

Waste Classification Report

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

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



56JA4-U3DVQ-707K6

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

Report is invalid if pages are removed.

Job name

25-46250

Description/Comments

Project

Standard Aero

Site

Vector Aerospace International Ltd

Classified by

Name: **Daniel Dockree**
Date: **24 Jan 2025 15:07 GMT**
Telephone: **01329 287777**
Company: **Envirochem Analytical Laboratories Ltd**
12 The Gardens, Broadcut
Fareham
PO16 8SS

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

HazWasteOnline™ Certification:

CERTIFIED

Course

Hazardous Waste Classification

Date

06 Apr 2023

Next 3 year Refresher due by Apr 2026

Purpose of classification

7 - Disposal of Waste

Address of the waste

Vector Aerospace International Limited, Building 97 Fareham Road Gosport, Hampshire

Post Code PO13 0AA

SIC for the process giving rise to the waste

33160 Repair and maintenance of aircraft and spacecraft

Description of industry/producer giving rise to the waste

Aircraft engine repair & overhaul

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

Water rinsing from cleaning bay tanks

Description of the waste

Water

Job summary

#	Sample name	Classification Result	Hazard properties	Page
1	SP10	Non Hazardous		3
2	SP11	Non Hazardous		6
3	SP15	Hazardous	HP 8	9
4	SP16	Non Hazardous		12
5	SP17	Non Hazardous		15
6	SP18	Non Hazardous		18
7	SP19	Non Hazardous		21
8	SP20	Non Hazardous		24
9	SP21	Non Hazardous		27

Related documents

#	Name	Description
1	Aqueous Rinsings	waste stream template used to create this Job

Report

Created by: Daniel Dockree

Created date: 24 Jan 2025 15:07 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	30
Appendix B: Rationale for selection of metal species	31
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Classification of sample: SP10

✓ **Non Hazardous Waste**
Classified as **11 01 12**
in the List of Waste

Sample details

Sample name: **SP10** LoW Code: Chapter: **11: Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy**
Entry: **11 01 12 (aqueous rinsing liquids other than those mentioned in 11 01 11)**

Hazard properties

None identified

Determinands

Density of the liquid: 1 g/cm³

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH				7.59	pH		7.59	pH	7.59 pH		
2	antimony { antimony trioxide }				<0.01	mg/l	1.197	<0.012	mg/kg	<0.0000012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4									
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				<0.02	mg/l	1.895	<0.0379	mg/kg	<0.00000379 %		<LOD
	033-005-00-1											
4	barium { barium oxide }				<0.01	mg/l	1.117	<0.0112	mg/kg	<0.00000112 %		<LOD
		215-127-9	1304-28-5									
5	boron { boron tribromide }				<0.1	mg/l	23.173	<2.317	mg/kg	<0.000232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
6	cadmium { cadmium sulfate }				<0.003	mg/l	1.855	<0.0055	mg/kg	<0.00000556 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				<0.01	mg/l	1.462	<0.0146	mg/kg	<0.00000146 %		<LOD
		215-160-9	1308-38-9									
8	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.1	mg/l	2.27	<0.227	mg/kg	<0.0000227 %		<LOD
	024-017-00-8											
9	cobalt { cobalt dinitrate }			1	<0.02	mg/l	3.104	<0.0621	mg/kg	<0.000002 %		<LOD
	027-009-00-2	233-402-1	10141-05-6									
10	copper { copper sulphate pentahydrate }				<0.02	mg/l	3.929	<0.0786	mg/kg	<0.00000786 %		<LOD
	029-023-00-4	231-847-6	7758-99-8									
11	lead { lead chromate }			1	<0.02	mg/l	1.56	<0.0312	mg/kg	<0.000002 %		<LOD
	082-004-00-2	231-846-0	7758-97-6									
12	manganese { manganese sulphate }				0.03	mg/l	2.749	0.0825	mg/kg	0.00000825 %		
	025-003-00-4	232-089-9	7785-87-7									
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.005	mg/l		<0.005	mg/kg	<0.0000005 %		<LOD
	080-002-00-6											
14	molybdenum { molybdenum(VI) oxide }				<0.02	mg/l	1.5	<0.03	mg/kg	<0.000003 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
15	nickel { nickel diiodide }				<0.02	mg/l	5.324	<0.106	mg/kg	<0.0000106 %		<LOD
	028-029-00-4	236-666-6	13462-90-3									

