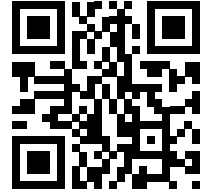




Waste Classification Report



24TGK-7CRT3-TRMTC

Job name

A1819

Description/Comments

Project

Site

Waste Stream Template

Example waste stream template for contaminated soils

Classified by

Name:
Adam Czarnecki
Date:
3/29/2017 3:44:51 PM UTC
Telephone:
0161 975 6088

Company:
Earth Environmental & Geotechnical
Houldsworth Mill Business & Arts Centre
Houldsworth Street, Reddish
Stockport
SK5 6DA

Report

Created by: Adam Czarnecki
Created date: 3/29/2017 15:44 UTC

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	WS101	0.40	Non Hazardous		2
2	WS101[1]	1.20	Non Hazardous		5
3	WS102	1.00	Non Hazardous		8
4	WS103	0.20	Non Hazardous		11
5	WS104	0.50	Non Hazardous		14
6	WS105	0.40	Non Hazardous		17
7	WS106	0.40	Non Hazardous		20

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	23
Appendix B: Rationale for selection of metal species	24
Appendix C: Version	25

Classification of sample: WS101

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

Sample details

Sample Name: WS101	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0.40 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
Moisture content: 13.5% (dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 13.5% Dry Weight Moisture Correction applied (MC)

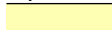



#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				19	mg/kg	1.32	22.102	mg/kg	0.00221 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
2	beryllium { beryllium oxide }				0.9	mg/kg	2.78	2.201	mg/kg	0.00022 %	✓	
	004-003-00-8	215-133-1	1304-56-9									
3	boron { diboron trioxide; boric oxide }				1.2	mg/kg	3.22	3.404	mg/kg	0.00034 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
4	cadmium { cadmium oxide }				0.2	mg/kg	1.14	0.201	mg/kg	0.00002 %	✓	
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]									
5	chromium in chromium(III) compounds { chromium(III) oxide }				20	mg/kg	1.46	25.754	mg/kg	0.00258 %	✓	
		215-160-9	1308-38-9									
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2	mg/kg	1.92	<3.389	mg/kg	<0.000339 %	✓	<LOD
	024-001-00-0	215-607-8	1333-82-0									
7	copper { dicopper oxide; copper (I) oxide }				67	mg/kg	1.13	66.462	mg/kg	0.00665 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead chromate }			1	92	mg/kg	1.56	126.434	mg/kg	0.008106 %	✓	
	082-004-00-2	231-846-0	7758-97-6									
9	mercury { mercury dichloride }				<1	mg/kg	1.35	<1.192	mg/kg	<0.000119 %	✓	<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel chromate }				19	mg/kg	2.98	49.823	mg/kg	0.00498 %	✓	
	028-035-00-7	238-766-5	14721-18-7									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3	mg/kg	2.55	<6.75	mg/kg	<0.000675 %	✓	<LOD
	034-002-00-8											
12	zinc { zinc chromate }				166	mg/kg	2.77	405.734	mg/kg	0.0406 %	✓	
	024-007-00-3											
13	TPH (C6 to C40) petroleum group				428	mg/kg		377.093	mg/kg	0.0377 %	✓	
			TPH									



