

Waste Classification Report



GHNZT-CHLVF-P5YTW

Job name

15937 - Newhouse School, Hanworth Road, Hampton TW12 3LT

Description/Comments

Project

15937

Site

Newhouse School, Hanworth Road, Hampton TW12 3LT

Waste Stream Template

Soils Suite 2 March 2014

Classified by

Name:
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Date:
1/23/2017 10:42:03 AM UTC
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Report

Created by: Luke Wilkinson
Created date: 1/23/2017 10:42 UTC

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	WS1/0.20		Non Hazardous		2
2	WS1/0.80		Non Hazardous		4
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Classification of sample: WS1/0.20

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

Sample details

Sample Name:	LoW Code:	
WS1/0.20	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 m		
Moisture content:		
0%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 0% 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	•	pH			6.3 pH		6.3 pH	6.3 pH		
2	•	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }			<2 mg/kg	1.88	<3.768 mg/kg	<0.000377 %	✓	<LOD
3	•	antimony { antimony pentachloride }			2.5 mg/kg	2.46	6.14 mg/kg	0.000614 %	✓	
4	•	arsenic { arsenic trioxide }			14 mg/kg	1.32	18.485 mg/kg	0.00185 %	✓	
5	•	beryllium { beryllium oxide }			0.6 mg/kg	2.78	1.665 mg/kg	0.000167 %	✓	
6	•	boron { boron tribromide/trichloride/trifluoride (combined) }			2.6 mg/kg	13.43	34.918 mg/kg	0.00349 %	✓	
7	•	cadmium { cadmium sulfide }		1	<0.2 mg/kg	1.29	<0.257 mg/kg	<0.00002 %	✓	<LOD
8	•	chromium in chromium(III) compounds { chromium(III) oxide }			16 mg/kg	1.46	23.385 mg/kg	0.00234 %	✓	
9	•	chromium in chromium(VI) compounds { chromium(VI) oxide }			<2 mg/kg	1.92	<3.846 mg/kg	<0.000385 %	✓	<LOD
10	•	copper { dicopper oxide; copper (I) oxide }			34 mg/kg	1.13	38.28 mg/kg	0.00383 %	✓	
11	•	lead { lead chromate }		1	211 mg/kg	1.56	329.121 mg/kg	0.0211 %	✓	
12	•	mercury { mercury dichloride }			<1 mg/kg	1.35	<1.353 mg/kg	<0.000135 %	✓	<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
13	nickel { nickel dihydroxide }				10	mg/kg	1.58	15.795	mg/kg	0.00158 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3	mg/kg	2.55	<7.661	mg/kg	<0.000766 %	✓	<LOD
	034-002-00-8											
15	vanadium { divanadium pentaoxide; vanadium pentoxide }				31	mg/kg	1.79	55.341	mg/kg	0.00553 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
16	zinc { zinc chromate }				103	mg/kg	2.77	285.737	mg/kg	0.0286 %	✓	
	024-007-00-3											
17	phenol				<2	mg/kg		<2	mg/kg	<0.0002 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2									
18	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-917-1	208-96-8									
20	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		201-469-6	83-32-9									
21	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		201-695-5	86-73-7									
22	phenanthrene				0.19	mg/kg		0.19	mg/kg	0.000019 %	✓	
		201-581-5	85-01-8									
23	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		204-371-1	120-12-7									
24	fluoranthene				0.51	mg/kg		0.51	mg/kg	0.000051 %	✓	
		205-912-4	206-44-0									
25	pyrene				0.43	mg/kg		0.43	mg/kg	0.000043 %	✓	
		204-927-3	129-00-0									
26	benzo[a]anthracene				0.16	mg/kg		0.16	mg/kg	0.000016 %	✓	
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				0.26	mg/kg		0.26	mg/kg	0.000026 %	✓	
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				0.35	mg/kg		0.35	mg/kg	0.000035 %	✓	
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				0.12	mg/kg		0.12	mg/kg	0.000012 %	✓	
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				0.19	mg/kg		0.19	mg/kg	0.000019 %	✓	
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-883-8	191-24-2									
Total:										0.0713 %		