#	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	selenium { nickel selenate }				<0.01 mg/l	2.554	<0.0255 mg/kg	<0.00000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
17	thallium { thallium compounds, with the exception of those specified elsewhere in this Annex }				<0.02 mg/l	1.284	<0.0257 mg/kg	<0.00000257 %		<LOD
	081-002-00-9									
18	vanadium { divanadium pentaoxide; vanadium pentoxide }				<0.01 mg/l	1.785	<0.0179 mg/kg	<0.00000179 %		<LOD
	023-001-00-8	215-239-8	1314-62-1							
19	zinc { zinc chromate }				0.11 mg/l	2.774	0.305 mg/kg	0.0000305 %		
	024-007-00-3	236-878-9	13530-65-9							
20	naphthalene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-927-3	129-00-0							
28	benz[a]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-883-8	191-24-2							
36	TPH (C6 to C40) petroleum group				0.11 mg/l		0.11 mg/kg	0.000011 %		
			TPH							
37	confirm TPH has NOT arisen from diesel or petrol				☒					
38	benzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
39	ethylbenzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
40	xylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<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]							
41	toluene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
42	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	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	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 }				<0.05 mg/l	1.884	<0.0942 mg/kg	<0.00000942 %		<LOD
	006-007-00-5									
44	phenol				<0.5 mg/l		<0.5 mg/kg	<0.00005 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00042 %		

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): 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 for cumulative determinand results below the threshold of: 1000 mg/l (0.1%) because: TPH chromatogram clearly shows that TPH present is not from petrol or diesel. TPHs present are from heavier fractions and no free-flowing oils are present in the sample. HP 3 flammable does not apply here. Threshold increased to 1000mg/L to account for HP 7 and HP 11

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00001%)

Classification of sample: SP11



Non Hazardous Waste
Classified as **11 01 12**
in the List of Waste

Sample details

Sample name:	LoW Code:
SP11	Chapter: 11: Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy
Entry:	11 01 12 (aqueous rinsing liquids other than those mentioned in 11 01 11)

Hazard properties

None identified

Determinands

Density of the liquid: 1 g/cm³

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH		PH		7.19	pH		7.19	pH	7.19 pH		
2	antimony { antimony trioxide }				<0.01	mg/l	1.197	<0.012	mg/kg	<0.0000012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4									
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				<0.02	mg/l	1.895	<0.0379	mg/kg	<0.00000379 %		<LOD
	033-005-00-1											
4	barium { barium oxide }				<0.01	mg/l	1.117	<0.0112	mg/kg	<0.00000112 %		<LOD
		215-127-9	1304-28-5									
5	boron { boron tribromide }				<0.1	mg/l	23.173	<2.317	mg/kg	<0.000232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
6	cadmium { cadmium sulfate }				<0.003	mg/l	1.855	<0.0055	mg/kg	<0.00000556 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				<0.01	mg/l	1.462	<0.0146	mg/kg	<0.00000146 %		<LOD
		215-160-9	1308-38-9									
8	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.1	mg/l	2.27	<0.227	mg/kg	<0.0000227 %		<LOD
	024-017-00-8											
9	cobalt { cobalt dinitrate }			1	<0.02	mg/l	3.104	<0.0621	mg/kg	<0.000002 %		<LOD
	027-009-00-2	233-402-1	10141-05-6									
10	copper { copper sulphate pentahydrate }				<0.02	mg/l	3.929	<0.0786	mg/kg	<0.00000786 %		<LOD
	029-023-00-4	231-847-6	7758-99-8									
11	lead { lead chromate }			1	<0.02	mg/l	1.56	<0.0312	mg/kg	<0.000002 %		<LOD
	082-004-00-2	231-846-0	7758-97-6									
12	manganese { manganese sulphate }				<0.02	mg/l	2.749	<0.055	mg/kg	<0.0000055 %		<LOD
	025-003-00-4	232-089-9	7785-87-7									
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.005	mg/l		<0.005	mg/kg	<0.0000005 %		<LOD
	080-002-00-6											
14	molybdenum { molybdenum(VI) oxide }				<0.02	mg/l	1.5	<0.03	mg/kg	<0.000003 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
15	nickel { nickel diiodide }				<0.02	mg/l	5.324	<0.106	mg/kg	<0.0000106 %		<LOD
	028-029-00-4	236-666-6	13462-90-3									