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
14	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000176 %	✓	<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.005 mg/kg		<0.004 mg/kg	<0.00000441 %	✓	<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000176 %	✓	<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.00000176 %	✓	<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	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 }				<0.002 mg/kg	1.88	<0.003 mg/kg	<0.00000332 %	✓	<LOD
	006-007-00-5									
19	pH				8.1 pH		8.1 pH	8.1 pH		
			PH							
20	naphthalene				<0.1 mg/kg		<0.088 mg/kg	<0.00008811 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.1 mg/kg		<0.088 mg/kg	<0.00008811 %	✓	<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.1 mg/kg		<0.088 mg/kg	<0.00008811 %	✓	<LOD
		201-469-6	83-32-9							
23	fluorene				<0.1 mg/kg		<0.088 mg/kg	<0.00008811 %	✓	<LOD
		201-695-5	86-73-7							
24	phenanthrene				0.32 mg/kg		0.282 mg/kg	0.000028 %	✓	
		201-581-5	85-01-8							
25	anthracene				<0.1 mg/kg		<0.088 mg/kg	<0.00008811 %	✓	<LOD
		204-371-1	120-12-7							
26	fluoranthene				0.98 mg/kg		0.863 mg/kg	0.000086 %	✓	
		205-912-4	206-44-0							
27	pyrene				1.05 mg/kg		0.925 mg/kg	0.000093 %	✓	
		204-927-3	129-00-0							
28	benzo[a]anthracene				0.65 mg/kg		0.573 mg/kg	0.000057 %	✓	
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				0.68 mg/kg		0.599 mg/kg	0.00006 %	✓	
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				1.09 mg/kg		0.96 mg/kg	0.000096 %	✓	
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				0.36 mg/kg		0.317 mg/kg	0.000032 %	✓	
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				0.83 mg/kg		0.731 mg/kg	0.000073 %	✓	
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				0.45 mg/kg		0.396 mg/kg	0.00004 %	✓	
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.1 mg/kg		<0.088 mg/kg	<0.00008811 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				0.35 mg/kg		0.308 mg/kg	0.000031 %	✓	
		205-883-8	191-24-2							
36	phenol				<2 mg/kg		<1.762 mg/kg	<0.000176 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.105 %		



Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because**
No free phase



Classification of sample: WS101[1]

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

Sample details

Sample Name:	LoW Code:	
WS101[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.20 m		
Moisture content:		
19.3%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 19.3% Dry Weight Moisture Correction applied (MC)





#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				20 mg/kg	1.32	22.135 mg/kg	0.00221 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				1.1 mg/kg	2.78	2.559 mg/kg	0.000256 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<2.699 mg/kg	<0.00027 %	✓	<LOD
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.14	<0.192 mg/kg	<0.000019 %	✓	<LOD
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
5	chromium in chromium(III) compounds { chromium(III) oxide }				25 mg/kg	1.46	30.628 mg/kg	0.00306 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.92	<3.224 mg/kg	<0.000322 %	✓	<LOD
	024-001-00-0	215-607-8	1333-82-0							
7	copper { dicopper oxide; copper (I) oxide }				76 mg/kg	1.13	71.725 mg/kg	0.00717 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	142 mg/kg	1.56	185.661 mg/kg	0.011903 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<1 mg/kg	1.35	<1.135 mg/kg	<0.000113 %	✓	<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				29 mg/kg	2.98	72.348 mg/kg	0.00723 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.55	<6.421 mg/kg	<0.000642 %	✓	<LOD
	034-002-00-8									
12	zinc { zinc chromate }				115 mg/kg	2.77	267.416 mg/kg	0.0267 %	✓	
	024-007-00-3									
13	TPH (C6 to C40) petroleum group				<42 mg/kg		<35.205 mg/kg	<0.00352 %	✓	<LOD
			TPH							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
14	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000168 %	✓	<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.005 mg/kg		<0.004 mg/kg	<0.000000419 %	✓	<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.002 mg/kg		<0.002 mg/kg	<0.000000168 %	✓	<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.000000168 %	✓	<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	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 }				<0.002 mg/kg	1.88	<0.003 mg/kg	<0.000000316 %	✓	<LOD
	006-007-00-5									
19	pH		PH		8 pH		8 pH	8pH		
20	naphthalene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
		201-469-6	83-32-9							
23	fluorene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
		201-581-5	85-01-8							
25	anthracene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
		204-371-1	120-12-7							
26	fluoranthene				0.17 mg/kg		0.142 mg/kg	0.000014 %	✓	
		205-912-4	206-44-0							
27	pyrene				0.19 mg/kg		0.159 mg/kg	0.000016 %	✓	
		204-927-3	129-00-0							
28	benzo[a]anthracene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.1 mg/kg		<0.084 mg/kg	<0.000008382 %	✓	<LOD
		205-883-8	191-24-2							
36	phenol				<2 mg/kg		<1.676 mg/kg	<0.000168 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0638 %		



