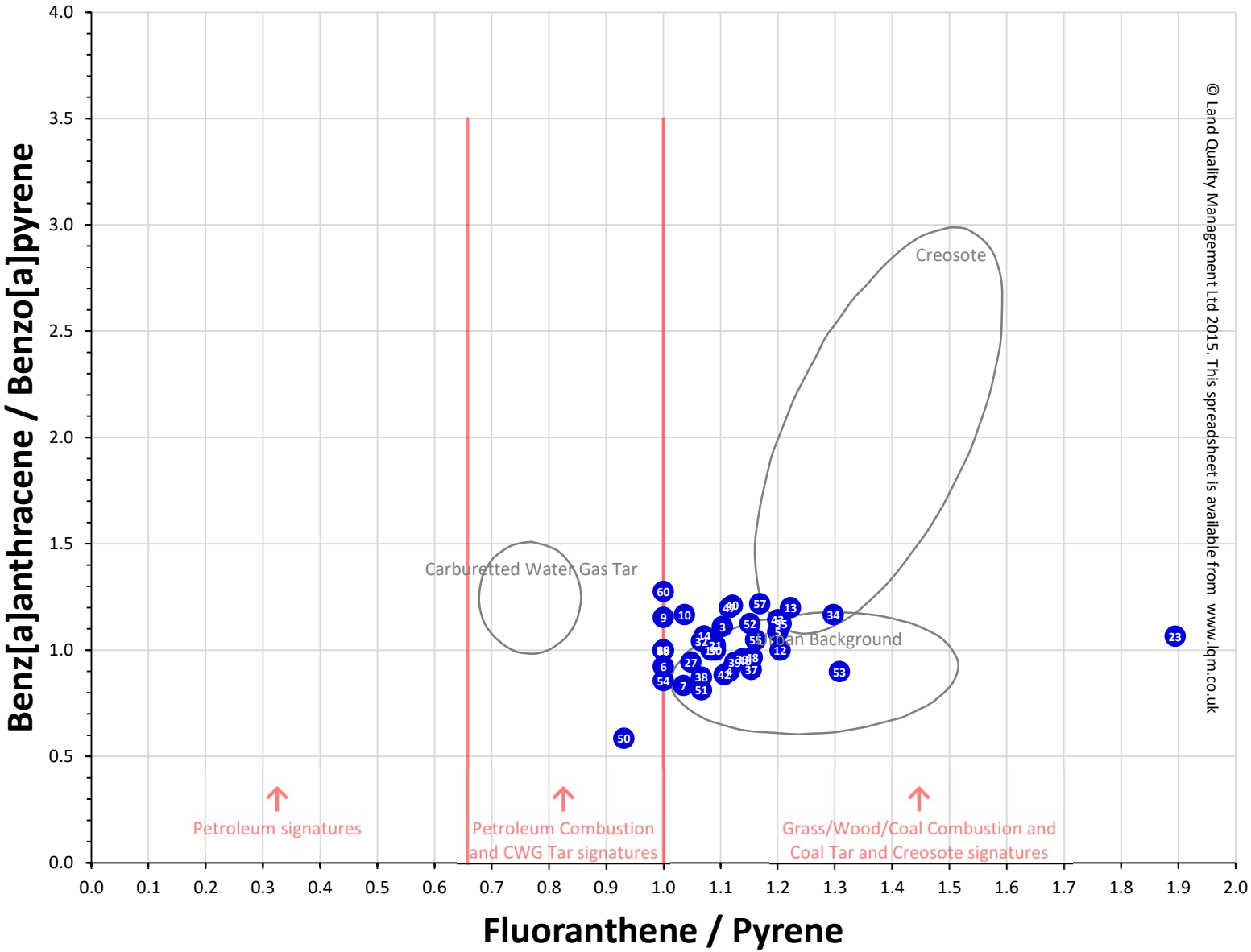
Key:

● Samples collected on site

Based on Figure 6 in Costa & Sauer (2005) with additional details based on a conference presentation by Costa (2005) in San Diego. The potential sources shown are indicative only.

Stantec

Licensed Office: Reading



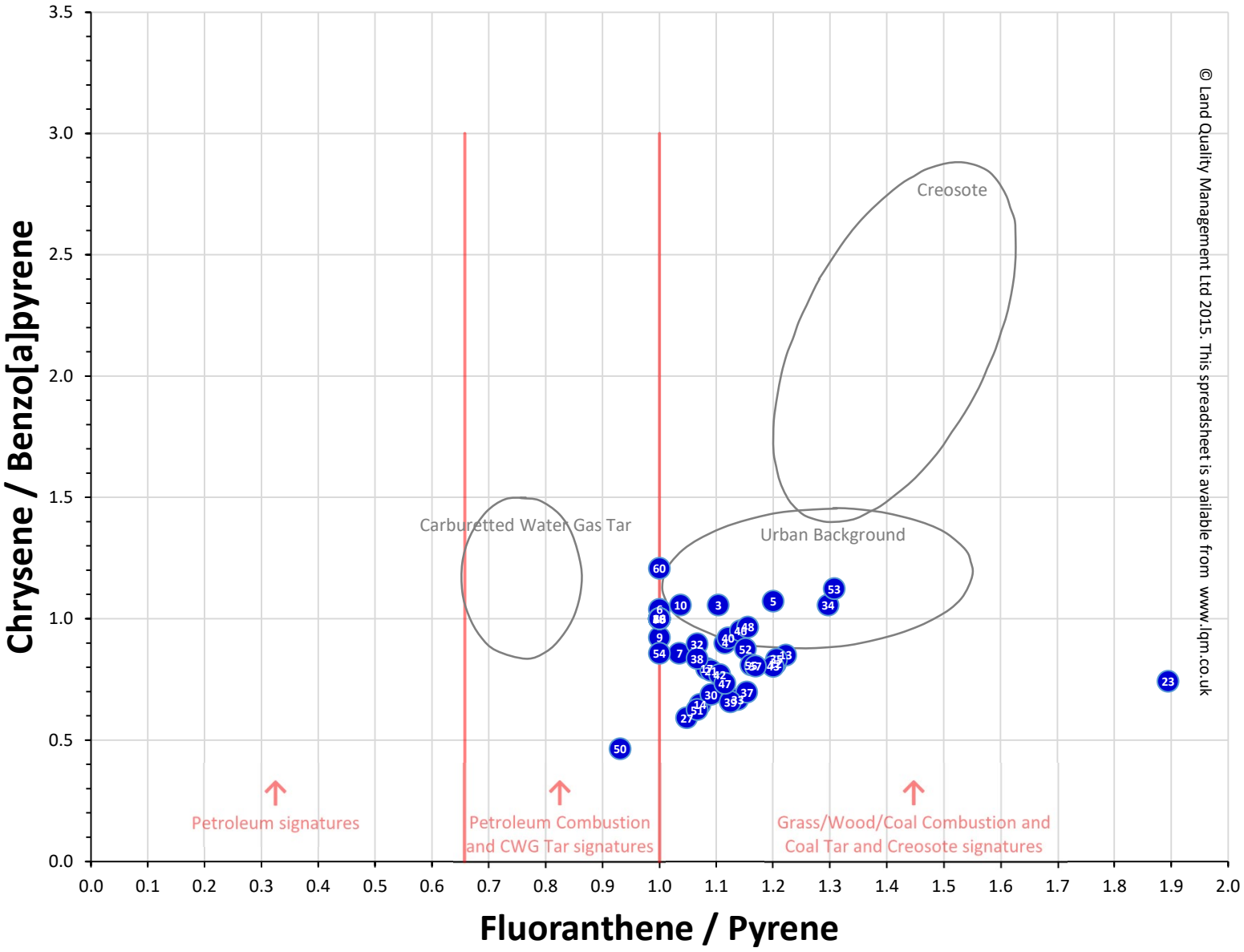
Key:

● Samples collected on site

Based on Figure 7 in Costa & Sauer (2005). The potential sources shown are indicative only.

Stantec

Licensed Office: Reading



© Land Quality Management Ltd 2015. This spreadsheet is available from www.lqm.co.uk

Key:

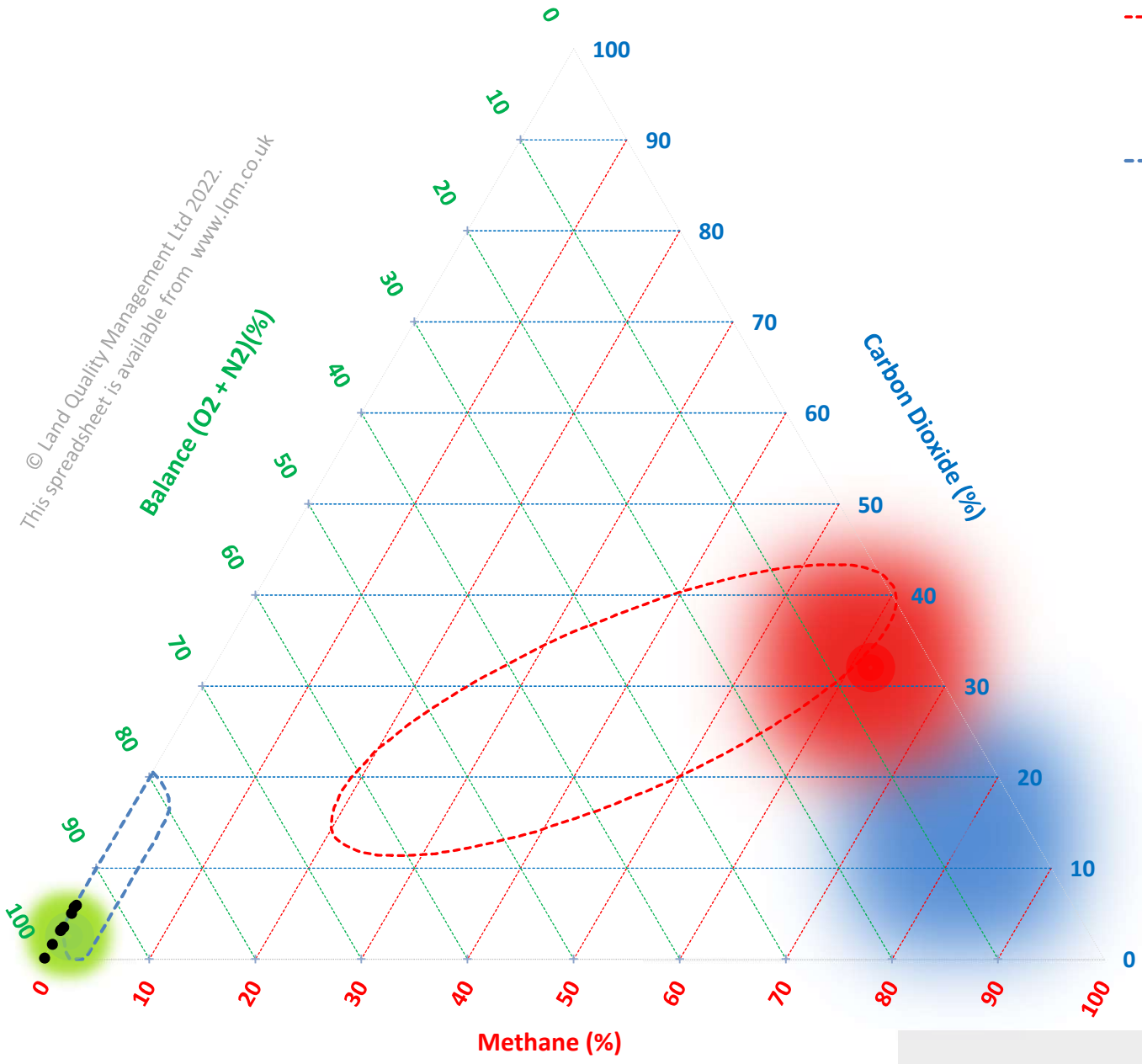
● Samples collected on site

Based on Figure 8 in Costa & Sauer (2005). The potential sources shown are indicative only.

Stantec

Licensed Office: Reading

Appendix H LQM Ternary Gas Composition Tool



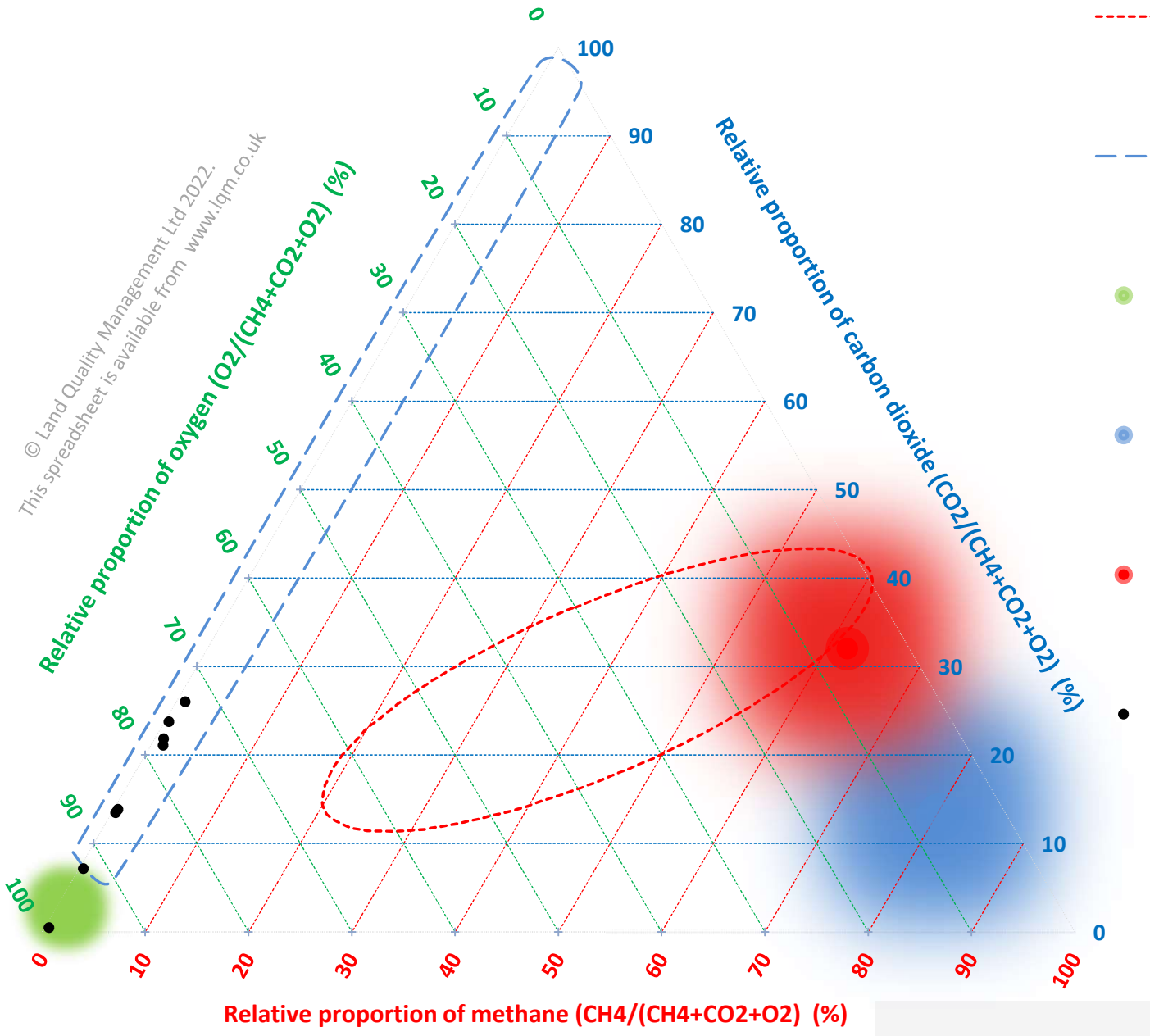
© Land Quality Management Ltd 2022.
This spreadsheet is available from www.lqm.co.uk

- Illustrative of landfill gas migration based on a source gas of 60%:40% CH4:CO2 & assuming no chemical changes or oxidation of CH4 (below 20% CH4 and 13% CO2 migration relationship becomes unclear)
- Indicative of microbial respiration of organic materials in soil (Zero methane and low flow)
- Indicative of ambient air (80% N2, 20% O2) with zero methane and carbon dioxide
- Indicative of geogenic gas
- Indicative of landfill gas
- Gas data

Stantec

Licensed Office: Reading

#VALUE!