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: WS1/0.80

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

Sample details

Sample Name:	LoW Code:	
WS1/0.80	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 m		
Moisture content:		
0%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 0% 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	pH				6.5 pH		6.5 pH	6.5 pH		
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<2 mg/kg	1.88	<3.768 mg/kg	<0.000377 %	✓	<LOD
3	antimony { antimony pentachloride }				1.2 mg/kg	2.46	2.947 mg/kg	0.000295 %	✓	
4	arsenic { arsenic trioxide }				7 mg/kg	1.32	9.242 mg/kg	0.000924 %	✓	
5	beryllium { beryllium oxide }				0.5 mg/kg	2.78	1.388 mg/kg	0.000139 %	✓	
6	boron { boron tribromide/trichloride/trifluoride (combined) }				<1 mg/kg	13.43	<13.43 mg/kg	<0.00134 %	✓	<LOD
7	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.29	<0.257 mg/kg	<0.00002 %	✓	<LOD
8	chromium in chromium(III) compounds { chromium(III) oxide }				12 mg/kg	1.46	17.539 mg/kg	0.00175 %	✓	
9	chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.92	<3.846 mg/kg	<0.000385 %	✓	<LOD
10	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.13	11.259 mg/kg	0.00113 %	✓	
11	lead { lead chromate }			1	21 mg/kg	1.56	32.756 mg/kg	0.0021 %	✓	
12	mercury { mercury dichloride }				<1 mg/kg	1.35	<1.353 mg/kg	<0.000135 %	✓	<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
13	nickel { nickel dihydroxide }				4	mg/kg	1.58	6.318	mg/kg	0.000632 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3	mg/kg	2.55	<7.661	mg/kg	<0.000766 %	✓	<LOD
	034-002-00-8											
15	vanadium { divanadium pentaoxide; vanadium pentoxide }				18	mg/kg	1.79	32.133	mg/kg	0.00321 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
16	zinc { zinc chromate }				21	mg/kg	2.77	58.257	mg/kg	0.00583 %	✓	
	024-007-00-3											
17	phenol				<2	mg/kg		<2	mg/kg	<0.0002 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2									
18	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-917-1	208-96-8									
20	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		201-469-6	83-32-9									
21	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		201-695-5	86-73-7									
22	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		201-581-5	85-01-8									
23	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		204-371-1	120-12-7									
24	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-912-4	206-44-0									
25	pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		204-927-3	129-00-0									
26	benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-883-8	191-24-2									
Total:										0.0194 %		