Key

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



Classification of sample: WS102

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

Sample details

Sample Name:	LoW Code:	
WS102	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.00 m		
Moisture content:		
15.7%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 15.7% Dry Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				8 mg/kg	1.32	9.129 mg/kg	0.000913 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				0.8 mg/kg	2.78	1.919 mg/kg	0.000192 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide; boric oxide }				1.1 mg/kg	3.22	3.061 mg/kg	0.000306 %	✓	
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.14	<0.197 mg/kg	<0.00002 %	✓	<LOD
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
5	chromium in chromium(III) compounds { chromium(III) oxide }				26 mg/kg	1.46	32.844 mg/kg	0.00328 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.92	<3.324 mg/kg	<0.000332 %	✓	<LOD
	024-001-00-0	215-607-8	1333-82-0							
7	copper { dicopper oxide; copper (I) oxide }				27 mg/kg	1.13	26.274 mg/kg	0.00263 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	237 mg/kg	1.56	319.513 mg/kg	0.020484 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<1 mg/kg	1.35	<1.17 mg/kg	<0.000117 %	✓	<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				17 mg/kg	2.98	43.731 mg/kg	0.00437 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.55	<6.621 mg/kg	<0.000662 %	✓	<LOD
	034-002-00-8									
12	zinc { zinc chromate }				84 mg/kg	2.77	201.407 mg/kg	0.0201 %	✓	
	024-007-00-3									
13	TPH (C6 to C40) petroleum group				218 mg/kg		188.418 mg/kg	0.0188 %	✓	
			TPH							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
14	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000173 %	✓	<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.005 mg/kg		<0.004 mg/kg	<0.00000432 %	✓	<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000173 %	✓	<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.00000173 %	✓	<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	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 }				<0.002 mg/kg	1.88	<0.003 mg/kg	<0.00000326 %	✓	<LOD
	006-007-00-5									
19	pH				9 pH		9 pH	9pH		
			PH							
20	naphthalene				<0.1 mg/kg		<0.086 mg/kg	<0.000008643 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.1 mg/kg		<0.086 mg/kg	<0.000008643 %	✓	<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.1 mg/kg		<0.086 mg/kg	<0.000008643 %	✓	<LOD
		201-469-6	83-32-9							
23	fluorene				<0.1 mg/kg		<0.086 mg/kg	<0.000008643 %	✓	<LOD
		201-695-5	86-73-7							
24	phenanthrene				0.14 mg/kg		0.121 mg/kg	0.000012 %	✓	
		201-581-5	85-01-8							
25	anthracene				<0.1 mg/kg		<0.086 mg/kg	<0.000008643 %	✓	<LOD
		204-371-1	120-12-7							
26	fluoranthene				0.49 mg/kg		0.424 mg/kg	0.000042 %	✓	
		205-912-4	206-44-0							
27	pyrene				0.45 mg/kg		0.389 mg/kg	0.000039 %	✓	
		204-927-3	129-00-0							
28	benzo[a]anthracene				0.17 mg/kg		0.147 mg/kg	0.000015 %	✓	
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				0.21 mg/kg		0.182 mg/kg	0.000018 %	✓	
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				0.14 mg/kg		0.121 mg/kg	0.000012 %	✓	
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				0.13 mg/kg		0.112 mg/kg	0.000011 %	✓	
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				0.12 mg/kg		0.104 mg/kg	0.00001 %	✓	
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.1 mg/kg		<0.086 mg/kg	<0.000008643 %	✓	<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.1 mg/kg		<0.086 mg/kg	<0.000008643 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.1 mg/kg		<0.086 mg/kg	<0.000008643 %	✓	<LOD
		205-883-8	191-24-2							
36	phenol				<2 mg/kg		<1.729 mg/kg	<0.000173 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0727 %		



Key

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

Supplementary Hazardous Property Information

HP 3(i) on Flam. Liq. 1; H224, Flam. Liq. 2; H225, Flam. Liq. 3; H226: **Force this Hazardous property to non hazardous because**
No free phase

Classification of sample: WS103

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

Sample details

Sample Name:	LoW Code:	
WS103	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		
Moisture content:		
18.4%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 18.4% Dry Weight Moisture Correction applied (MC)