© Land Quality Management Ltd 2022.
This spreadsheet is available from www.lqm.co.uk

Illustrative of landfill gas migration based on a source gas of 60%:40% CH4:CO2 & assuming no chemical changes or oxidation of CH4 (below 20% CH4 and 13% CO2 migration relationship becomes unclear)

Indicative of air / CO2 mixing

Indicative of ambient air (80% N2, 20% O2) with zero methane and carbon dioxide

Indicative of geogenic gas

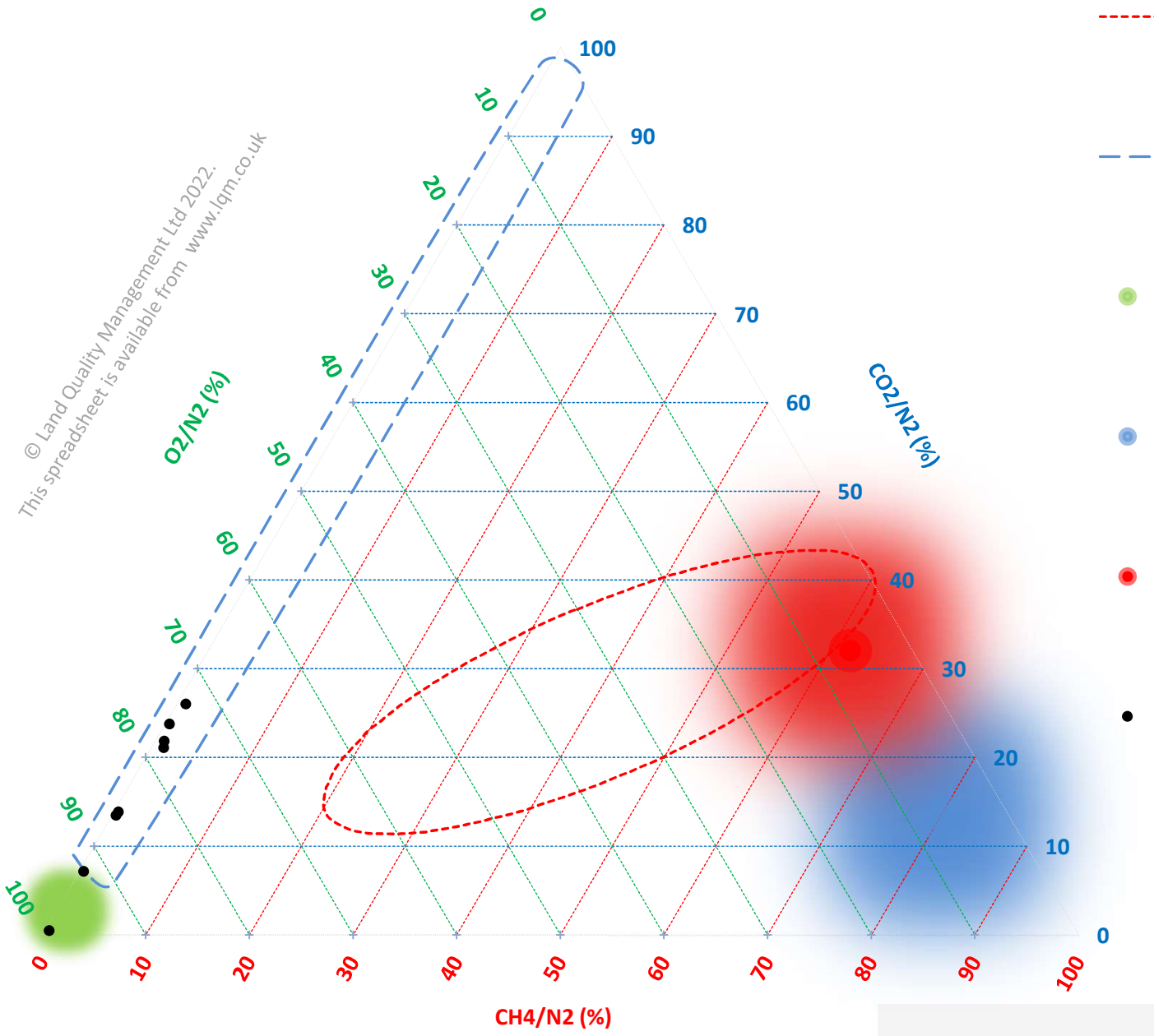
Indicative of landfill gas

Gas data

Stantec

Licensed Office: Reading

#VALUE!



© Land Quality Management Ltd 2022.
This spreadsheet is available from www.lqm.co.uk

Illustrative of landfill gas migration based on a source gas of 60%:40% CH4:CO2 & assuming no chemical changes or oxidation of CH4 (below 20% CH4 and 13% CO2 migration relationship becomes unclear)

Indicative of air / CO2 mixing

Indicative of ambient air (80% N2, 20% O2) with zero methane and carbon dioxide

Indicative of geogenic gas

Indicative of landfill gas

Gas data

Stantec

Licensed Office: Reading

#VALUE!

Appendix I HazWasteOnline Report

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.

X5HBU-GUPHB-VB8QE

Job name

Oxpens River Bridge - Alluvium

Description/Comments

Project

330610555

Site

Oxpens River Bridge, Oxford

Classified by

Name:
James Hallier
Date:
26 Aug 2022 09:19 GMT
Telephone:
01223802984

Company:
Stantec UK Ltd
3rd Floor, 50-60 Station Road,
Cambridge,
CB1 2JH

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	04 Feb 2021

Next 3 year Refresher due by Feb 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH109	0.40	Non Hazardous		2
2	BH107	None Supplied	Non Hazardous		4
3	BH108	0.30	Non Hazardous		6

Related documents

#	Name	Description
1	Soils Stream	waste stream template used to create this Job

Report

Created by: James Hallier

Created date: 26 Aug 2022 09:19 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	9
Appendix B: Rationale for selection of metal species	10
Appendix C: Version	10

Classification of sample: BH109

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

Sample details

Sample name:
BH109
Sample Depth:
0.40 m
Moisture content:
42%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 42% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				35	mg/kg	1.895	66.308	mg/kg	0.00663 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		53	mg/kg	1.462	77.462	mg/kg	0.00775 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		21	mg/kg	3.929	82.51	mg/kg	0.00825 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	41	mg/kg	1.56	63.952	mg/kg	0.0041 %		
7		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**
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		34	mg/kg	5.324	181.026	mg/kg	0.0181 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		110	mg/kg	2.774	305.156	mg/kg	0.0305 %		
11		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		pH			PH		7.9	pH		7.9	pH	7.9 pH		
13		TPH (C6 to C40) petroleum group			TPH		<20	mg/kg		<20	mg/kg	<0.002 %		**<LOD**
14		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
17		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
20	•	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-917-1	208-96-8									
21	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
22	•	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-695-5	86-73-7									
23	•	phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-581-5	85-01-8									
24	•	anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			204-371-1	120-12-7									
25	•	fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-912-4	206-44-0									
26	•	pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-032-00-3	200-028-5	50-32-8									
32	•	indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3									
34	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-883-8	191-24-2									
										Total:	0.0788 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH107

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

Sample details

Sample name:
BH107
Sample Depth:
None Supplied m
Moisture content:
36%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 36% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				24	mg/kg	1.895	45.469	mg/kg	0.00455 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		31	mg/kg	1.462	45.308	mg/kg	0.00453 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		47	mg/kg	3.929	184.665	mg/kg	0.0185 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	210	mg/kg	1.56	327.561	mg/kg	0.021 %		
7		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**
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		33	mg/kg	5.324	175.702	mg/kg	0.0176 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		7	mg/kg	2.554	17.877	mg/kg	0.00179 %		
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		97	mg/kg	2.774	269.092	mg/kg	0.0269 %		
11		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		pH			PH		7.8	pH		7.8	pH	7.8 pH		
13		TPH (C6 to C40) petroleum group			TPH		<20	mg/kg		<20	mg/kg	<0.002 %		**<LOD**
14		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		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
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
17		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
18		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
19		naphthalene	601-052-00-2	202-049-5	91-20-3		0.23	mg/kg		0.23	mg/kg	0.000023 %		
20	•	acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
21	•	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
22	•	fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
23	•	phenanthrene		201-581-5	85-01-8		0.28	mg/kg		0.28	mg/kg	0.000028 %		
24	•	anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
25	•	fluoranthene		205-912-4	206-44-0		0.32	mg/kg		0.32	mg/kg	0.000032 %		
26	•	pyrene		204-927-3	129-00-0		0.27	mg/kg		0.27	mg/kg	0.000027 %		
27		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.21	mg/kg		0.21	mg/kg	0.000021 %		
28		chrysene	601-048-00-0	205-923-4	218-01-9		0.18	mg/kg		0.18	mg/kg	0.000018 %		
29		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
30		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
31		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
32	•	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
33		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**
34	•	benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
											Total:	0.0981 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH108

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

Sample details

Sample name:
BH108
Sample Depth:
0.30 m
Moisture content:
43%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 43% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				23	mg/kg	1.895	43.574	mg/kg	0.00436 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		56	mg/kg	1.462	81.847	mg/kg	0.00818 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		49	mg/kg	3.929	192.524	mg/kg	0.0193 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	200	mg/kg	1.56	311.963	mg/kg	0.02 %		
7		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**
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		35	mg/kg	5.324	186.351	mg/kg	0.0186 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		160	mg/kg	2.774	443.863	mg/kg	0.0444 %		
11		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		pH			PH		7.9	pH		7.9	pH	7.9 pH		
13		TPH (C6 to C40) petroleum group			TPH		81	mg/kg		81	mg/kg	0.0081 %		
14		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
17		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
20	•	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-917-1	208-96-8									
21	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
22	•	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-695-5	86-73-7									
23	•	phenanthrene				4.5	mg/kg		4.5	mg/kg	0.00045 %		
			201-581-5	85-01-8									
24	•	anthracene				0.98	mg/kg		0.98	mg/kg	0.000098 %		
			204-371-1	120-12-7									
25	•	fluoranthene				11	mg/kg		11	mg/kg	0.0011 %		
			205-912-4	206-44-0									
26	•	pyrene				9.5	mg/kg		9.5	mg/kg	0.00095 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				6.6	mg/kg		6.6	mg/kg	0.00066 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				4.6	mg/kg		4.6	mg/kg	0.00046 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				7.3	mg/kg		7.3	mg/kg	0.00073 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				6.2	mg/kg		6.2	mg/kg	0.00062 %		
		601-032-00-3	200-028-5	50-32-8									
32	•	indeno[123-cd]pyrene				3.6	mg/kg		3.6	mg/kg	0.00036 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				1	mg/kg		1	mg/kg	0.0001 %		
		601-041-00-2	200-181-8	53-70-3									
34	•	benzo[ghi]perylene				4.2	mg/kg		4.2	mg/kg	0.00042 %		
			205-883-8	191-24-2									
										Total:	0.13 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0081%)

Appendix A: Classifier defined and non GB MCL determinands

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

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

- **pH** (CAS Number: PH)

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

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

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

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

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

- **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

Appendix B: Rationale for selection of metal species

arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}

Worst case CLP species

cadmium {cadmium sulfate}

Worst case CLP species

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

Worst case CLP species

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

Worst case CLP species

copper {copper sulphate pentahydrate}

Worst case CLP species

lead {lead chromate}

Worst case CLP species

mercury {mercury dichloride}

Most reasonable worst case CLP species, with worst case species (Mercury Difluminate) discounted on account of no recorded blasting or munitions storage on-site

nickel {nickel diiodide}

Worst case species

selenium {nickel selenate}

Worst case CLP species

zinc {zinc chromate}

Worst case CLP species

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.234.5304.9918 (22 Aug 2022)
HazWasteOnline Database: 2022.234.5304.9918 (22 Aug 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

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.