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: WS2/0.80

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

Sample details

Sample Name:	LoW Code:	
WS2/0.80	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 m		
Moisture content:		
0%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 0% 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	0		PH		6.3 pH		6.3 pH	6.3 pH		
2	006-007-00-5		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 mg/kg	1.88	<3.768 mg/kg	<0.000377 %	✓	<LOD
3	051-002-00-3	231-601-8	antimony { antimony pentachloride }		1.4 mg/kg	2.46	3.438 mg/kg	0.000344 %	✓	
4	033-003-00-0	215-481-4	arsenic { arsenic trioxide }		9 mg/kg	1.32	11.883 mg/kg	0.00119 %	✓	
5	004-003-00-8	215-133-1	beryllium { beryllium oxide }		0.5 mg/kg	2.78	1.388 mg/kg	0.000139 %	✓	
6			boron { boron tribromide/trichloride/trifluoride (combined) }		<1 mg/kg	13.43	<13.43 mg/kg	<0.00134 %	✓	<LOD
7	048-010-00-4	215-147-8	cadmium { cadmium sulfide }	1	<0.2 mg/kg	1.29	<0.257 mg/kg	<0.00002 %	✓	<LOD
8		215-160-9	chromium in chromium(III) compounds { chromium(III) oxide }		19 mg/kg	1.46	27.77 mg/kg	0.00278 %	✓	
9	024-001-00-0	215-607-8	chromium in chromium(VI) compounds { chromium(VI) oxide }		<2 mg/kg	1.92	<3.846 mg/kg	<0.000385 %	✓	<LOD
10	029-002-00-X	215-270-7	copper { dicopper oxide; copper (I) oxide }		19 mg/kg	1.13	21.392 mg/kg	0.00214 %	✓	
11	082-004-00-2	231-846-0	lead { lead chromate }	1	29 mg/kg	1.56	45.235 mg/kg	0.0029 %	✓	
12	080-010-00-X	231-299-8	mercury { mercury dichloride }		<1 mg/kg	1.35	<1.353 mg/kg	<0.000135 %	✓	<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
13	nickel { nickel dihydroxide }				7	mg/kg	1.58	11.056	mg/kg	0.00111 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3	mg/kg	2.55	<7.661	mg/kg	<0.000766 %	✓	<LOD
	034-002-00-8											
15	vanadium { divanadium pentaoxide; vanadium pentoxide }				30	mg/kg	1.79	53.556	mg/kg	0.00536 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
16	zinc { zinc chromate }				28	mg/kg	2.77	77.676	mg/kg	0.00777 %	✓	
	024-007-00-3											
17	phenol				<2	mg/kg		<2	mg/kg	<0.0002 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2									
18	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-917-1	208-96-8									
20	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		201-469-6	83-32-9									
21	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		201-695-5	86-73-7									
22	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		201-581-5	85-01-8									
23	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		204-371-1	120-12-7									
24	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-912-4	206-44-0									
25	pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		204-927-3	129-00-0									
26	benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-883-8	191-24-2									
Total:										0.0271 %		

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: WS3/0.20

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

Sample details

Sample Name:	LoW Code:	
WS3/0.20	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 m		
Moisture content:		
0%		
(dry weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 0% 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	• pH		PH		6.5 pH		6.5 pH	6.5 pH		
2	• cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<2 mg/kg	1.88	<3.768 mg/kg	<0.000377 %	✓	<LOD
		006-007-00-5								
3	• antimony { antimony pentachloride }				2.7 mg/kg	2.46	6.631 mg/kg	0.000663 %	✓	
		051-002-00-3	231-601-8	7647-18-9						
4	• arsenic { arsenic trioxide }				17 mg/kg	1.32	22.446 mg/kg	0.00224 %	✓	
		033-003-00-0	215-481-4	1327-53-3						
5	• beryllium { beryllium oxide }				0.8 mg/kg	2.78	2.22 mg/kg	0.000222 %	✓	
		004-003-00-8	215-133-1	1304-56-9						
6	• boron { boron tribromide/trichloride/trifluoride (combined) }				<1 mg/kg	13.43	<13.43 mg/kg	<0.00134 %	✓	<LOD
7	• cadmium { cadmium sulfide }			1	0.2 mg/kg	1.29	0.257 mg/kg	0.00002 %	✓	
		048-010-00-4	215-147-8	1306-23-6						
8	• chromium in chromium(III) compounds { chromium(III) oxide }				19 mg/kg	1.46	27.77 mg/kg	0.00278 %	✓	
			215-160-9	1308-38-9						
9	• chromium in chromium(VI) compounds { chromium(VI) oxide }				<2 mg/kg	1.92	<3.846 mg/kg	<0.000385 %	✓	<LOD
		024-001-00-0	215-607-8	1333-82-0						
10	• copper { dicopper oxide; copper (I) oxide }				36 mg/kg	1.13	40.532 mg/kg	0.00405 %	✓	
		029-002-00-X	215-270-7	1317-39-1						
11	• lead { lead chromate }			1	319 mg/kg	1.56	497.581 mg/kg	0.0319 %	✓	
		082-004-00-2	231-846-0	7758-97-6						
12	• mercury { mercury dichloride }				<1 mg/kg	1.35	<1.353 mg/kg	<0.000135 %	✓	<LOD
		080-010-00-X	231-299-8	7487-94-7						