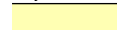



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				17 mg/kg	1.32	18.957 mg/kg	0.0019 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				1 mg/kg	2.78	2.344 mg/kg	0.000234 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<2.719 mg/kg	<0.000272 %	✓	<LOD
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.14	<0.193 mg/kg	<0.000019 %	✓	<LOD
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
5	chromium in chromium(III) compounds { chromium(III) oxide }				21 mg/kg	1.46	25.923 mg/kg	0.00259 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.92	<3.248 mg/kg	<0.000325 %	✓	<LOD
	024-001-00-0	215-607-8	1333-82-0							
7	copper { dicopper oxide; copper (I) oxide }				27 mg/kg	1.13	25.675 mg/kg	0.00257 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	44 mg/kg	1.56	57.966 mg/kg	0.003716 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<1 mg/kg	1.35	<1.143 mg/kg	<0.000114 %	✓	<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				21 mg/kg	2.98	52.788 mg/kg	0.00528 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.55	<6.47 mg/kg	<0.000647 %	✓	<LOD
	034-002-00-8									
12	zinc { zinc chromate }				91 mg/kg	2.77	213.216 mg/kg	0.0213 %	✓	
	024-007-00-3									
13	TPH (C6 to C40) petroleum group				<42 mg/kg		<35.473 mg/kg	<0.00355 %	✓	<LOD
			TPH							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
14	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000169 %	✓	<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.005 mg/kg		<0.004 mg/kg	<0.00000422 %	✓	<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000169 %	✓	<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.00000169 %	✓	<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	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 }				<0.002 mg/kg	1.88	<0.003 mg/kg	<0.00000318 %	✓	<LOD
	006-007-00-5									
19	pH				5.9 pH		5.9 pH	5.9 pH		
			PH							
20	naphthalene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
		201-469-6	83-32-9							
23	fluorene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
		201-581-5	85-01-8							
25	anthracene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
		205-912-4	206-44-0							
27	pyrene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
		204-927-3	129-00-0							
28	benzo[a]anthracene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.1 mg/kg		<0.084 mg/kg	<0.00008446 %	✓	<LOD
		205-883-8	191-24-2							
36	phenol				<2 mg/kg		<1.689 mg/kg	<0.000169 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0428 %		



Key

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

Classification of sample: WS104

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

Sample details

Sample Name:	LoW Code:	
WS104	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m		
Moisture content:		
19.6%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 19.6% Dry Weight Moisture Correction applied (MC)

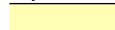



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				13 mg/kg	1.32	14.351 mg/kg	0.00144 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				1.3 mg/kg	2.78	3.017 mg/kg	0.000302 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<2.692 mg/kg	<0.000269 %	✓	<LOD
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.14	<0.191 mg/kg	<0.000019 %	✓	<LOD
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
5	chromium in chromium(III) compounds { chromium(III) oxide }				25 mg/kg	1.46	30.551 mg/kg	0.00306 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.92	<3.216 mg/kg	<0.000322 %	✓	<LOD
	024-001-00-0	215-607-8	1333-82-0							
7	copper { dicopper oxide; copper (I) oxide }				33 mg/kg	1.13	31.065 mg/kg	0.00311 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	24 mg/kg	1.56	31.301 mg/kg	0.002007 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<1 mg/kg	1.35	<1.132 mg/kg	<0.000113 %	✓	<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				27 mg/kg	2.98	67.19 mg/kg	0.00672 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.55	<6.405 mg/kg	<0.000641 %	✓	<LOD
	034-002-00-8									
12	zinc { zinc chromate }				90 mg/kg	2.77	208.757 mg/kg	0.0209 %	✓	
	024-007-00-3									
13	TPH (C6 to C40) petroleum group				<42 mg/kg		<35.117 mg/kg	<0.00351 %	✓	<LOD
			TPH							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
14	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000167 %	✓	<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.005 mg/kg		<0.004 mg/kg	<0.00000418 %	✓	<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000167 %	✓	<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.00000167 %	✓	<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	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 }				<0.002 mg/kg	1.88	<0.003 mg/kg	<0.00000315 %	✓	<LOD
	006-007-00-5									
19	pH				5.7 pH		5.7 pH	5.7 pH		
			PH							
20	naphthalene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
		201-469-6	83-32-9							
23	fluorene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
		201-581-5	85-01-8							
25	anthracene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
		205-912-4	206-44-0							
27	pyrene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
		204-927-3	129-00-0							
28	benzo[a]anthracene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.1 mg/kg		<0.084 mg/kg	<0.000008361 %	✓	<LOD
		205-883-8	191-24-2							
36	phenol				<2 mg/kg		<1.672 mg/kg	<0.000167 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0427 %		



Key

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



Classification of sample: WS105

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

Sample details

Sample Name:	LoW Code:	
WS105	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m		
Moisture content:		
15.8%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 15.8% Dry Weight Moisture Correction applied (MC)