IATNC-9H4HZ-K7ZQY

Job name

Oxpens River Bridge - Made Ground (Northern Part)

Description/Comments

Project

330610555

Site

Oxpens River Bridge, Oxford

Classified by

Name:
James Hallier
Date:
26 Aug 2022 09:21 GMT
Telephone:
01223802984

Company:
Stantec UK Ltd
3rd Floor, 50-60 Station Road,
Cambridge,
CB1 2JH

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	04 Feb 2021

Next 3 year Refresher due by Feb 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS110	0.30	Non Hazardous		2
2	WS112	0.30	Non Hazardous		5
3	WS113	0.30	Non Hazardous		7
4	BH106	0.30	Non Hazardous		9
5	BH110	1.30	Non Hazardous		11

Related documents

#	Name	Description
1	Soils Stream	waste stream template used to create this Job

Report

Created by: James Hallier

Created date: 26 Aug 2022 09:21 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	14
Appendix B: Rationale for selection of metal species	15
Appendix C: Version	16

Classification of sample: WS110

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

Sample details

Sample name:
WS110
Sample Depth:
0.30 m
Moisture content:
35%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 35% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				41	mg/kg	1.895	77.675	mg/kg	0.00777 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		<LOD
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<LOD
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		57	mg/kg	3.929	223.956	mg/kg	0.0224 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	25	mg/kg		25	mg/kg	0.0025 %		
6		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
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		44	mg/kg	5.324	234.269	mg/kg	0.0234 %		
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 %		<LOD
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		170	mg/kg	4.398	747.647	mg/kg	0.0748 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
11		pH			PH		7.9	pH		7.9	pH	7.9 pH		
12		TPH (C6 to C40) petroleum group			TPH		950	mg/kg		950	mg/kg	0.095 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4							
18		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3							
19	•	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			205-917-1	208-96-8							
20	•	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9							
21	•	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			201-695-5	86-73-7							
22	•	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			201-581-5	85-01-8							
23	•	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			204-371-1	120-12-7							
24	•	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			205-912-4	206-44-0							
25	•	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			204-927-3	129-00-0							
26		benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
		601-033-00-9	200-280-6	56-55-3							
27		chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
		601-048-00-0	205-923-4	218-01-9							
28		benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
		601-034-00-4	205-911-9	205-99-2							
29		benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
		601-036-00-5	205-916-6	207-08-9							
30		benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
		601-032-00-3	200-028-5	50-32-8							
31	•	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			205-893-2	193-39-5							
32		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3							
33	•	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			205-883-8	191-24-2							
								Total:	0.227 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.095%)

Classification of sample: WS112

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

Sample details

Sample name:
WS112
Sample Depth:
0.30 m
Moisture content:
26%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 26% No Moisture Correction applied (MC)

#		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		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
2		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
3		toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
4		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
5		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
6		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
7		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
8		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
9		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
10		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
11		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
12		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
13		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
									Total:	1.4e-06 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS113

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

Sample details

Sample name:
WS113
Sample Depth:
0.30 m
Moisture content:
6.6%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 6.6% No Moisture Correction applied (MC)

#		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		benzene	601-020-00-8	200-753-7	71-43-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
2		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
3		toluene	601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
4		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
5		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
6		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
7		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
8		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
9		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
10		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
11		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
12		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
13		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
									Total:	1.4e-06 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: BH106

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

Sample details

Sample name:
BH106
Sample Depth:
0.30 m
Moisture content:
13%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				30	mg/kg	1.895	56.836	mg/kg	0.00568 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		60	mg/kg	3.929	235.743	mg/kg	0.0236 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	240	mg/kg		240	mg/kg	0.024 %		
6		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.2	mg/kg	1.353	1.624	mg/kg	0.000162 %		
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		31	mg/kg	5.324	165.053	mg/kg	0.0165 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		160	mg/kg	4.398	703.668	mg/kg	0.0704 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		7.9	pH		7.9	pH	7.9 pH		
12		TPH (C6 to C40) petroleum group			TPH		<20	mg/kg		<20	mg/kg	<0.002 %		**<LOD**
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		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
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
18		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
19	•	acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
20	•	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
21	•	fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
22	•	phenanthrene		201-581-5	85-01-8		0.34	mg/kg		0.34	mg/kg	0.000034 %		
23	•	anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
24	•	fluoranthene		205-912-4	206-44-0		1.3	mg/kg		1.3	mg/kg	0.00013 %		
25	•	pyrene		204-927-3	129-00-0		1.2	mg/kg		1.2	mg/kg	0.00012 %		
26		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.83	mg/kg		0.83	mg/kg	0.000083 %		
27		chrysene	601-048-00-0	205-923-4	218-01-9		0.66	mg/kg		0.66	mg/kg	0.000066 %		
28		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.89	mg/kg		0.89	mg/kg	0.000089 %		
29		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.43	mg/kg		0.43	mg/kg	0.000043 %		
30		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.83	mg/kg		0.83	mg/kg	0.000083 %		
31	•	indeno[123-cd]pyrene		205-893-2	193-39-5		0.5	mg/kg		0.5	mg/kg	0.00005 %		
32		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**
33	•	benzo[ghi]perylene		205-883-8	191-24-2		0.61	mg/kg		0.61	mg/kg	0.000061 %		
34		asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<10	mg/kg		<10	mg/kg	<0.001 %		**<LOD**
											Total:	0.145 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH110

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

Sample details

Sample name:
BH110
Sample Depth:
1.30 m
Moisture content:
14%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				24	mg/kg	1.895	45.469	mg/kg	0.00455 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		72	mg/kg	3.929	282.892	mg/kg	0.0283 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	260	mg/kg		260	mg/kg	0.026 %		
6		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		3.1	mg/kg	1.353	4.196	mg/kg	0.00042 %		
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		21	mg/kg	5.324	111.81	mg/kg	0.0112 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120	mg/kg	4.398	527.751	mg/kg	0.0528 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		8	pH		8	pH	8pH		
12		TPH (C6 to C40) petroleum group			TPH		92	mg/kg		92	mg/kg	0.0092 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		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
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
18		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
19	•	acenaphthylene		205-917-1	208-96-8		0.7 mg/kg		0.7 mg/kg	0.00007 %		
20	•	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
21	•	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
22	•	phenanthrene		201-581-5	85-01-8		2.9 mg/kg		2.9 mg/kg	0.00029 %		
23	•	anthracene		204-371-1	120-12-7		0.85 mg/kg		0.85 mg/kg	0.000085 %		
24	•	fluoranthene		205-912-4	206-44-0		8.7 mg/kg		8.7 mg/kg	0.00087 %		
25	•	pyrene		204-927-3	129-00-0		8.3 mg/kg		8.3 mg/kg	0.00083 %		
26		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		6.7 mg/kg		6.7 mg/kg	0.00067 %		
27		chrysene	601-048-00-0	205-923-4	218-01-9		4.2 mg/kg		4.2 mg/kg	0.00042 %		
28		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		6.8 mg/kg		6.8 mg/kg	0.00068 %		
29		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.7 mg/kg		3.7 mg/kg	0.00037 %		
30		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		7.1 mg/kg		7.1 mg/kg	0.00071 %		
31	•	indeno[123-cd]pyrene		205-893-2	193-39-5		4.4 mg/kg		4.4 mg/kg	0.00044 %		
32		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.3 mg/kg		1.3 mg/kg	0.00013 %		
33	•	benzo[ghi]perylene		205-883-8	191-24-2		5.4 mg/kg		5.4 mg/kg	0.00054 %		
									Total:	0.14 %		

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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0092%)

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

pH (CAS Number: PH)

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

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

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

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

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

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

- **1,1,1,2-tetrachloroethane** (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

Appendix B: Rationale for selection of metal species

arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}

Worst case CLP species

cadmium {cadmium sulfate}

Worst case CLP species

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

Worst case CLP species

copper {copper sulphate pentahydrate}

Worst case CLP species

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

Most reasonable worst case species, with an insufficient concentration of Chromium (VI) recorded to utilise the most-worst case species (Lead Chromate)

mercury {mercury dichloride}

Most reasonable worst case CLP species, with worst case species (Mercury Difluminate) discounted on account of no recorded blasting or munitions storage on-site

nickel {nickel diiodide}

Worst case species

selenium {nickel selenate}

Worst case CLP species

zinc {zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2]}

Most reasonable worst case species, with an insufficient concentration of Chromium (VI) recorded to utilise the most-worst case species (Zinc Chromate)

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.234.5304.9918 (22 Aug 2022)
HazWasteOnline Database: 2022.234.5304.9918 (22 Aug 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

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.

OR70C-JTF07-KXT1O

Job name

Oxpens River Bridge - Made Ground (Southern Part)

Description/Comments

Project

330610555

Site

Oxpens River Bridge, Oxford

Classified by

Name:
James Hallier
Date:
26 Aug 2022 09:19 GMT
Telephone:
01223802984

Company:
Stantec UK Ltd
3rd Floor, 50-60 Station Road,
Cambridge,
CB1 2JH

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	04 Feb 2021

Next 3 year Refresher due by Feb 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS101A	1.30	Non Hazardous		3
2	BH105	0.30	Non Hazardous		6
3	BH105[2]	2.00	Non Hazardous		9
4	WS104	0.30	Non Hazardous		12
5	WS104[2]	1.60	Hazardous	HP 14	15
6	WS102	0.30	Non Hazardous		18
7	WS105A	0.30	Hazardous	HP 7	21
8	WS105A[2]	3.20	Non Hazardous		24
9	WS109	0.30	Non Hazardous		27
10	TT102	1.00	Non Hazardous		30
11	WS106 ES2	0.30	Hazardous	HP 7, HP 14	33
12	TT101 ES2	0.30	Non Hazardous		36
13	TT101 ES3	1.30	Non Hazardous		39
14	WS107A	0.30	Non Hazardous		42
15	WS107A[2]	1.30	Non Hazardous		45
16	WS108	0.30	Non Hazardous		48
17	BH103	5.00	Hazardous	HP 7	51
18	BH104	0.30	Non Hazardous		54
19	BH104[2]	2.10	Non Hazardous		57

Related documents

#	Name	Description
1	Classification Report-Osney Path Works - Made Ground.pdf	Classification for Job: Osney Path Works - Made Ground
2	Soils Stream	waste stream template used to create this Job

Report

Created by: James Hallier

Created date: 26 Aug 2022 09:19 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	60
Appendix B: Rationale for selection of metal species	61
Appendix C: Version	62

Classification of sample: WS101A

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

Sample details

Sample name:
WS101A
Sample Depth:
1.30 m
Moisture content:
19%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				19	mg/kg	1.895	35.996	mg/kg	0.0036 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		37	mg/kg	3.929	145.375	mg/kg	0.0145 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	57	mg/kg		57	mg/kg	0.0057 %		
6		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**
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		30	mg/kg	5.324	159.729	mg/kg	0.016 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		74	mg/kg	4.398	325.447	mg/kg	0.0325 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		8.2	pH		8.2	pH	8.2 pH		
12		TPH (C6 to C40) petroleum group			TPH		23	mg/kg		23	mg/kg	0.0023 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		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
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
18		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
19	•	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
20	•	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
21	•	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
22	•	phenanthrene		201-581-5	85-01-8		0.6 mg/kg		0.6 mg/kg	0.00006 %		
23	•	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
24	•	fluoranthene		205-912-4	206-44-0		1.6 mg/kg		1.6 mg/kg	0.00016 %		
25	•	pyrene		204-927-3	129-00-0		1.5 mg/kg		1.5 mg/kg	0.00015 %		
26		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.96 mg/kg		0.96 mg/kg	0.000096 %		
27		chrysene	601-048-00-0	205-923-4	218-01-9		0.92 mg/kg		0.92 mg/kg	0.000092 %		
28		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.1 mg/kg		1.1 mg/kg	0.00011 %		
29		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.6 mg/kg		0.6 mg/kg	0.00006 %		
30		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		1.1 mg/kg		1.1 mg/kg	0.00011 %		
31	•	indeno[123-cd]pyrene		205-893-2	193-39-5		0.66 mg/kg		0.66 mg/kg	0.000066 %		
32		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**
33	•	benzo[ghi]perylene		205-883-8	191-24-2		0.8 mg/kg		0.8 mg/kg	0.00008 %		
									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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0023%)

Classification of sample: BH105

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

Sample details

Sample name:
BH105
Sample Depth:
0.30 m
Moisture content:
13%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				25	mg/kg	1.895	47.363	mg/kg	0.00474 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.5	mg/kg	1.855	2.782	mg/kg	0.000278 %		
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		89	mg/kg	1.462	130.078	mg/kg	0.013 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		100	mg/kg	3.929	392.905	mg/kg	0.0393 %		
6		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	250	mg/kg		250	mg/kg	0.025 %		
7		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.5	mg/kg	1.353	2.03	mg/kg	0.000203 %		
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		45	mg/kg	5.324	239.594	mg/kg	0.024 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		290	mg/kg	4.398	1275.399	mg/kg	0.128 %		
11		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				2	mg/kg	1.884	3.768	mg/kg	0.000377 %		
12		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
13		pH			PH		9.2	pH		9.2	pH	9.2 pH		

#		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									
14	●	TPH (C6 to C40) petroleum group				160	mg/kg		160	mg/kg	0.016 %		
				TPH									
15		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
16	●	ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
20		naphthalene				0.34	mg/kg		0.34	mg/kg	0.000034 %		
		601-052-00-2	202-049-5	91-20-3									
21	●	acenaphthylene				0.91	mg/kg		0.91	mg/kg	0.000091 %		
			205-917-1	208-96-8									
22	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
23	●	fluorene				0.41	mg/kg		0.41	mg/kg	0.000041 %		
			201-695-5	86-73-7									
24	●	phenanthrene				9.5	mg/kg		9.5	mg/kg	0.00095 %		
			201-581-5	85-01-8									
25	●	anthracene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
			204-371-1	120-12-7									
26	●	fluoranthene				22	mg/kg		22	mg/kg	0.0022 %		
			205-912-4	206-44-0									
27	●	pyrene				18	mg/kg		18	mg/kg	0.0018 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				12	mg/kg		12	mg/kg	0.0012 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				8.5	mg/kg		8.5	mg/kg	0.00085 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				11	mg/kg		11	mg/kg	0.0011 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				4.6	mg/kg		4.6	mg/kg	0.00046 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				10	mg/kg		10	mg/kg	0.001 %		
		601-032-00-3	200-028-5	50-32-8									
33	●	indeno[123-cd]pyrene				6.3	mg/kg		6.3	mg/kg	0.00063 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
		601-041-00-2	200-181-8	53-70-3									
35	●	benzo[ghi]perylene				6.8	mg/kg		6.8	mg/kg	0.00068 %		
			205-883-8	191-24-2									
36		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-012-00-7	203-458-1	107-06-2									
37		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-013-00-2	200-756-3	71-55-6									
38	●	1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
			211-135-1	630-20-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-015-00-3	201-197-8	79-34-5									
40		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-027-00-9	201-167-4	79-01-6									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-006-00-4	200-663-8	67-66-3							
43		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-023-00-7	200-831-0	75-01-4							
								Total:	0.263 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.016%)

Classification of sample: BH105[2]

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

Sample details

Sample name:
BH105[2]
Sample Depth:
2.00 m
Moisture content:
11%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 11% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				38	mg/kg	1.895	71.992	mg/kg	0.0072 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26	mg/kg	1.462	38	mg/kg	0.0038 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		110	mg/kg	3.929	432.196	mg/kg	0.0432 %		
6		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	60	mg/kg		60	mg/kg	0.006 %		
7		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 %		
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		52	mg/kg	5.324	276.864	mg/kg	0.0277 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		61	mg/kg	4.398	268.273	mg/kg	0.0268 %		
11		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				5.5	mg/kg	1.884	10.362	mg/kg	0.00104 %		
12		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
13		pH			PH		7.6	pH		7.6	pH	7.6 pH		