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
13	nickel { nickel dihydroxide }				13	mg/kg	1.58	20.533	mg/kg	0.00205 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
14	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<3	mg/kg	2.55	<7.661	mg/kg	<0.000766 %	✓	<LOD
	034-002-00-8											
15	vanadium { divanadium pentaoxide; vanadium pentoxide }				36	mg/kg	1.79	64.267	mg/kg	0.00643 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
16	zinc { zinc chromate }				120	mg/kg	2.77	332.898	mg/kg	0.0333 %	✓	
	024-007-00-3											
17	phenol				<2	mg/kg		<2	mg/kg	<0.0002 %	✓	<LOD
	604-001-00-2	203-632-7	108-95-2									
18	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		205-917-1	208-96-8									
20	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		201-469-6	83-32-9									
21	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
		201-695-5	86-73-7									
22	phenanthrene				0.6	mg/kg		0.6	mg/kg	0.00006 %	✓	
		201-581-5	85-01-8									
23	anthracene				0.12	mg/kg		0.12	mg/kg	0.000012 %	✓	
		204-371-1	120-12-7									
24	fluoranthene				1.85	mg/kg		1.85	mg/kg	0.000185 %	✓	
		205-912-4	206-44-0									
25	pyrene				1.58	mg/kg		1.58	mg/kg	0.000158 %	✓	
		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				0.92	mg/kg		0.92	mg/kg	0.000092 %	✓	
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				1.15	mg/kg		1.15	mg/kg	0.000115 %	✓	
	601-034-00-4	205-911-9	205-99-2									
29	benzo[k]fluoranthene				0.43	mg/kg		0.43	mg/kg	0.000043 %	✓	
	601-036-00-5	205-916-6	207-08-9									
30	benzo[a]pyrene; benzo[def]chrysene				0.81	mg/kg		0.81	mg/kg	0.000081 %	✓	
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				0.46	mg/kg		0.46	mg/kg	0.000046 %	✓	
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %	✓	<LOD
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				0.39	mg/kg		0.39	mg/kg	0.000039 %	✓	
		205-883-8	191-24-2									
Total:										0.0878 %		

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

- **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.

- **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

- **boron tribromide/trichloride/trifluoride (combined)** (CAS Number: 10294-33-4, 10294-34-5, 7637-07-2)

Conversion factor: 13.43
Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride
Data source: N/A
Data source date: 8/6/2015
Risk Phrases: R14 , T+ R26/28 , C R34 , C R35
Hazard Statements: EUH014 , Acute Tox. 2 H330 , Acute Tox. 2 H300 , Skin Corr. 1A H314 , Skin Corr. 1B H314

- **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

- **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

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 species

antimony {antimony pentachloride}

Worst case species based on risk phrases

arsenic {arsenic trioxide}

Worst case species based on risk phrases

beryllium {beryllium oxide}

Worst case species based on risk phrases

boron {boron tribromide/trichloride/trifluoride (combined)}

Worst case species based on risk phrases

cadmium {cadmium sulfide}

Worst case species based on risk phrases

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

Testing suite

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

Testing suite

copper {dicopper oxide; copper (I) oxide}

Most likely common species

lead {lead chromate}

Worst case species based on risk phrases

mercury {mercury dichloride}

Worst case species based on risk phrases

nickel {nickel dihydroxide}

Worst case species based on risk phrases

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

Worst case species based on risk phrases

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species based on risk phrases

zinc {zinc chromate}

Worst case

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition, May 2015
 HazWasteOnline Classification Engine Version: 2017.9.3184.6334 (09 Jan 2017)
 HazWasteOnline Database: 2017.9.3184.6334 (09 Jan 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