#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				11 mg/kg	1.32	12.542 mg/kg	0.00125 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				1.1 mg/kg	2.78	2.636 mg/kg	0.000264 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<2.781 mg/kg	<0.000278 %	✓	<LOD
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.14	<0.197 mg/kg	<0.00002 %	✓	<LOD
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
5	chromium in chromium(III) compounds { chromium(III) oxide }				21 mg/kg	1.46	26.505 mg/kg	0.00265 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.92	<3.321 mg/kg	<0.000332 %	✓	<LOD
	024-001-00-0	215-607-8	1333-82-0							
7	copper { dicopper oxide; copper (I) oxide }				24 mg/kg	1.13	23.334 mg/kg	0.00233 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	23 mg/kg	1.56	30.981 mg/kg	0.001986 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<1 mg/kg	1.35	<1.169 mg/kg	<0.000117 %	✓	<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				24 mg/kg	2.98	61.684 mg/kg	0.00617 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.55	<6.616 mg/kg	<0.000662 %	✓	<LOD
	034-002-00-8									
12	zinc { zinc chromate }				72 mg/kg	2.77	172.486 mg/kg	0.0172 %	✓	
	024-007-00-3									
13	TPH (C6 to C40) petroleum group				<42 mg/kg		<36.269 mg/kg	<0.00363 %	✓	<LOD
			TPH							




#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
14	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000173 %	✓	<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.005 mg/kg		<0.004 mg/kg	<0.00000432 %	✓	<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000173 %	✓	<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.00000173 %	✓	<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	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 }				<0.002 mg/kg	1.88	<0.003 mg/kg	<0.00000325 %	✓	<LOD
	006-007-00-5									
19	pH				6.3 pH		6.3 pH	6.3 pH		
			PH							
20	naphthalene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
		201-469-6	83-32-9							
23	fluorene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
		201-581-5	85-01-8							
25	anthracene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
		205-912-4	206-44-0							
27	pyrene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
		204-927-3	129-00-0							
28	benzo[a]anthracene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.1 mg/kg		<0.086 mg/kg	<0.000008636 %	✓	<LOD
		205-883-8	191-24-2							
36	phenol				<2 mg/kg		<1.727 mg/kg	<0.000173 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0373 %		



Key

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

Classification of sample: WS106

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

Sample details

Sample Name:	WS106	LoW Code:	
Sample Depth:	0.40 m	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	13.9%	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
	(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 13.9% Dry Weight Moisture Correction applied (MC)

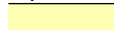



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				4 mg/kg	1.32	4.637 mg/kg	0.000464 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				1.5 mg/kg	2.78	3.655 mg/kg	0.000365 %	✓	
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide; boric oxide }				<1 mg/kg	3.22	<2.827 mg/kg	<0.000283 %	✓	<LOD
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				<0.2 mg/kg	1.14	<0.201 mg/kg	<0.00002 %	✓	<LOD
	048-002-00-0	231-152-8 [1] 215-146-2 [2]	7440-43-9 [1] 1306-19-0 [2]							
5	chromium in chromium(III) compounds { chromium(III) oxide }				26 mg/kg	1.46	33.363 mg/kg	0.00334 %	✓	
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.92	<3.377 mg/kg	<0.000338 %	✓	<LOD
	024-001-00-0	215-607-8	1333-82-0							
7	copper { dicopper oxide; copper (I) oxide }				34 mg/kg	1.13	33.609 mg/kg	0.00336 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	27 mg/kg	1.56	36.975 mg/kg	0.002371 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				<1 mg/kg	1.35	<1.188 mg/kg	<0.000119 %	✓	<LOD
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				42 mg/kg	2.98	109.748 mg/kg	0.011 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3 mg/kg	2.55	<6.726 mg/kg	<0.000673 %	✓	<LOD
	034-002-00-8									
12	zinc { zinc chromate }				98 mg/kg	2.77	238.689 mg/kg	0.0239 %	✓	
	024-007-00-3									
13	TPH (C6 to C40) petroleum group				<42 mg/kg		<36.874 mg/kg	<0.00369 %	✓	<LOD
			TPH							