#		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									
14		TPH (C6 to C40) petroleum group				240	mg/kg		240	mg/kg	0.024 %		
				TPH									
15		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
20		naphthalene				0.73	mg/kg		0.73	mg/kg	0.000073 %		
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				0.47	mg/kg		0.47	mg/kg	0.000047 %		
			205-917-1	208-96-8									
22		acenaphthene				0.77	mg/kg		0.77	mg/kg	0.000077 %		
			201-469-6	83-32-9									
23		fluorene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			201-695-5	86-73-7									
24		phenanthrene				10	mg/kg		10	mg/kg	0.001 %		
			201-581-5	85-01-8									
25		anthracene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			204-371-1	120-12-7									
26		fluoranthene				15	mg/kg		15	mg/kg	0.0015 %		
			205-912-4	206-44-0									
27		pyrene				14	mg/kg		14	mg/kg	0.0014 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				16	mg/kg		16	mg/kg	0.0016 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				9.7	mg/kg		9.7	mg/kg	0.00097 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				12	mg/kg		12	mg/kg	0.0012 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				7.7	mg/kg		7.7	mg/kg	0.00077 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				15	mg/kg		15	mg/kg	0.0015 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				7.4	mg/kg		7.4	mg/kg	0.00074 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				8.3	mg/kg		8.3	mg/kg	0.00083 %		
			205-883-8	191-24-2									
36		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-012-00-7	203-458-1	107-06-2									
37		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-013-00-2	200-756-3	71-55-6									
38		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
			211-135-1	630-20-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-015-00-3	201-197-8	79-34-5									
40		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-027-00-9	201-167-4	79-01-6									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-006-00-4	200-663-8	67-66-3							
43		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-023-00-7	200-831-0	75-01-4							
								Total:	0.154 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.024%)

Classification of sample: WS104

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

Sample details

Sample name:
WS104
Sample Depth:
0.30 m
Moisture content:
9.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 9.7% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				21	mg/kg	1.895	39.785	mg/kg	0.00398 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		<LOD
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<LOD
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		34	mg/kg	3.929	133.588	mg/kg	0.0134 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	220	mg/kg		220	mg/kg	0.022 %		
6		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
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		18	mg/kg	5.324	95.837	mg/kg	0.00958 %		
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 %		<LOD
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		140	mg/kg	4.398	615.71	mg/kg	0.0616 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
11		pH			PH		8.9	pH		8.9	pH	8.9 pH		
12		TPH (C6 to C40) petroleum group			TPH		85	mg/kg		85	mg/kg	0.0085 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
18		naphthalene				0.24	mg/kg		0.24	mg/kg	0.000024 %		
		601-052-00-2	202-049-5	91-20-3									
19	•	acenaphthylene				0.77	mg/kg		0.77	mg/kg	0.000077 %		
			205-917-1	208-96-8									
20	•	acenaphthene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			201-469-6	83-32-9									
21	•	fluorene				0.7	mg/kg		0.7	mg/kg	0.00007 %		
			201-695-5	86-73-7									
22	•	phenanthrene				7.7	mg/kg		7.7	mg/kg	0.00077 %		
			201-581-5	85-01-8									
23	•	anthracene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
			204-371-1	120-12-7									
24	•	fluoranthene				12	mg/kg		12	mg/kg	0.0012 %		
			205-912-4	206-44-0									
25	•	pyrene				10	mg/kg		10	mg/kg	0.001 %		
			204-927-3	129-00-0									
26		benzo[a]anthracene				6.4	mg/kg		6.4	mg/kg	0.00064 %		
		601-033-00-9	200-280-6	56-55-3									
27		chrysene				4.5	mg/kg		4.5	mg/kg	0.00045 %		
		601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene				4.7	mg/kg		4.7	mg/kg	0.00047 %		
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				4.3	mg/kg		4.3	mg/kg	0.00043 %		
		601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene				5.6	mg/kg		5.6	mg/kg	0.00056 %		
		601-032-00-3	200-028-5	50-32-8									
31	•	indeno[123-cd]pyrene				3	mg/kg		3	mg/kg	0.0003 %		
			205-893-2	193-39-5									
32		dibenz[a,h]anthracene				0.73	mg/kg		0.73	mg/kg	0.000073 %		
		601-041-00-2	200-181-8	53-70-3									
33	•	benzo[ghi]perylene				3.5	mg/kg		3.5	mg/kg	0.00035 %		
			205-883-8	191-24-2									
34		asbestos				<10	mg/kg		<10	mg/kg	<0.001 %		**<LOD**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
										Total:	0.128 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0085%)

Classification of sample: WS104[2]

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

Sample details

Sample name:
WS104[2]
Sample Depth:
1.60 m
Moisture content:
12%
(no correction)

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

Hazard properties

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

copper sulphate pentahydrate: (compound conc.: 0.13%)
zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2]: (compound conc.: 0.286%)

Determinands

Moisture content: 12% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				15	mg/kg	1.895	28.418	mg/kg	0.00284 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		13	mg/kg	1.855	24.109	mg/kg	0.00241 %		
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		26	mg/kg	1.462	38	mg/kg	0.0038 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		330	mg/kg	3.929	1296.587	mg/kg	0.13 %		
6		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	380	mg/kg		380	mg/kg	0.038 %		
7		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**
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		32	mg/kg	5.324	170.378	mg/kg	0.017 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		650	mg/kg	4.398	2858.652	mg/kg	0.286 %		

#		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									
11		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 }				2.4	mg/kg	1.884	4.522	mg/kg	0.000452 %		
		006-007-00-5											
12		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
13		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
14		TPH (C6 to C40) petroleum group				<20	mg/kg		<20	mg/kg	<0.002 %		<LOD
				TPH									
15		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
36		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
37		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-013-00-2	200-756-3	71-55-6									
38		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
			211-135-1	630-20-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-015-00-3	201-197-8	79-34-5									
40		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-027-00-9	201-167-4	79-01-6									
42		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-006-00-4	200-663-8	67-66-3									
43		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-023-00-7	200-831-0	75-01-4									
										Total:	0.483 %		

Key

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

Classification of sample: WS102

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

Sample details

Sample name:
WS102
Sample Depth:
0.30 m
Moisture content:
11%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 11% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				29	mg/kg	1.895	54.941	mg/kg	0.00549 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		21	mg/kg	3.929	82.51	mg/kg	0.00825 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	210	mg/kg		210	mg/kg	0.021 %		
6		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.7	mg/kg	1.353	0.947	mg/kg	0.0000947 %		
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		16	mg/kg	5.324	85.189	mg/kg	0.00852 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		140	mg/kg	4.398	615.71	mg/kg	0.0616 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		8.1	pH		8.1	pH	8.1 pH		
12		TPH (C6 to C40) petroleum group			TPH		93	mg/kg		93	mg/kg	0.0093 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
18		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
19	•	acenaphthylene				0.27	mg/kg		0.27	mg/kg	0.000027 %		
			205-917-1	208-96-8									
20	•	acenaphthene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
			201-469-6	83-32-9									
21	•	fluorene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
			201-695-5	86-73-7									
22	•	phenanthrene				3.1	mg/kg		3.1	mg/kg	0.00031 %		
			201-581-5	85-01-8									
23	•	anthracene				0.75	mg/kg		0.75	mg/kg	0.000075 %		
			204-371-1	120-12-7									
24	•	fluoranthene				5.4	mg/kg		5.4	mg/kg	0.00054 %		
			205-912-4	206-44-0									
25	•	pyrene				4.8	mg/kg		4.8	mg/kg	0.00048 %		
			204-927-3	129-00-0									
26		benzo[a]anthracene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
		601-033-00-9	200-280-6	56-55-3									
27		chrysene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				2	mg/kg		2	mg/kg	0.0002 %		
		601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene				3.5	mg/kg		3.5	mg/kg	0.00035 %		
		601-032-00-3	200-028-5	50-32-8									
31	•	indeno[123-cd]pyrene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-893-2	193-39-5									
32		dibenz[a,h]anthracene				0.46	mg/kg		0.46	mg/kg	0.000046 %		
		601-041-00-2	200-181-8	53-70-3									
33	•	benzo[ghi]perylene				2.2	mg/kg		2.2	mg/kg	0.00022 %		
			205-883-8	191-24-2									
										Total:	0.119 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0093%)

Classification of sample: WS105A

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

Sample details

Sample name:
WS105A
Sample Depth:
0.30 m
Moisture content:
15%
(no correction)

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

Hazard properties

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

Hazard Statements hit:

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

Because of determinand:

asbestos: (conc.: 0.192%)

Determinands

Moisture content: 15% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				25	mg/kg	1.895	47.363	mg/kg	0.00474 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		33	mg/kg	3.929	129.659	mg/kg	0.013 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	270	mg/kg		270	mg/kg	0.027 %		
6		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.8	mg/kg	1.353	1.083	mg/kg	0.000108 %		
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		24	mg/kg	5.324	127.783	mg/kg	0.0128 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		180	mg/kg	4.398	791.627	mg/kg	0.0792 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		7.8	pH		7.8	pH	7.8 pH		

#		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									
12	●	TPH (C6 to C40) petroleum group				200	mg/kg		200	mg/kg	0.02 %		
				TPH									
13		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
14	●	ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
15		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
18		naphthalene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-052-00-2	202-049-5	91-20-3									
19	●	acenaphthylene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			205-917-1	208-96-8									
20	●	acenaphthene				0.92	mg/kg		0.92	mg/kg	0.000092 %		
			201-469-6	83-32-9									
21	●	fluorene				2.2	mg/kg		2.2	mg/kg	0.00022 %		
			201-695-5	86-73-7									
22	●	phenanthrene				19	mg/kg		19	mg/kg	0.0019 %		
			201-581-5	85-01-8									
23	●	anthracene				5.7	mg/kg		5.7	mg/kg	0.00057 %		
			204-371-1	120-12-7									
24	●	fluoranthene				29	mg/kg		29	mg/kg	0.0029 %		
			205-912-4	206-44-0									
25	●	pyrene				26	mg/kg		26	mg/kg	0.0026 %		
			204-927-3	129-00-0									
26		benzo[a]anthracene				18	mg/kg		18	mg/kg	0.0018 %		
		601-033-00-9	200-280-6	56-55-3									
27		chrysene				11	mg/kg		11	mg/kg	0.0011 %		
		601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene				13	mg/kg		13	mg/kg	0.0013 %		
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				9	mg/kg		9	mg/kg	0.0009 %		
		601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene				15	mg/kg		15	mg/kg	0.0015 %		
		601-032-00-3	200-028-5	50-32-8									
31	●	indeno[123-cd]pyrene				7.2	mg/kg		7.2	mg/kg	0.00072 %		
			205-893-2	193-39-5									
32		dibenz[a,h]anthracene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
		601-041-00-2	200-181-8	53-70-3									
33	●	benzo[ghi]perylene				7.2	mg/kg		7.2	mg/kg	0.00072 %		
			205-883-8	191-24-2									
34		asbestos				1920	mg/kg		1920	mg/kg	0.192 %		
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
										Total:	0.367 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.02%)

Classification of sample: WS105A[2]

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

Sample details

Sample name:
WS105A[2]
Sample Depth:
3.20 m
Moisture content:
21%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				7.3	mg/kg	1.895	13.83	mg/kg	0.00138 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.6	mg/kg	1.855	1.113	mg/kg	0.000111 %		
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		7.7	mg/kg	1.462	11.254	mg/kg	0.00113 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		9.6	mg/kg	3.929	37.719	mg/kg	0.00377 %		
6		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16	mg/kg		16	mg/kg	0.0016 %		
7		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**
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		5	mg/kg	5.324	26.622	mg/kg	0.00266 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		25	mg/kg	4.398	109.948	mg/kg	0.011 %		
11		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				9.4	mg/kg	1.884	17.71	mg/kg	0.00177 %		
12		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
13		pH			PH		8	pH		8	pH	8pH		

#		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									
14		TPH (C6 to C40) petroleum group				73	mg/kg		73	mg/kg	0.0073 %		
				TPH									
15		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-695-5	86-73-7									
24		phenanthrene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
			201-581-5	85-01-8									
25		anthracene				0.38	mg/kg		0.38	mg/kg	0.000038 %		
			204-371-1	120-12-7									
26		fluoranthene				2.7	mg/kg		2.7	mg/kg	0.00027 %		
			205-912-4	206-44-0									
27		pyrene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				3.9	mg/kg		3.9	mg/kg	0.00039 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				4.1	mg/kg		4.1	mg/kg	0.00041 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				0.6	mg/kg		0.6	mg/kg	0.00006 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				4.4	mg/kg		4.4	mg/kg	0.00044 %		
			205-883-8	191-24-2									
36		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-012-00-7	203-458-1	107-06-2									
37		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-013-00-2	200-756-3	71-55-6									
38		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
			211-135-1	630-20-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-015-00-3	201-197-8	79-34-5									
40		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-027-00-9	201-167-4	79-01-6									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-006-00-4	200-663-8	67-66-3							
43		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-023-00-7	200-831-0	75-01-4							
								Total:	0.035 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0073%)

Classification of sample: WS109

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

Sample details

Sample name:
WS109
Sample Depth:
0.30 m
Moisture content:
40%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 40% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				18	mg/kg	1.895	34.101	mg/kg	0.00341 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		38	mg/kg	1.462	55.539	mg/kg	0.00555 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		37	mg/kg	3.929	145.375	mg/kg	0.0145 %		
6		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	75	mg/kg		75	mg/kg	0.0075 %		
7		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1	mg/kg	1.353	1.353	mg/kg	0.000135 %		
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		29	mg/kg	5.324	154.405	mg/kg	0.0154 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		110	mg/kg	4.398	483.772	mg/kg	0.0484 %		
11		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				6.2	mg/kg	1.884	11.681	mg/kg	0.00117 %		
12		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
13		pH			PH		7.4	pH		7.4	pH	7.4 pH		

#		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									
14		TPH (C6 to C40) petroleum group				<20	mg/kg		<20	mg/kg	<0.002 %		<LOD
				TPH									
15		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
24		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
25		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
26		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
27		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
28		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
36		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-012-00-7	203-458-1	107-06-2									
37		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
38		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
			211-135-1	630-20-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
40		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-006-00-4	200-663-8	67-66-3							
43		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-023-00-7	200-831-0	75-01-4							
44		asbestos				<10 mg/kg		<10 mg/kg	<0.001 %		**<LOD**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
								Total:	0.101 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TT102