#	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	selenium { nickel selenate }				<0.01 mg/l	2.554	<0.0255 mg/kg	<0.00000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
17	thallium { thallium compounds, with the exception of those specified elsewhere in this Annex }				<0.02 mg/l	1.284	<0.0257 mg/kg	<0.00000257 %		<LOD
	081-002-00-9									
18	vanadium { divanadium pentaoxide; vanadium pentoxide }				<0.01 mg/l	1.785	<0.0179 mg/kg	<0.00000179 %		<LOD
	023-001-00-8	215-239-8	1314-62-1							
19	zinc { zinc chromate }				<0.1 mg/l	2.774	<0.277 mg/kg	<0.0000277 %		<LOD
	024-007-00-3	236-878-9	13530-65-9							
20	naphthalene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-927-3	129-00-0							
28	benz[a]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-883-8	191-24-2							
36	TPH (C6 to C40) petroleum group				0.77 mg/l		0.77 mg/kg	0.000077 %		
			TPH							
37	confirm TPH has NOT arisen from diesel or petrol				☒					
38	benzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
39	ethylbenzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
40	xylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<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]							
41	toluene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
42	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	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	 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 }				<0.05 mg/l	1.884	<0.0942 mg/kg	<0.00000942 %		<LOD
	006-007-00-5									
44	phenol				<0.5 mg/l		<0.5 mg/kg	<0.00005 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00048 %		

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): 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 for cumulative determinand results below the threshold of: 1000 mg/l (0.1%) because: TPH chromatogram clearly shows that TPH present is not from petrol or diesel. TPHs present are from heavier fractions and no free-flowing oils are present in the sample. HP 3 flammable does not apply here. Threshold increased to 1000mg/L to account for HP 7 and HP 11

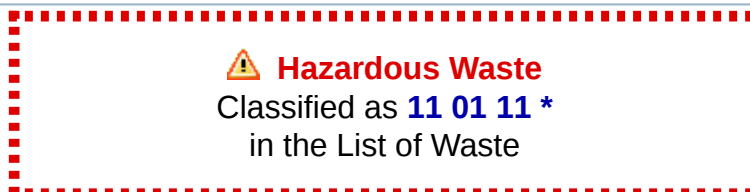
Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00007%)

Classification of sample: SP15



Sample details

Sample name:	LoW Code:
SP15	Chapter: 11: Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy
Entry:	11 01 11 * (aqueous rinsing liquids containing hazardous substances)

Hazard properties

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH (conc.: 13.1 pH)

Determinands

Density of the liquid: 1 g/cm³

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				13.1 pH		13.1 pH	13.1 pH		
2	antimony { antimony trioxide }				0.278 mg/l	1.197	0.333 mg/kg	0.0000333 %		
	051-005-00-X	215-175-0	1309-64-4							
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				<0.02 mg/l	1.895	<0.0379 mg/kg	<0.00000379 %		<LOD
	033-005-00-1									
4	barium { barium oxide }				0.026 mg/l	1.117	0.029 mg/kg	0.0000029 %		
		215-127-9	1304-28-5							
5	boron { boron tribromide }				0.16 mg/l	23.173	3.708 mg/kg	0.000371 %		
	005-003-00-0	233-657-9	10294-33-4							
6	cadmium { cadmium sulfate }				<0.003 mg/l	1.855	<0.0055 mg/kg	<0.000000556 %		<LOD
	048-009-00-9	233-331-6	10124-36-4							
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				2.92 mg/l	1.462	4.268 mg/kg	0.000427 %		
		215-160-9	1308-38-9							
8	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.1 mg/l	2.27	<0.227 mg/kg	<0.0000227 %		<LOD
	024-017-00-8									
9	cobalt { cobalt dinitrate }			1	<0.02 mg/l	3.104	<0.0621 mg/kg	<0.000002 %		<LOD
	027-009-00-2	233-402-1	10141-05-6							
10	copper { copper sulphate pentahydrate }				0.025 mg/l	3.929	0.0982 mg/kg	0.00000982 %		
	029-023-00-4	231-847-6	7758-99-8							
11	lead { lead chromate }			1	<0.02 mg/l	1.56	<0.0312 mg/kg	<0.000002 %		<LOD
	082-004-00-2	231-846-0	7758-97-6							
12	manganese { manganese sulphate }				1.71 mg/l	2.749	4.7 mg/kg	0.00047 %		
	025-003-00-4	232-089-9	7785-87-7							