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
14	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.000000176 %	✓	<LOD
	601-020-00-8	200-753-7	71-43-2							
15	toluene				<0.005 mg/kg		<0.004 mg/kg	<0.000000439 %	✓	<LOD
	601-021-00-3	203-625-9	108-88-3							
16	ethylbenzene				<0.002 mg/kg		<0.002 mg/kg	<0.000000176 %	✓	<LOD
	601-023-00-4	202-849-4	100-41-4							
17	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.000000176 %	✓	<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	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 }				<0.002 mg/kg	1.88	<0.003 mg/kg	<0.000000331 %	✓	<LOD
	006-007-00-5									
19	pH				5.5 pH		5.5 pH	5.5 pH		
			PH							
20	naphthalene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
		201-469-6	83-32-9							
23	fluorene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
		201-581-5	85-01-8							
25	anthracene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
		205-912-4	206-44-0							
27	pyrene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
		204-927-3	129-00-0							
28	benzo[a]anthracene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.1 mg/kg		<0.088 mg/kg	<0.00000878 %	✓	<LOD
		205-883-8	191-24-2							
36	phenol				<2 mg/kg		<1.756 mg/kg	<0.000176 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0502 %		



Key

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

Appendix A: Classifier defined and non CLP determinands

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

Conversion factor: 1.462

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 7/17/2015

Risk Phrases: R20 , R22 , R36 , R37 , R38 , R42 , R43 , R50/53 , R60 , R61

Hazard Statements: Acute Tox. 4 H332 , Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Resp. Sens. 1 H334 , Skin Sens. 1 H317 , Repr. 1B H360FD , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

CLP index number: 029-002-00-X

Data source: Regulation (EU) 2016/1179 of 19 July 2016 (ATP9)

Additional Risk Phrases: N R50/53 , N R50/53 >= 0.25 %

Additional Hazard Statement(s): None.

Reason for additional Hazards Statement(s)/Risk Phrase(s):

10/10/2016 - N R50/53 risk phrase sourced from: WM3 v1 still uses ecotoxic risk phrases

10/10/2016 - N R50/53 >= 0.25 % risk phrase sourced from: WM3 v1 still uses ecotoxic risk phrases

• **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: 5/25/2015

Risk Phrases: R10 , R45 , R46 , R51/53 , R63 , R65

Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , STOT RE 2 H373 , Muta. 1B H340 , Carc. 1B H350 , Repr. 2 H361d , Aquatic Chronic 2 H411

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

CLP index number: 601-023-00-4

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Risk Phrases: None.

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s)/Risk Phrase(s):

6/3/2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

CLP index number: 006-007-00-5

Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)

Additional Risk Phrases: None.

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s)/Risk Phrase(s):

12/14/2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

• **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 5/25/2015

Risk Phrases: None.

Hazard Statements: None.

• **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: 7/17/2015

Risk Phrases: R22 , R26 , R27 , R36 , R37 , R38

Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 7/17/2015
Risk Phrases: R36 , R37 , R38 , N R50/53 , N R51/53
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 8/6/2015
Risk Phrases: N R50/53
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 8/6/2015
Risk Phrases: R22 , R36 , R37 , R38 , R40 , R43 , N R50/53
Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 7/17/2015
Risk Phrases: R36 , R37 , R38 , R43 , N R50/53
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 8/21/2015
Risk Phrases: Xn R22 , N R50/53
Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 8/21/2015
Risk Phrases: Xi R36/37/38 , N R50/53
Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

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

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 8/6/2015
Risk Phrases: R40
Hazard Statements: Carc. 2 H351

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

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 7/23/2015
Risk Phrases: N R50/53
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

Appendix B: Rationale for selection of metal species

arsenic (arsenic trioxide)

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

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics (edit as required)

boron {diboron trioxide; boric oxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass (edit as required)

cadmium {cadmium oxide}

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

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

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

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

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

copper {dicopper oxide; copper (I) oxide}

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

lead {lead chromate}

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

mercury {mercury dichloride}

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

nickel {nickel chromate}

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

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

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

zinc {zinc chromate}

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

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}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide] (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition, May 2015

HazWasteOnline Classification Engine Version: 2017.55.3206.6376 (24 Feb 2017)

HazWasteOnline Database: 2017.55.3206.6376 (24 Feb 2017)



This classification utilises the following guidance and legislation:

WM3 - Waste Classification - May 2015

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

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

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

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

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

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

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

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

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

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

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

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

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

POPs Regulation 2004 - Regulation 850/2004/EC of 29 April 2004

1st ATP to POPs Regulation - Regulation 756/2010/EU of 24 August 2010

2nd ATP to POPs Regulation - Regulation 757/2010/EU of 24 August 2010