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

Sample details

Sample name:
TT102
Sample Depth:
1.00 m
Moisture content:
15%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 15% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				24	mg/kg	1.895	45.469	mg/kg	0.00455 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		40	mg/kg	3.929	157.162	mg/kg	0.0157 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	170	mg/kg		170	mg/kg	0.017 %		
6		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.3	mg/kg	1.353	1.76	mg/kg	0.000176 %		
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		18	mg/kg	5.324	95.837	mg/kg	0.00958 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		140	mg/kg	4.398	615.71	mg/kg	0.0616 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		8.2	pH		8.2	pH	8.2 pH		
12		TPH (C6 to C40) petroleum group			TPH		71	mg/kg		71	mg/kg	0.0071 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
18		naphthalene				0.22	mg/kg		0.22	mg/kg	0.000022 %		
		601-052-00-2	202-049-5	91-20-3									
19	•	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-917-1	208-96-8									
20	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
21	•	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-695-5	86-73-7									
22	•	phenanthrene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
			201-581-5	85-01-8									
23	•	anthracene				0.49	mg/kg		0.49	mg/kg	0.000049 %		
			204-371-1	120-12-7									
24	•	fluoranthene				4.1	mg/kg		4.1	mg/kg	0.00041 %		
			205-912-4	206-44-0									
25	•	pyrene				3.4	mg/kg		3.4	mg/kg	0.00034 %		
			204-927-3	129-00-0									
26		benzo[a]anthracene				2.7	mg/kg		2.7	mg/kg	0.00027 %		
		601-033-00-9	200-280-6	56-55-3									
27		chrysene				2	mg/kg		2	mg/kg	0.0002 %		
		601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene				2.8	mg/kg		2.8	mg/kg	0.00028 %		
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
		601-032-00-3	200-028-5	50-32-8									
31	•	indeno[123-cd]pyrene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
			205-893-2	193-39-5									
32		dibenz[a,h]anthracene				0.38	mg/kg		0.38	mg/kg	0.000038 %		
		601-041-00-2	200-181-8	53-70-3									
33	•	benzo[ghi]perylene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			205-883-8	191-24-2									
										Total:	0.119 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0071%)

Classification of sample: WS106 ES2

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

Sample details

Sample name:
WS106 ES2
Sample Depth:
0.30 m
Moisture content:
10%
(no correction)

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

Hazard properties

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

Hazard Statements hit:

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

Because of determinand:

lead compounds with the exception of those specified elsewhere in this Annex (worst case): (Note 1 conc.: 0.14%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

lead compounds with the exception of those specified elsewhere in this Annex (worst case): (Note 1 conc.: 0.14%)
zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2]: (compound conc.: 0.281%)

Determinands

Moisture content: 10% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				29	mg/kg	1.895	54.941	mg/kg	0.00549 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.8	mg/kg	1.855	3.338	mg/kg	0.000334 %		
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		120	mg/kg	3.929	471.486	mg/kg	0.0471 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	1400	mg/kg		1400	mg/kg	0.14 %		
6		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		2.2	mg/kg	1.353	2.978	mg/kg	0.000298 %		
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		34	mg/kg	5.324	181.026	mg/kg	0.0181 %		
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 %		**<LOD**

#		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
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		640	mg/kg	4.398	2814.673	mg/kg	0.281 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		7.9	pH		7.9	pH	7.9 pH		
12		TPH (C6 to C40) petroleum group			TPH		322	mg/kg		322	mg/kg	0.0322 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
18		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
19		acenaphthylene		205-917-1	208-96-8		0.34	mg/kg		0.34	mg/kg	0.000034 %		
20		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
21		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
22		phenanthrene		201-581-5	85-01-8		3.6	mg/kg		3.6	mg/kg	0.00036 %		
23		anthracene		204-371-1	120-12-7		0.95	mg/kg		0.95	mg/kg	0.000095 %		
24		fluoranthene		205-912-4	206-44-0		16	mg/kg		16	mg/kg	0.0016 %		
25		pyrene		204-927-3	129-00-0		15	mg/kg		15	mg/kg	0.0015 %		
26		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		13	mg/kg		13	mg/kg	0.0013 %		
27		chrysene	601-048-00-0	205-923-4	218-01-9		10	mg/kg		10	mg/kg	0.001 %		
28		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		21	mg/kg		21	mg/kg	0.0021 %		
29		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		5.8	mg/kg		5.8	mg/kg	0.00058 %		
30		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		16	mg/kg		16	mg/kg	0.0016 %		
31		indeno[123-cd]pyrene		205-893-2	193-39-5		8.6	mg/kg		8.6	mg/kg	0.00086 %		
32		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		1.9	mg/kg		1.9	mg/kg	0.00019 %		
33		benzo[ghi]perylene		205-883-8	191-24-2		9.1	mg/kg		9.1	mg/kg	0.00091 %		
34		asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4		<10	mg/kg		<10	mg/kg	<0.001 %		**<LOD**

#		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							
				77536-68-6 77536-67-5 12001-29-5							
								Total:	0.539 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0322%)

Classification of sample: TT101 ES2

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

Sample details

Sample name:
TT101 ES2
Sample Depth:
0.30 m
Moisture content:
9.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 9.2% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				19	mg/kg	1.895	35.996	mg/kg	0.0036 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		<**LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		<**LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		30	mg/kg	3.929	117.872	mg/kg	0.0118 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	350	mg/kg		350	mg/kg	0.035 %		
6		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**
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		23	mg/kg	5.324	122.459	mg/kg	0.0122 %		
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 %		<**LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		290	mg/kg	4.398	1275.399	mg/kg	0.128 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
11		pH			PH		7.9	pH		7.9	pH	7.9 pH		
12		TPH (C6 to C40) petroleum group			TPH		43	mg/kg		43	mg/kg	0.0043 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
18		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
19	•	acenaphthylene				0.33	mg/kg		0.33	mg/kg	0.000033 %		
			205-917-1	208-96-8									
20	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
21	•	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-695-5	86-73-7									
22	•	phenanthrene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
			201-581-5	85-01-8									
23	•	anthracene				0.76	mg/kg		0.76	mg/kg	0.000076 %		
			204-371-1	120-12-7									
24	•	fluoranthene				4.8	mg/kg		4.8	mg/kg	0.00048 %		
			205-912-4	206-44-0									
25	•	pyrene				4.4	mg/kg		4.4	mg/kg	0.00044 %		
			204-927-3	129-00-0									
26		benzo[a]anthracene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
		601-033-00-9	200-280-6	56-55-3									
27		chrysene				2.2	mg/kg		2.2	mg/kg	0.00022 %		
		601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene				3.7	mg/kg		3.7	mg/kg	0.00037 %		
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
		601-032-00-3	200-028-5	50-32-8									
31	•	indeno[123-cd]pyrene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
			205-893-2	193-39-5									
32		dibenz[a,h]anthracene				0.44	mg/kg		0.44	mg/kg	0.000044 %		
		601-041-00-2	200-181-8	53-70-3									
33	•	benzo[ghi]perylene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
			205-883-8	191-24-2									
34		asbestos				60	mg/kg		60	mg/kg	0.006 %		
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
										Total:	0.205 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0043%)

Classification of sample: TT101 ES3

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

Sample details

Sample name:
TT101 ES3
Sample Depth:
1.30 m
Moisture content:
11%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 11% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				23	mg/kg	1.895	43.574	mg/kg	0.00436 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		50	mg/kg	3.929	196.453	mg/kg	0.0196 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	280	mg/kg		280	mg/kg	0.028 %		
6		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.6	mg/kg	1.353	2.166	mg/kg	0.000217 %		
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		19	mg/kg	5.324	101.162	mg/kg	0.0101 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120	mg/kg	4.398	527.751	mg/kg	0.0528 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		8.1	pH		8.1	pH	8.1 pH		
12		TPH (C6 to C40) petroleum group			TPH		48	mg/kg		48	mg/kg	0.0048 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]									
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane									
		603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
18		naphthalene									
		601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
19	•	acenaphthylene									
			205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
20	•	acenaphthene									
			201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
21	•	fluorene									
			201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
22	•	phenanthrene									
			201-581-5	85-01-8		1 mg/kg		1 mg/kg	0.0001 %		
23	•	anthracene									
			204-371-1	120-12-7		0.28 mg/kg		0.28 mg/kg	0.000028 %		
24	•	fluoranthene									
			205-912-4	206-44-0		1.6 mg/kg		1.6 mg/kg	0.00016 %		
25	•	pyrene									
			204-927-3	129-00-0		1.5 mg/kg		1.5 mg/kg	0.00015 %		
26		benzo[a]anthracene									
		601-033-00-9	200-280-6	56-55-3		1 mg/kg		1 mg/kg	0.0001 %		
27		chrysene									
		601-048-00-0	205-923-4	218-01-9		0.86 mg/kg		0.86 mg/kg	0.000086 %		
28		benzo[b]fluoranthene									
		601-034-00-4	205-911-9	205-99-2		1.1 mg/kg		1.1 mg/kg	0.00011 %		
29		benzo[k]fluoranthene									
		601-036-00-5	205-916-6	207-08-9		0.47 mg/kg		0.47 mg/kg	0.000047 %		
30		benzo[a]pyrene; benzo[def]chrysene									
		601-032-00-3	200-028-5	50-32-8		0.96 mg/kg		0.96 mg/kg	0.000096 %		
31	•	indeno[123-cd]pyrene									
			205-893-2	193-39-5		0.51 mg/kg		0.51 mg/kg	0.000051 %		
32		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**
33	•	benzo[ghi]perylene									
			205-883-8	191-24-2		0.59 mg/kg		0.59 mg/kg	0.000059 %		
34		asbestos									
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		10 mg/kg		10 mg/kg	0.001 %		
								Total:	0.123 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0048%)

Classification of sample: WS107A

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

Sample details

Sample name:
WS107A
Sample Depth:
0.30 m
Moisture content:
3.9%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 3.9% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				30	mg/kg	1.895	56.836	mg/kg	0.00568 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		17	mg/kg	3.929	66.794	mg/kg	0.00668 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	42	mg/kg		42	mg/kg	0.0042 %		
6		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1	mg/kg	1.353	1.353	mg/kg	0.000135 %		
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		12	mg/kg	5.324	63.892	mg/kg	0.00639 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		59	mg/kg	4.398	259.478	mg/kg	0.0259 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		7.9	pH		7.9	pH	7.9 pH		
12		TPH (C6 to C40) petroleum group			TPH		70	mg/kg		70	mg/kg	0.007 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
18		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
19	•	acenaphthylene				0.56	mg/kg		0.56	mg/kg	0.000056 %		
			205-917-1	208-96-8									
20	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
21	•	fluorene				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			201-695-5	86-73-7									
22	•	phenanthrene				3.5	mg/kg		3.5	mg/kg	0.00035 %		
			201-581-5	85-01-8									
23	•	anthracene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			204-371-1	120-12-7									
24	•	fluoranthene				3.8	mg/kg		3.8	mg/kg	0.00038 %		
			205-912-4	206-44-0									
25	•	pyrene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			204-927-3	129-00-0									
26		benzo[a]anthracene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
		601-033-00-9	200-280-6	56-55-3									
27		chrysene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				0.89	mg/kg		0.89	mg/kg	0.000089 %		
		601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-032-00-3	200-028-5	50-32-8									
31	•	indeno[123-cd]pyrene				0.81	mg/kg		0.81	mg/kg	0.000081 %		
			205-893-2	193-39-5									
32		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3									
33	•	benzo[ghi]perylene				0.95	mg/kg		0.95	mg/kg	0.000095 %		
			205-883-8	191-24-2									
34		asbestos				<10	mg/kg		<10	mg/kg	<0.001 %		**<LOD**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
										Total:	0.0605 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.007%)

Classification of sample: WS107A[2]

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

Sample details

Sample name:
WS107A[2]
Sample Depth:
1.30 m
Moisture content:
6.7%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 6.7% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				11	mg/kg	1.895	20.84	mg/kg	0.00208 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		30	mg/kg	3.929	117.872	mg/kg	0.0118 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	27	mg/kg		27	mg/kg	0.0027 %		
6		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**
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		12	mg/kg	5.324	63.892	mg/kg	0.00639 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		47	mg/kg	4.398	206.703	mg/kg	0.0207 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		7.7	pH		7.7	pH	7.7 pH		
12		TPH (C6 to C40) petroleum group			TPH		34	mg/kg		34	mg/kg	0.0034 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4							
18		naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3							
19	•	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			205-917-1	208-96-8							
20	•	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9							
21	•	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
			201-695-5	86-73-7							
22	•	phenanthrene				0.86 mg/kg		0.86 mg/kg	0.000086 %		
			201-581-5	85-01-8							
23	•	anthracene				0.29 mg/kg		0.29 mg/kg	0.000029 %		
			204-371-1	120-12-7							
24	•	fluoranthene				1.7 mg/kg		1.7 mg/kg	0.00017 %		
			205-912-4	206-44-0							
25	•	pyrene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
			204-927-3	129-00-0							
26		benzo[a]anthracene				0.8 mg/kg		0.8 mg/kg	0.00008 %		
		601-033-00-9	200-280-6	56-55-3							
27		chrysene				1 mg/kg		1 mg/kg	0.0001 %		
		601-048-00-0	205-923-4	218-01-9							
28		benzo[b]fluoranthene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		601-034-00-4	205-911-9	205-99-2							
29		benzo[k]fluoranthene				0.51 mg/kg		0.51 mg/kg	0.000051 %		
		601-036-00-5	205-916-6	207-08-9							
30		benzo[a]pyrene; benzo[def]chrysene				0.89 mg/kg		0.89 mg/kg	0.000089 %		
		601-032-00-3	200-028-5	50-32-8							
31	•	indeno[123-cd]pyrene				0.49 mg/kg		0.49 mg/kg	0.000049 %		
			205-893-2	193-39-5							
32		dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3							
33	•	benzo[ghi]perylene				0.58 mg/kg		0.58 mg/kg	0.000058 %		
			205-883-8	191-24-2							
								Total:	0.0493 %		

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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0034%)