#	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								
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.005 mg/l		<0.005 mg/kg	<0.0000005 %			<LOD
	080-002-00-6										
14	molybdenum { molybdenum(VI) oxide }				31.7 mg/l	1.5	47.556 mg/kg	0.00476 %			
	042-001-00-9	215-204-7	1313-27-5								
15	nickel { nickel diiodide }				0.091 mg/l	5.324	0.485 mg/kg	0.0000485 %			
	028-029-00-4	236-666-6	13462-90-3								
16	selenium { nickel selenate }				0.323 mg/l	2.554	0.825 mg/kg	0.0000825 %			
	028-031-00-5	239-125-2	15060-62-5								
17	thallium { thallium compounds, with the exception of those specified elsewhere in this Annex }				<0.02 mg/l	1.284	<0.0257 mg/kg	<0.00000257 %			<LOD
	081-002-00-9										
18	vanadium { divanadium pentaoxide; vanadium pentoxide }				0.059 mg/l	1.785	0.105 mg/kg	0.0000105 %			
	023-001-00-8	215-239-8	1314-62-1								
19	zinc { zinc chromate }				<0.1 mg/l	2.774	<0.277 mg/kg	<0.0000277 %			<LOD
	024-007-00-3	236-878-9	13530-65-9								
20	naphthalene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
21	acenaphthylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
		205-917-1	208-96-8								
22	acenaphthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
		201-469-6	83-32-9								
23	fluorene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
		201-695-5	86-73-7								
24	phenanthrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
		201-581-5	85-01-8								
25	anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
		204-371-1	120-12-7								
26	fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
		205-912-4	206-44-0								
27	pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
		204-927-3	129-00-0								
28	benz[a]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
	601-033-00-9	200-280-6	56-55-3								
29	chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
30	benzo[b]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
	601-034-00-4	205-911-9	205-99-2								
31	benzo[k]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
	601-036-00-5	205-916-6	207-08-9								
32	benzo[a]pyrene; benzo[def]chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
	601-032-00-3	200-028-5	50-32-8								
33	indeno[123-cd]pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
		205-893-2	193-39-5								
34	dibenz[a,h]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
35	benzo[ghi]perylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
		205-883-8	191-24-2								
36	TPH (C6 to C40) petroleum group				2.95 mg/l		2.95 mg/kg	0.000295 %			
			TPH								
37	confirm TPH has NOT arisen from diesel or petrol				☒						
38	benzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
39	ethylbenzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								

#		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	xylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<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]								
41	toluene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD	
	601-021-00-3	203-625-9	108-88-3								
42	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD	
	603-181-00-X	216-653-1	1634-04-4								
43	 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 }				<0.05 mg/l	1.884	<0.0942 mg/kg	<0.00000942 %		<LOD	
	006-007-00-5										
44	phenol				<0.5 mg/l		<0.5 mg/kg	<0.00005 %		<LOD	
	604-001-00-2	203-632-7	108-95-2								
Total:								0.00665 %			

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 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): 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 for cumulative determinand results below the threshold of: 1000 mg/l (0.1%) because: TPH chromatogram clearly shows that TPH present is not from petrol or diesel. TPHs present are from heavier fractions and no free-flowing oils are present in the sample. HP 3 flammable does not apply here. Threshold increased to 1000mg/L to account for HP 7 and HP 11

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00029%)

Classification of sample: SP16

✔ **Non Hazardous Waste**
Classified as **11 01 12**
in the List of Waste

Sample details

Sample name:	LoW Code:
SP16	Chapter: 11: Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy
Entry:	11 01 12 (aqueous rinsing liquids other than those mentioned in 11 01 11)

Hazard properties

None identified

Determinands

Density of the liquid: 1 g/cm³

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH		PH		7.29	pH		7.29	pH	7.29 pH		
2	antimony { antimony trioxide }				<0.01	mg/l	1.197	<0.012	mg/kg	<0.0000012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4									
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				<0.02	mg/l	1.895	<0.0379	mg/kg	<0.00000379 %		<LOD
	033-005-00-1											
4	barium { barium oxide }				0.026	mg/l	1.117	0.029	mg/kg	0.0000029 %		
		215-127-9	1304-28-5									
5	boron { boron tribromide }				<0.1	mg/l	23.173	<2.317	mg/kg	<0.000232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
6	cadmium { cadmium sulfate }				<0.003	mg/l	1.855	<0.0055	mg/kg	<0.00000556 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				<0.01	mg/l	1.462	<0.0146	mg/kg	<0.00000146 %		<LOD
		215-160-9	1308-38-9									
8	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.1	mg/l	2.27	<0.227	mg/kg	<0.0000227 %		<LOD
	024-017-00-8											
9	cobalt { cobalt dinitrate }			1	<0.02	mg/l	3.104	<0.0621	mg/kg	<0.000002 %		<LOD
	027-009-00-2	233-402-1	10141-05-6									
10	copper { copper sulphate pentahydrate }				<0.02	mg/l	3.929	<0.0786	mg/kg	<0.00000786 %		<LOD
	029-023-00-4	231-847-6	7758-99-8									
11	lead { lead chromate }			1	<0.02	mg/l	1.56	<0.0312	mg/kg	<0.000002 %		<LOD
	082-004-00-2	231-846-0	7758-97-6									
12	manganese { manganese sulphate }				0.215	mg/l	2.749	0.591	mg/kg	0.0000591 %		
	025-003-00-4	232-089-9	7785-87-7									
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.005	mg/l		<0.005	mg/kg	<0.0000005 %		<LOD
	080-002-00-6											
14	molybdenum { molybdenum(VI) oxide }				<0.02	mg/l	1.5	<0.03	mg/kg	<0.000003 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
15	nickel { nickel diiodide }				<0.02	mg/l	5.324	<0.106	mg/kg	<0.0000106 %		<LOD
	028-029-00-4	236-666-6	13462-90-3									

#	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	selenium { nickel selenate }				<0.01 mg/l	2.554	<0.0255 mg/kg	<0.00000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
17	thallium { thallium compounds, with the exception of those specified elsewhere in this Annex }				<0.02 mg/l	1.284	<0.0257 mg/kg	<0.00000257 %		<LOD
	081-002-00-9									
18	vanadium { divanadium pentaoxide; vanadium pentoxide }				<0.01 mg/l	1.785	<0.0179 mg/kg	<0.00000179 %		<LOD
	023-001-00-8	215-239-8	1314-62-1							
19	zinc { zinc chromate }				<0.1 mg/l	2.774	<0.277 mg/kg	<0.0000277 %		<LOD
	024-007-00-3	236-878-9	13530-65-9							
20	naphthalene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-927-3	129-00-0							
28	benz[a]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-883-8	191-24-2							
36	TPH (C6 to C40) petroleum group				0.31 mg/l		0.31 mg/kg	0.000031 %		
			TPH							
37	confirm TPH has NOT arisen from diesel or petrol				☒					
38	benzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
39	ethylbenzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
40	xylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<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]							
41	toluene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
42	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	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	 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 }				<0.05 mg/l	1.884	<0.0942 mg/kg	<0.00000942 %		<LOD
	006-007-00-5									
44	phenol				<0.5 mg/l		<0.5 mg/kg	<0.00005 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00049 %		