Classification of sample: WS108

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

Sample details

Sample name:
WS108
Sample Depth:
0.30 m
Moisture content:
18%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				19	mg/kg	1.895	35.996	mg/kg	0.0036 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		34	mg/kg	3.929	133.588	mg/kg	0.0134 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	59	mg/kg		59	mg/kg	0.0059 %		
6		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**
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		30	mg/kg	5.324	159.729	mg/kg	0.016 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		98	mg/kg	4.398	430.997	mg/kg	0.0431 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		8.1	pH		8.1	pH	8.1 pH		
12		TPH (C6 to C40) petroleum group			TPH		61	mg/kg		61	mg/kg	0.0061 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
18		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
19	•	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-917-1	208-96-8									
20	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
21	•	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-695-5	86-73-7									
22	•	phenanthrene				1	mg/kg		1	mg/kg	0.0001 %		
			201-581-5	85-01-8									
23	•	anthracene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
			204-371-1	120-12-7									
24	•	fluoranthene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
			205-912-4	206-44-0									
25	•	pyrene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
			204-927-3	129-00-0									
26		benzo[a]anthracene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-033-00-9	200-280-6	56-55-3									
27		chrysene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				0.58	mg/kg		0.58	mg/kg	0.000058 %		
		601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-032-00-3	200-028-5	50-32-8									
31	•	indeno[123-cd]pyrene				0.71	mg/kg		0.71	mg/kg	0.000071 %		
			205-893-2	193-39-5									
32		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3									
33	•	benzo[ghi]perylene				0.88	mg/kg		0.88	mg/kg	0.000088 %		
			205-883-8	191-24-2									
										Total:	0.0906 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0061%)

Classification of sample: BH103

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

Sample details

Sample name:
BH103
Sample Depth:
5.00 m
Moisture content:
13%
(no correction)

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

Hazard properties

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

Hazard Statements hit:

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

Because of determinand:

asbestos: (conc.: 0.608%)

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				22	mg/kg	1.895	41.68	mg/kg	0.00417 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		130	mg/kg	3.929	510.777	mg/kg	0.0511 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	490	mg/kg		490	mg/kg	0.049 %		
6		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		6.6	mg/kg	1.353	8.933	mg/kg	0.000893 %		
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		24	mg/kg	5.324	127.783	mg/kg	0.0128 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		120	mg/kg	4.398	527.751	mg/kg	0.0528 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		8.5	pH		8.5	pH	8.5 pH		

#		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
12	●	TPH (C6 to C40) petroleum group			TPH		<20	mg/kg		<20	mg/kg	<0.002 %		<LOD
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
14	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
18		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	●	acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
20	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	●	fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	●	phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	●	anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24	●	fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25	●	pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.24	mg/kg		0.24	mg/kg	0.000024 %		
27		chrysene	601-048-00-0	205-923-4	218-01-9		0.27	mg/kg		0.27	mg/kg	0.000027 %		
28		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.28	mg/kg		0.28	mg/kg	0.000028 %		
29		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.17	mg/kg		0.17	mg/kg	0.000017 %		
30		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.26	mg/kg		0.26	mg/kg	0.000026 %		
31	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		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
33	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
34		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
35		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
36	●	1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
37		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
38		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
39		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD

#		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									
40		chloroform; trichloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-006-00-4	200-663-8	67-66-3									
41		vinyl chloride; chloroethylene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-023-00-7	200-831-0	75-01-4									
42		asbestos				6080	mg/kg		6080	mg/kg	0.608 %		
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
										Total:	0.782 %		

Key

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

Classification of sample: BH104

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

Sample details

Sample name:
BH104
Sample Depth:
0.30 m
Moisture content:
25%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 25% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				320	mg/kg	1.895	606.248	mg/kg	0.0606 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		42	mg/kg	3.929	165.02	mg/kg	0.0165 %		
6		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	260	mg/kg		260	mg/kg	0.026 %		
7		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**
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		18	mg/kg	5.324	95.837	mg/kg	0.00958 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		340	mg/kg	4.398	1495.295	mg/kg	0.15 %		
11		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				46	mg/kg	1.884	86.664	mg/kg	0.00867 %		
12		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
13		pH			PH		7.6	pH		7.6	pH	7.6 pH		

#		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									
14		TPH (C6 to C40) petroleum group				630	mg/kg		630	mg/kg	0.063 %		
				TPH									
15		benzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-020-00-8	200-753-7	71-43-2									
16		ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-023-00-4	202-849-4	100-41-4									
17		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
21		acenaphthylene				5.1	mg/kg		5.1	mg/kg	0.00051 %		
			205-917-1	208-96-8									
22		acenaphthene				3.8	mg/kg		3.8	mg/kg	0.00038 %		
			201-469-6	83-32-9									
23		fluorene				5	mg/kg		5	mg/kg	0.0005 %		
			201-695-5	86-73-7									
24		phenanthrene				48	mg/kg		48	mg/kg	0.0048 %		
			201-581-5	85-01-8									
25		anthracene				17	mg/kg		17	mg/kg	0.0017 %		
			204-371-1	120-12-7									
26		fluoranthene				56	mg/kg		56	mg/kg	0.0056 %		
			205-912-4	206-44-0									
27		pyrene				54	mg/kg		54	mg/kg	0.0054 %		
			204-927-3	129-00-0									
28		benzo[a]anthracene				42	mg/kg		42	mg/kg	0.0042 %		
		601-033-00-9	200-280-6	56-55-3									
29		chrysene				38	mg/kg		38	mg/kg	0.0038 %		
		601-048-00-0	205-923-4	218-01-9									
30		benzo[b]fluoranthene				42	mg/kg		42	mg/kg	0.0042 %		
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				12	mg/kg		12	mg/kg	0.0012 %		
		601-036-00-5	205-916-6	207-08-9									
32		benzo[a]pyrene; benzo[def]chrysene				36	mg/kg		36	mg/kg	0.0036 %		
		601-032-00-3	200-028-5	50-32-8									
33		indeno[123-cd]pyrene				26	mg/kg		26	mg/kg	0.0026 %		
			205-893-2	193-39-5									
34		dibenz[a,h]anthracene				6.9	mg/kg		6.9	mg/kg	0.00069 %		
		601-041-00-2	200-181-8	53-70-3									
35		benzo[ghi]perylene				25	mg/kg		25	mg/kg	0.0025 %		
			205-883-8	191-24-2									
36		1,2-dichloroethane; ethylene dichloride				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-012-00-7	203-458-1	107-06-2									
37		1,1,1-trichloroethane; methyl chloroform				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-013-00-2	200-756-3	71-55-6									
38		1,1,1,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
			211-135-1	630-20-6									
39		1,1,2,2-tetrachloroethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-015-00-3	201-197-8	79-34-5									
40		carbon tetrachloride; tetrachloromethane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		602-027-00-9	201-167-4	79-01-6									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
42		chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-006-00-4	200-663-8	67-66-3							
43		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-023-00-7	200-831-0	75-01-4							
								Total:	0.38 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.063%)

Classification of sample: BH104[2]

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

Sample details

Sample name:
BH104[2]
Sample Depth:
2.10 m
Moisture content:
20%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				32	mg/kg	1.895	60.625	mg/kg	0.00606 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
4		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		26	mg/kg	3.929	102.155	mg/kg	0.0102 %		
5		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	21	mg/kg		21	mg/kg	0.0021 %		
6		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**
7		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		25	mg/kg	5.324	133.108	mg/kg	0.0133 %		
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 %		**<LOD**
9		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		47	mg/kg	4.398	206.703	mg/kg	0.0207 %		
10		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
11		pH			PH		7.6	pH		7.6	pH	7.6 pH		
12		TPH (C6 to C40) petroleum group			TPH		380	mg/kg		380	mg/kg	0.038 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4							
18		naphthalene				6.3 mg/kg		6.3 mg/kg	0.00063 %		
		601-052-00-2	202-049-5	91-20-3							
19	•	acenaphthylene				4.4 mg/kg		4.4 mg/kg	0.00044 %		
			205-917-1	208-96-8							
20	•	acenaphthene				1 mg/kg		1 mg/kg	0.0001 %		
			201-469-6	83-32-9							
21	•	fluorene				4.9 mg/kg		4.9 mg/kg	0.00049 %		
			201-695-5	86-73-7							
22	•	phenanthrene				54 mg/kg		54 mg/kg	0.0054 %		
			201-581-5	85-01-8							
23	•	anthracene				13 mg/kg		13 mg/kg	0.0013 %		
			204-371-1	120-12-7							
24	•	fluoranthene				59 mg/kg		59 mg/kg	0.0059 %		
			205-912-4	206-44-0							
25	•	pyrene				49 mg/kg		49 mg/kg	0.0049 %		
			204-927-3	129-00-0							
26		benzo[a]anthracene				27 mg/kg		27 mg/kg	0.0027 %		
		601-033-00-9	200-280-6	56-55-3							
27		chrysene				22 mg/kg		22 mg/kg	0.0022 %		
		601-048-00-0	205-923-4	218-01-9							
28		benzo[b]fluoranthene				29 mg/kg		29 mg/kg	0.0029 %		
		601-034-00-4	205-911-9	205-99-2							
29		benzo[k]fluoranthene				8.2 mg/kg		8.2 mg/kg	0.00082 %		
		601-036-00-5	205-916-6	207-08-9							
30		benzo[a]pyrene; benzo[def]chrysene				27 mg/kg		27 mg/kg	0.0027 %		
		601-032-00-3	200-028-5	50-32-8							
31	•	indeno[123-cd]pyrene				15 mg/kg		15 mg/kg	0.0015 %		
			205-893-2	193-39-5							
32		dibenz[a,h]anthracene				3.7 mg/kg		3.7 mg/kg	0.00037 %		
		601-041-00-2	200-181-8	53-70-3							
33	•	benzo[ghi]perylene				17 mg/kg		17 mg/kg	0.0017 %		
			205-883-8	191-24-2							
								Total:	0.126 %		

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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.038%)

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

- **pH** (CAS Number: PH)

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

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

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

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

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

- **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

- **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

- **1,1,1,2-tetrachloroethane** (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

Appendix B: Rationale for selection of metal species

arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}

Worst case CLP species

cadmium {cadmium sulfate}

Worst case CLP species

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

Worst case CLP species

copper {copper sulphate pentahydrate}

Worst case CLP species

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

Most reasonable worst case species, with an insufficient concentration of Chromium (VI) recorded to utilise the most-worst case species (Lead Chromate)

mercury {mercury dichloride}

Most reasonable worst case CLP species, with worst case species (Mercury Difluminate) discounted on account of no recorded blasting or munitions storage on-site

nickel {nickel diiodide}

Worst case species

selenium {nickel selenate}

Worst case CLP species

zinc {zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2]}

Most reasonable worst case species, with an insufficient concentration of Chromium (VI) recorded to utilise the most-worst case species (Zinc Chromate)

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

Worst case CLP 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

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.234.5304.9918 (22 Aug 2022)
HazWasteOnline Database: 2022.234.5304.9918 (22 Aug 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

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.

LLWS9-12AGM-8SYVS

Job name

Oxpens River Bridge - Northmoor Sand and Gravel Member

Description/Comments

Project

330610555

Site

Oxpens River Bridge, Oxford

Classified by

Name:
James Hallier
Date:
26 Aug 2022 09:20 GMT
Telephone:
01223802984

Company:
Stantec UK Ltd
3rd Floor, 50-60 Station Road,
Cambridge,
CB1 2JH

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	04 Feb 2021

Next 3 year Refresher due by Feb 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	BH105	4.20	Non Hazardous		2
2	WS103A	2.20	Non Hazardous		4
3	BH103	6.20	Non Hazardous		7

Related documents

#	Name	Description
1	Soils Stream	waste stream template used to create this Job

Report

Created by: James Hallier

Created date: 26 Aug 2022 09:20 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	9
Appendix B: Rationale for selection of metal species	10
Appendix C: Version	10

Classification of sample: BH105

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

Sample details

Sample name:
BH105
Sample Depth:
4.20 m
Moisture content:
8.3%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.3% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				210	mg/kg	1.895	397.85	mg/kg	0.0398 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		22	mg/kg	1.462	32.154	mg/kg	0.00322 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		7.9	mg/kg	3.929	31.04	mg/kg	0.0031 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	11	mg/kg	1.56	17.158	mg/kg	0.0011 %		
7		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**
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		26	mg/kg	5.324	138.432	mg/kg	0.0138 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		49	mg/kg	2.774	135.933	mg/kg	0.0136 %		
11		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		TPH (C6 to C40) petroleum group			TPH		<20	mg/kg		<20	mg/kg	<0.002 %		**<LOD**
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]									
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane									
		603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
18		naphthalene									
		601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
19	•	acenaphthylene									
			205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
20	•	acenaphthene									
			201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
21	•	fluorene									
			201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
22	•	phenanthrene									
			201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
23	•	anthracene									
			204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
24	•	fluoranthene									
			205-912-4	206-44-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
25	•	pyrene									
			204-927-3	129-00-0		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
26		benzo[a]anthracene									
		601-033-00-9	200-280-6	56-55-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
27		chrysene									
		601-048-00-0	205-923-4	218-01-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
28		benzo[b]fluoranthene									
		601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
29		benzo[k]fluoranthene									
		601-036-00-5	205-916-6	207-08-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
30		benzo[a]pyrene; benzo[def]chrysene									
		601-032-00-3	200-028-5	50-32-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
31	•	indeno[123-cd]pyrene									
			205-893-2	193-39-5		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
32		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**
33	•	benzo[ghi]perylene									
			205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
								Total:	0.0781 %		

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
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS103A

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

Sample details

Sample name:
WS103A
Sample Depth:
2.20 m
Moisture content:
8.2%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 8.2% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				37	mg/kg	1.895	70.097	mg/kg	0.00701 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		7.4	mg/kg	3.929	29.075	mg/kg	0.00291 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	25	mg/kg	1.56	38.995	mg/kg	0.0025 %		
7		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**
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		26	mg/kg	5.324	138.432	mg/kg	0.0138 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		77	mg/kg	2.774	213.609	mg/kg	0.0214 %		
11		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		TPH (C6 to C40) petroleum group			TPH		51	mg/kg		51	mg/kg	0.0051 %		
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
18		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
19	•	acenaphthylene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
			205-917-1	208-96-8									
20	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
21	•	fluorene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			201-695-5	86-73-7									
22	•	phenanthrene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			201-581-5	85-01-8									
23	•	anthracene				0.9	mg/kg		0.9	mg/kg	0.00009 %		
			204-371-1	120-12-7									
24	•	fluoranthene				5.2	mg/kg		5.2	mg/kg	0.00052 %		
			205-912-4	206-44-0									
25	•	pyrene				4.7	mg/kg		4.7	mg/kg	0.00047 %		
			204-927-3	129-00-0									
26		benzo[a]anthracene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-033-00-9	200-280-6	56-55-3									
27		chrysene				2	mg/kg		2	mg/kg	0.0002 %		
		601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene				2	mg/kg		2	mg/kg	0.0002 %		
		601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene				2.6	mg/kg		2.6	mg/kg	0.00026 %		
		601-032-00-3	200-028-5	50-32-8									
31	•	indeno[123-cd]pyrene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
			205-893-2	193-39-5									
32		dibenz[a,h]anthracene				0.3	mg/kg		0.3	mg/kg	0.00003 %		
		601-041-00-2	200-181-8	53-70-3									
33	•	benzo[ghi]perylene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			205-883-8	191-24-2									
										Total:	0.0606 %		

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
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 No evidence of any free product or other free phase contamination present on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0051%)

Classification of sample: BH103

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

Sample details

Sample name:
BH103
Sample Depth:
6.20 m
Moisture content:
24%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 24% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				31	mg/kg	1.895	58.73	mg/kg	0.00587 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		7	mg/kg	3.929	27.503	mg/kg	0.00275 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	8.7	mg/kg	1.56	13.57	mg/kg	0.00087 %		
7		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**
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		15	mg/kg	5.324	79.865	mg/kg	0.00799 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		39	mg/kg	2.774	108.192	mg/kg	0.0108 %		
11		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		TPH (C6 to C40) petroleum group			TPH		<20	mg/kg		<20	mg/kg	<0.002 %		**<LOD**
13		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
14		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		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
16		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
18		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
19	•	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
20	•	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
21	•	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
22	•	phenanthrene		201-581-5	85-01-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
23	•	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		**<LOD**
24	•	fluoranthene		205-912-4	206-44-0		0.59 mg/kg		0.59 mg/kg	0.000059 %		
25	•	pyrene		204-927-3	129-00-0		0.57 mg/kg		0.57 mg/kg	0.000057 %		
26		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.35 mg/kg		0.35 mg/kg	0.000035 %		
27		chrysene	601-048-00-0	205-923-4	218-01-9		0.36 mg/kg		0.36 mg/kg	0.000036 %		
28		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.43 mg/kg		0.43 mg/kg	0.000043 %		
29		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.23 mg/kg		0.23 mg/kg	0.000023 %		
30		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.42 mg/kg		0.42 mg/kg	0.000042 %		
31	•	indeno[123-cd]pyrene		205-893-2	193-39-5		0.26 mg/kg		0.26 mg/kg	0.000026 %		
32		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**
33	•	benzo[ghi]perylene		205-883-8	191-24-2		0.32 mg/kg		0.32 mg/kg	0.000032 %		
									Total:	0.0347 %		

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

Appendix A: Classifier defined and non GB MCL determinands

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

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

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

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

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

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

- **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

Appendix B: Rationale for selection of metal species

arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}

Worst case CLP species

cadmium {cadmium sulfate}

Worst case CLP species

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

Worst case CLP species

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

Worst case CLP species

copper {copper sulphate pentahydrate}

Worst case CLP species

lead {lead chromate}

Worst case CLP species

mercury {mercury dichloride}

Most reasonable worst case CLP species, with worst case species (Mercury Difluminate) discounted on account of no recorded blasting or munitions storage on-site

nickel {nickel diiodide}

Worst case species

selenium {nickel selenate}

Worst case CLP species

zinc {zinc chromate}

Worst case CLP species

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.234.5304.9918 (22 Aug 2022)
HazWasteOnline Database: 2022.234.5304.9918 (22 Aug 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

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.

PGT5X-MRPCG-N72YY

Job name

Oxpens River Bridge - Topsoil

Description/Comments

Project

330610555

Site

Oxpens River Bridge, Oxford

Classified by

Name:
James Hallier
Date:
26 Aug 2022 09:21 GMT
Telephone:
01223802984

Company:
Stantec UK Ltd
3rd Floor, 50-60 Station Road,
Cambridge,
CB1 2JH

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	04 Feb 2021

Next 3 year Refresher due by Feb 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS101	0.05	Non Hazardous		2
2	WS103	0.05	Non Hazardous		5
3	WS109	0.05	Non Hazardous		8
4	TT102	0.05	Non Hazardous		11
5	BH103	0.05	Non Hazardous		14

Related documents

#	Name	Description
1	Soils Stream	waste stream template used to create this Job

Report

Created by: James Hallier

Created date: 26 Aug 2022 09:21 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	17
Appendix B: Rationale for selection of metal species	18
Appendix C: Version	19

Classification of sample: WS101

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

Sample details

Sample name:
WS101
Sample Depth:
0.05 m
Moisture content:
15%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 15% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				19	mg/kg	1.895	35.996	mg/kg	0.0036 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		28	mg/kg	1.462	40.924	mg/kg	0.00409 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		27	mg/kg	3.929	106.084	mg/kg	0.0106 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	97	mg/kg	1.56	151.302	mg/kg	0.0097 %		
7		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**
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		25	mg/kg	5.324	133.108	mg/kg	0.0133 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		120	mg/kg	2.774	332.898	mg/kg	0.0333 %		
11		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		pH			PH		8.1	pH		8.1	pH	8.1 pH		
13		TPH (C6 to C40) petroleum group			TPH		54	mg/kg		54	mg/kg	0.0054 %		
14		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
17		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
20	•	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-917-1	208-96-8									
21	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
22	•	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-695-5	86-73-7									
23	•	phenanthrene				1.5	mg/kg		1.5	mg/kg	0.00015 %		
			201-581-5	85-01-8									
24	•	anthracene				0.34	mg/kg		0.34	mg/kg	0.000034 %		
			204-371-1	120-12-7									
25	•	fluoranthene				4.5	mg/kg		4.5	mg/kg	0.00045 %		
			205-912-4	206-44-0									
26	•	pyrene				3.9	mg/kg		3.9	mg/kg	0.00039 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				3	mg/kg		3	mg/kg	0.0003 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
		601-032-00-3	200-028-5	50-32-8									
32	•	indeno[123-cd]pyrene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.37	mg/kg		0.37	mg/kg	0.000037 %		
		601-041-00-2	200-181-8	53-70-3									
34	•	benzo[ghi]perylene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
			205-883-8	191-24-2									
										Total:	0.0842 %		

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
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0054%)

Classification of sample: WS103

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

Sample details

Sample name:
WS103
Sample Depth:
0.05 m
Moisture content:
13%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				22	mg/kg	1.895	41.68	mg/kg	0.00417 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		49	mg/kg	3.929	192.524	mg/kg	0.0193 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	360	mg/kg	1.56	561.533	mg/kg	0.036 %		
7		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.9	mg/kg	1.353	1.218	mg/kg	0.000122 %		
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		22	mg/kg	5.324	117.135	mg/kg	0.0117 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		340	mg/kg	2.774	943.21	mg/kg	0.0943 %		
11		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		pH			PH		7.8	pH		7.8	pH	7.8 pH		
13		TPH (C6 to C40) petroleum group			TPH		87	mg/kg		87	mg/kg	0.0087 %		
14		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
17		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
19		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
20	•	acenaphthylene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
			205-917-1	208-96-8									
21	•	acenaphthene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
			201-469-6	83-32-9									
22	•	fluorene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
			201-695-5	86-73-7									
23	•	phenanthrene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
			201-581-5	85-01-8									
24	•	anthracene				0.8	mg/kg		0.8	mg/kg	0.00008 %		
			204-371-1	120-12-7									
25	•	fluoranthene				6.5	mg/kg		6.5	mg/kg	0.00065 %		
			205-912-4	206-44-0									
26	•	pyrene				5.8	mg/kg		5.8	mg/kg	0.00058 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				4.6	mg/kg		4.6	mg/kg	0.00046 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				3.5	mg/kg		3.5	mg/kg	0.00035 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				4	mg/kg		4	mg/kg	0.0004 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				3.8	mg/kg		3.8	mg/kg	0.00038 %		
		601-032-00-3	200-028-5	50-32-8									
32	•	indeno[123-cd]pyrene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.53	mg/kg		0.53	mg/kg	0.000053 %		
		601-041-00-2	200-181-8	53-70-3									
34	•	benzo[ghi]perylene				2	mg/kg		2	mg/kg	0.0002 %		
			205-883-8	191-24-2									
										Total:	0.183 %		

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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0087%)

Classification of sample: WS109

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

Sample details

Sample name:
WS109
Sample Depth:
0.05 m
Moisture content:
15%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 15% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				27	mg/kg	1.895	51.152	mg/kg	0.00512 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		24	mg/kg	1.462	35.077	mg/kg	0.00351 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		32	mg/kg	3.929	125.73	mg/kg	0.0126 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	120	mg/kg	1.56	187.178	mg/kg	0.012 %		
7		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.2	mg/kg	1.353	1.624	mg/kg	0.000162 %		
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		24	mg/kg	5.324	127.783	mg/kg	0.0128 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		130	mg/kg	2.774	360.639	mg/kg	0.0361 %		
11		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				4.9	mg/kg	1.884	9.232	mg/kg	0.000923 %		
12		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
13		pH			PH		8.6	pH		8.6	pH	8.6 pH		
14		TPH (C6 to C40) petroleum group			TPH		280	mg/kg		280	mg/kg	0.028 %		

#		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
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
16	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
17		toluene	601-021-00-3	203-625-9	108-88-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
19		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
20		naphthalene	601-052-00-2	202-049-5	91-20-3		0.85	mg/kg		0.85	mg/kg	0.000085 %		
21	●	acenaphthylene		205-917-1	208-96-8		2.5	mg/kg		2.5	mg/kg	0.00025 %		
22	●	acenaphthene		201-469-6	83-32-9		1.5	mg/kg		1.5	mg/kg	0.00015 %		
23	●	fluorene		201-695-5	86-73-7		2.6	mg/kg		2.6	mg/kg	0.00026 %		
24	●	phenanthrene		201-581-5	85-01-8		20	mg/kg		20	mg/kg	0.002 %		
25	●	anthracene		204-371-1	120-12-7		6.4	mg/kg		6.4	mg/kg	0.00064 %		
26	●	fluoranthene		205-912-4	206-44-0		36	mg/kg		36	mg/kg	0.0036 %		
27	●	pyrene		204-927-3	129-00-0		31	mg/kg		31	mg/kg	0.0031 %		
28		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		22	mg/kg		22	mg/kg	0.0022 %		
29		chrysene	601-048-00-0	205-923-4	218-01-9		17	mg/kg		17	mg/kg	0.0017 %		
30		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		22	mg/kg		22	mg/kg	0.0022 %		
31		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		11	mg/kg		11	mg/kg	0.0011 %		
32		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		21	mg/kg		21	mg/kg	0.0021 %		
33	●	indeno[123-cd]pyrene		205-893-2	193-39-5		11	mg/kg		11	mg/kg	0.0011 %		
34		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		3.1	mg/kg		3.1	mg/kg	0.00031 %		
35	●	benzo[ghi]perylene		205-883-8	191-24-2		12	mg/kg		12	mg/kg	0.0012 %		
36		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
37		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
38	●	1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
39		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
40		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
41		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
42		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		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							
43		vinyl chloride; chloroethylene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		**<LOD**
		602-023-00-7	200-831-0	75-01-4							
44		asbestos				<10 mg/kg		<10 mg/kg	<0.001 %		**<LOD**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
								Total:	0.135 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.028%)

Classification of sample: TT102

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

Sample details

Sample name:
TT102
Sample Depth:
0.05 m
Moisture content:
15%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 15% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				22	mg/kg	1.895	41.68	mg/kg	0.00417 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		23	mg/kg	1.462	33.616	mg/kg	0.00336 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		36	mg/kg	3.929	141.446	mg/kg	0.0141 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	230	mg/kg	1.56	358.757	mg/kg	0.023 %		
7		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1	mg/kg	1.353	1.353	mg/kg	0.000135 %		
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		20	mg/kg	5.324	106.486	mg/kg	0.0106 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		140	mg/kg	2.774	388.381	mg/kg	0.0388 %		
11		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		pH			PH		7.7	pH		7.7	pH	7.7 pH		
13		TPH (C6 to C40) petroleum group			TPH		40	mg/kg		40	mg/kg	0.004 %		
14		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
17		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
19		naphthalene				0.33	mg/kg		0.33	mg/kg	0.000033 %		
		601-052-00-2	202-049-5	91-20-3									
20	•	acenaphthylene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
			205-917-1	208-96-8									
21	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
22	•	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-695-5	86-73-7									
23	•	phenanthrene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
			201-581-5	85-01-8									
24	•	anthracene				0.51	mg/kg		0.51	mg/kg	0.000051 %		
			204-371-1	120-12-7									
25	•	fluoranthene				3.3	mg/kg		3.3	mg/kg	0.00033 %		
			205-912-4	206-44-0									
26	•	pyrene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
		601-032-00-3	200-028-5	50-32-8									
32	•	indeno[123-cd]pyrene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.37	mg/kg		0.37	mg/kg	0.000037 %		
		601-041-00-2	200-181-8	53-70-3									
34	•	benzo[ghi]perylene				1.4	mg/kg		1.4	mg/kg	0.00014 %		
			205-883-8	191-24-2									
										Total:	0.102 %		

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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.004%)

Classification of sample: BH103

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

Sample details

Sample name:
BH103
Sample Depth:
0.05 m
Moisture content:
16%
(no correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% No Moisture Correction applied (MC)

#		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 acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				28	mg/kg	1.895	53.047	mg/kg	0.0053 %		
2		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		<0.2	mg/kg	1.855	<0.371	mg/kg	<0.0000371 %		**<LOD**
3		chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		29	mg/kg	1.462	42.385	mg/kg	0.00424 %		
4		chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<4	mg/kg	2.27	<9.08	mg/kg	<0.000908 %		**<LOD**
5		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		35	mg/kg	3.929	137.517	mg/kg	0.0138 %		
6		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	220	mg/kg	1.56	343.159	mg/kg	0.022 %		
7		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		1.5	mg/kg	1.353	2.03	mg/kg	0.000203 %		
8		nickel { nickel diiodide }	028-029-00-4	236-666-6	13462-90-3		25	mg/kg	5.324	133.108	mg/kg	0.0133 %		
9		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		**<LOD**
10		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		160	mg/kg	2.774	443.863	mg/kg	0.0444 %		
11		phenol	604-001-00-2	203-632-7	108-95-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12		pH			PH		8.8	pH		8.8	pH	8.8 pH		
13		TPH (C6 to C40) petroleum group			TPH		35	mg/kg		35	mg/kg	0.0035 %		
14		benzene	601-020-00-8	200-753-7	71-43-2		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
15		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
16		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		601-021-00-3	203-625-9	108-88-3									
17		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		**<LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		**<LOD**
		603-181-00-X	216-653-1	1634-04-4									
19		naphthalene				0.33	mg/kg		0.33	mg/kg	0.000033 %		
		601-052-00-2	202-049-5	91-20-3									
20	•	acenaphthylene				0.26	mg/kg		0.26	mg/kg	0.000026 %		
			205-917-1	208-96-8									
21	•	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
22	•	fluorene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
			201-695-5	86-73-7									
23	•	phenanthrene				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			201-581-5	85-01-8									
24	•	anthracene				0.5	mg/kg		0.5	mg/kg	0.00005 %		
			204-371-1	120-12-7									
25	•	fluoranthene				3.2	mg/kg		3.2	mg/kg	0.00032 %		
			205-912-4	206-44-0									
26	•	pyrene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				2	mg/kg		2	mg/kg	0.0002 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				1.9	mg/kg		1.9	mg/kg	0.00019 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				0.85	mg/kg		0.85	mg/kg	0.000085 %		
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				1.8	mg/kg		1.8	mg/kg	0.00018 %		
		601-032-00-3	200-028-5	50-32-8									
32	•	indeno[123-cd]pyrene				0.99	mg/kg		0.99	mg/kg	0.000099 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				0.27	mg/kg		0.27	mg/kg	0.000027 %		
		601-041-00-2	200-181-8	53-70-3									
34	•	benzo[ghi]perylene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			205-883-8	191-24-2									
35		asbestos				<10	mg/kg		<10	mg/kg	<0.001 %		**<LOD**
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
										Total:	0.111 %		

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 No evidence of any free product or other free-phase contamination recorded on-site

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0035%)

Appendix A: Classifier defined and non GB MCL determinands

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

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

- **pH** (CAS Number: PH)

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

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

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

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

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

- **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

- **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

- **1,1,1,2-tetrachloroethane** (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

Appendix B: Rationale for selection of metal species

arsenic {arsenic acid and its salts with the exception of those specified elsewhere in this Annex}

Worst case CLP species

cadmium {cadmium sulfate}

Worst case CLP species

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

Worst case CLP species

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

Worst case CLP species

copper {copper sulphate pentahydrate}

Worst case CLP species

lead {lead chromate}

Worst case CLP species

mercury {mercury dichloride}

Most reasonable worst case CLP species, with worst case species (Mercury Difluminate) discounted on account of no recorded blasting or munitions storage on-site

nickel {nickel diiodide}

Worst case species

selenium {nickel selenate}

Worst case CLP species

zinc {zinc chromate}

Worst case CLP 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

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2022.234.5304.9918 (22 Aug 2022)
HazWasteOnline Database: 2022.234.5304.9918 (22 Aug 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

Appendix J Tier 2 Assessment – Table for Risk Estimates

Receptor	Receptor Sensitivity ('0' if not present)	Pathway	Present (Y=1, N=0)	EPH & Solvents	PAHs	Inorganics and Metals	Asbestos	Biocides	Permanent Gases	Consequence	Probability/ Likelihood	Estimated Risk
Human Health - On-Site Current Users	4	Ingestion of fruit or vegetable leaf or roots	0	✓	✓	✓	x	✓	x	N/A	N/A	N/A
		Ingestion of contaminated drinking water	0	✓	✓	x	x	✓	x	N/A	Unlikely	N/A
		Ingestion of water / sediments when swimming	1	✓	✓	✓	✓	✓	x	Medium	Low	Moderate
		Ingestion of soil/dust indoors	0	✓	✓	✓	✓	✓	x	N/A	Unlikely	N/A
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Medium	Low	Moderate
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Medium	Low	Moderate
		Inhalation of vapours/gases – outdoor	1	✓	x	x	x	x	✓	Medium	Low	Moderate
		Inhalation of vapours/gases - indoor	0	✓	x	x	x	x	✓	N/A	Unlikely	N/A
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Medium	Low	Moderate
		Dermal absorption via waters (swimming / showering)	1	✓	✓	✓	✓	✓	x	Medium	Low	Moderate
Human Health On-Site Future User	4	Ingestion of fruit or vegetable leaf or roots	0	✓	✓	✓	x	✓	x	N/A	Low	N/A
		Ingestion of contaminated drinking water	0	✓	✓	x	x	✓	x	N/A	Low	N/A
		Ingestion of water / sediments when swimming	1	✓	✓	x	x	✓	x	Medium	Low	Moderate
		Ingestion of soil/dust indoors	0	✓	✓	✓	✓	✓	x	N/A	Unlikely	N/A
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Medium	Low	Moderate
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Medium	Unlikely	Low
		Inhalation of vapours - indoor	0	✓	x	x	x	x	✓	N/A	Unlikely	N/A
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Dermal absorption via waters (swimming / showering)	1	✓	✓	✓	✓	✓	x	Medium	Low	Moderate
Human Health - Neighbours	5	Ingestion of fruit or vegetable leaf or roots	1	✓	✓	✓	x	✓	x	Medium	Unlikely	Low
		Ingestion of contaminated drinking water	1	✓	✓	x	x	✓	x	Medium	Unlikely	Low
		Ingestion of water / sediments when swimming	1	✓	✓	x	x	✓	x	Medium	Low	Moderate
		Ingestion of soil/dust indoors	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Medium	Unlikely	Low
		Inhalation of vapours - indoor	1	✓	x	x	x	x	✓	Medium	Unlikely	Low
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Dermal absorption via waters (swimming / showering)	1	✓	✓	✓	✓	✓	x	Medium	Low	Moderate
Human Health - Construction/ Maintenance Workers	4	Ingestion of soil/dust indoors	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Inhalation of particles (dust / soil) outdoor	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Medium	Likely	High
		Inhalation of vapours - indoor	0	✓	x	x	x	x	✓	N/A	N/A	N/A
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
Groundwater (Shallow)	2	Leaching	1	✓	✓	✓	x	✓	x	Mild	Likely	Moderate
		Migration via natural or anthropogenic	1	✓	✓	✓	x	✓	x	Mild	High	Moderate
Groundwater (Deep)	1	Leaching	1	✓	✓	✓	x	✓	x	Minor	Unlikely	Very Low
		Migration via natural or anthropogenic	1	✓	✓	✓	x	✓	x	Minor	Unlikely	Very Low
Surface Water	3	Direct runoff or discharges from pipes	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
		Indirect via recharge from groundwater (hydraulic flow)	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
		Deposition of wind blown dust	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
Property - Buildings	1	Direct contact	1	✓	✓	✓	x	x	x	Minor	Unlikely	Very Low
		Explosion due to gas migration via natural / anthropogenic	1	✓	x	x	x	x	✓	Minor	Unlikely	Very Low
Ecological Systems	2	Direct deposition of particles / dust - wind blown or flood	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
		Indirect - through watering	1	✓	✓	✓	x	✓	x	Mild	Low	Low
		Inhalation of gases/vapours or particulates/dust by animals	1	✓	✓	✓	✓	✓	✓	Mild	Low	Low
		Ingestion of of vegetation / water / soil by animals	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
Property - Animal/Crop	2	Direct (including deposition via wind or flood)	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
		Indirect (through watering)	1	✓	✓	✓	x	✓	x	Mild	Low	Low
		Inhalation of gas / vapour / particulates / dust by animals	1	✓	✓	✓	✓	✓	✓	Mild	Unlikely	Very Low
		Ingestion of vegetation / water / soil by animals	1	✓	✓	✓	✓	✓	x	Mild	Low	Low

Risk estimation establishes the magnitude and probability of the possible consequences (what degree of harm might result and how likely).
The criteria for classifying probability and consequence are set out in Tables 4 and 5 of the Stantec methodology.
Green text highlights one or more elements of the Pollutant Linkage are missing and therefore eliminated

EPH = Extractable hydrocarbons
PAHs = Poly Aromatic Hydrocarbons
Note For Metals there is an Inhalation pathway if Mercury is present
Note for PAHs there are Inhalation and/or Solubility pathways for some eg Naphthalene

Stantec

Caversham Bridge House, Waterman Place, Reading, RG1 8DN Tel 0118 950 0761 Fax 0118 959 7499

Client

Oxford City Council

Footpath Upgrade and Oxpens Footbridge, Osney, Oxford [Northern Part]

TABLE SUMMARISING ONSITE POLLUTANT LINKAGES AND RISK ESTIMATION

Date	07/07/2021
A3 Scale	NTS
Drawn By	az
Checked By	

HAZARD CLASSIFICATION	3	THE POTENTIAL CONTAMINANTS OF CONCERN ARE :- Agrochemicals, hydrocarbons (TPH & PAH), metals

Receptor	Receptor Sensitivity ('0' if not present)	Pathway	Present (Y=1, N=0)	EPH & Solvents	PAHs	Inorganics and Metals	Asbestos	Biocides	Permanent Gases	Consequence	Probability/ Likelihood	Estimated Risk
Human Health - On-Site Current Users	4	Ingestion of fruit or vegetable leaf or roots	0	✓	✓	✓	x	✓	x	N/A	N/A	N/A
		Ingestion of contaminated drinking water	0	✓	✓	x	x	✓	x	N/A	N/A	N/A
		Ingestion of water / sediments when swimming	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Ingestion of soil/dust indoors	0	✓	✓	✓	✓	✓	x	N/A	N/A	N/A
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Inhalation of vapours/gases – outdoor	1	✓	x	x	x	x	✓	Medium	Likely	High
		Inhalation of vapours/gases - indoor	0	✓	x	x	x	x	✓	N/A	N/A	N/A
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Dermal absorption via waters (swimming / showering)	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
Human Health On-Site Future User	4	Ingestion of fruit or vegetable leaf or roots	0	✓	✓	✓	x	✓	x	N/A	N/A	N/A
		Ingestion of contaminated drinking water	0	✓	✓	x	x	✓	x	N/A	N/A	N/A
		Ingestion of water / sediments when swimming	1	✓	✓	x	x	✓	x	Medium	Likely	High
		Ingestion of soil/dust indoors	0	✓	✓	✓	✓	✓	x	N/A	N/A	N/A
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Medium	Unlikely	Low
		Inhalation of vapours - indoor	0	✓	x	x	x	x	✓	N/A	N/A	N/A
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Dermal absorption via waters (swimming / showering)	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
Human Health - Neighbours	5	Ingestion of fruit or vegetable leaf or roots	1	✓	✓	✓	x	✓	x	Severe	Low	Moderate
		Ingestion of contaminated drinking water	1	✓	✓	x	x	✓	x	Severe	Low	Moderate
		Ingestion of water / sediments when swimming	1	✓	✓	x	x	✓	x	Severe	Likely	High
		Ingestion of soil/dust indoors	1	✓	✓	✓	✓	✓	x	Severe	Likely	High
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Severe	Likely	High
		Inhalation of particles (dust / soil) indoor and outdoor	1	✓	✓	✓	✓	✓	x	Severe	Likely	High
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Severe	Low	Moderate
		Inhalation of vapours - indoor	1	✓	x	x	x	x	✓	Severe	Low	Moderate
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Severe	Likely	High
		Dermal absorption via waters (swimming / showering)	1	✓	✓	✓	✓	✓	x	Severe	Likely	High
Human Health - Construction/ Maintenance Workers	4	Ingestion of soil/dust indoors	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Ingestion of soil/dust outdoors	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Inhalation of particles (dust / soil) outdoor	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
		Inhalation of vapours – outdoor	1	✓	x	x	x	x	✓	Medium	Low	Moderate
		Inhalation of vapours - indoor	0	✓	x	x	x	x	✓	N/A	N/A	N/A
		Dermal absorption via direct contact with soil	1	✓	✓	✓	✓	✓	x	Medium	Likely	High
Groundwater (Shallow)	2	Leaching	1	✓	✓	✓	x	✓	x	Mild	High	Moderate
		Migration via natural or anthropogenic	1	✓	✓	✓	x	✓	x	Mild	High	Moderate
Groundwater (Deep)	1	Leaching	1	✓	✓	✓	x	✓	x	Minor	Low	Very Low
		Migration via natural or anthropogenic	1	✓	✓	✓	x	✓	x	Minor	Low	Very Low
Surface Water	3	Direct runoff or discharges from pipes	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Indirect via recharge from groundwater (hydraulic flow)	1	✓	✓	✓	✓	✓	x	Medium	Unlikely	Low
		Deposition of wind blown dust	1	✓	✓	✓	✓	✓	x	Medium	Low	Moderate
Property - Buildings	1	Direct contact	1	✓	✓	✓	x	x	x	Minor	Unlikely	Very Low
		Explosion due to gas migration via natural / anthropogenic	1	✓	x	x	x	x	✓	Minor	Unlikely	Very Low
Ecological Systems	2	Direct deposition of particles / dust - wind blown or flood	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
		Indirect - through watering	1	✓	✓	✓	x	✓	x	Mild	Low	Low
		Inhalation of gases/vapours or particulates/dust by animals	1	✓	✓	✓	✓	✓	✓	Mild	Low	Low
		Ingestion of of vegetation / water / soil by animals	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
Property - Animal/Crop	2	Direct (including deposition via wind or flood)	1	✓	✓	✓	✓	✓	x	Mild	Low	Low
		Indirect (through watering)	1	✓	✓	✓	x	✓	x	Mild	Low	Low
		Inhalation of gas / vapour / particulates / dust by animals	1	✓	✓	✓	✓	✓	✓	Mild	Low	Low
		Ingestion of vegetation / water / soil by animals	1	✓	✓	✓	✓	✓	x	Mild	Low	Low

Risk estimation establishes the magnitude and probability of the possible consequences (what degree of harm might result and how likely).
The criteria for classifying probability and consequence are set out in Tables 4 and 5 of the Stantec methodology.
Green text highlights one or more elements of the Pollutant Linkage are missing and therefore eliminated

EPH = Extractable hydrocarbons
PAHs = Poly Aromatic Hydrocarbons
Note For Metals there is an Inhalation pathway if Mercury is present
Note for PAHs there are Inhalation and/or Solubility pathways for some eg Naphthalene

Stantec

Caversham Bridge House, Waterman Place, Reading, RG1 8DN Tel 0118 950 0761 Fax 0118 959 7499

Client

Oxford City Council

Footpath Upgrade and Oxpens Footbridge, Osney, Oxford [Southern Part]

TABLE SUMMARISING ONSITE POLLUTANT LINKAGES AND RISK ESTIMATION

Date	07/07/2021
A3 Scale	NTS
Drawn By	az
Checked By	

HAZARD CLASSIFICATION	4	THE POTENTIAL CONTAMINANTS OF CONCERN ARE :- EPH & Solvents, PAHs, inorganic and metals, asbestos, permanent gases