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): 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 for cumulative determinand results below the threshold of: 1000 mg/l (0.1%) because: TPH chromatogram clearly shows that TPH present is not from petrol or diesel. TPHs present are from heavier fractions and no free-flowing oils are present in the sample. HP 3 flammable does not apply here. Threshold increased to 1000mg/L to account for HP 7 and HP 11

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00003%)

Classification of sample: SP17

✔ **Non Hazardous Waste**
Classified as **11 01 12**
in the List of Waste

Sample details

Sample name:	LoW Code:
SP17	Chapter:
	Entry:
	11: Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy 11 01 12 (aqueous rinsing liquids other than those mentioned in 11 01 11)

Hazard properties

None identified

Determinands

Density of the liquid: 1 g/cm³

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH				8.14	pH		8.14	pH	8.14 pH		
2	antimony { antimony trioxide }				<0.01	mg/l	1.197	<0.012	mg/kg	<0.0000012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4									
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				<0.02	mg/l	1.895	<0.0379	mg/kg	<0.00000379 %		<LOD
	033-005-00-1											
4	barium { barium oxide }				<0.01	mg/l	1.117	<0.0112	mg/kg	<0.00000112 %		<LOD
		215-127-9	1304-28-5									
5	boron { boron tribromide }				<0.1	mg/l	23.173	<2.317	mg/kg	<0.000232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
6	cadmium { cadmium sulfate }				<0.003	mg/l	1.855	<0.0055	mg/kg	<0.000000556 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				<0.01	mg/l	1.462	<0.0146	mg/kg	<0.00000146 %		<LOD
		215-160-9	1308-38-9									
8	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.1	mg/l	2.27	<0.227	mg/kg	<0.0000227 %		<LOD
	024-017-00-8											
9	cobalt { cobalt dinitrate }			1	<0.02	mg/l	3.104	<0.0621	mg/kg	<0.000002 %		<LOD
	027-009-00-2	233-402-1	10141-05-6									
10	copper { copper sulphate pentahydrate }				<0.02	mg/l	3.929	<0.0786	mg/kg	<0.00000786 %		<LOD
	029-023-00-4	231-847-6	7758-99-8									
11	lead { lead chromate }			1	<0.02	mg/l	1.56	<0.0312	mg/kg	<0.000002 %		<LOD
	082-004-00-2	231-846-0	7758-97-6									
12	manganese { manganese sulphate }				<0.02	mg/l	2.749	<0.055	mg/kg	<0.0000055 %		<LOD
	025-003-00-4	232-089-9	7785-87-7									
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.005	mg/l		<0.005	mg/kg	<0.0000005 %		<LOD
	080-002-00-6											
14	molybdenum { molybdenum(VI) oxide }				<0.02	mg/l	1.5	<0.03	mg/kg	<0.000003 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
15	nickel { nickel diiodide }				<0.02	mg/l	5.324	<0.106	mg/kg	<0.0000106 %		<LOD
	028-029-00-4	236-666-6	13462-90-3									

#	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	selenium { nickel selenate }				<0.01 mg/l	2.554	<0.0255 mg/kg	<0.00000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
17	thallium { thallium compounds, with the exception of those specified elsewhere in this Annex }				<0.02 mg/l	1.284	<0.0257 mg/kg	<0.00000257 %		<LOD
	081-002-00-9									
18	vanadium { divanadium pentaoxide; vanadium pentoxide }				<0.01 mg/l	1.785	<0.0179 mg/kg	<0.00000179 %		<LOD
	023-001-00-8	215-239-8	1314-62-1							
19	zinc { zinc chromate }				<0.1 mg/l	2.774	<0.277 mg/kg	<0.0000277 %		<LOD
	024-007-00-3	236-878-9	13530-65-9							
20	naphthalene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-927-3	129-00-0							
28	benz[a]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-883-8	191-24-2							
36	TPH (C6 to C40) petroleum group				<0.1 mg/l		<0.1 mg/kg	<0.00001 %		<LOD
			TPH							
37	confirm TPH has NOT arisen from diesel or petrol				☒					
38	benzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
39	ethylbenzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
40	xylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<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]							
41	toluene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
42	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#		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		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 }				<0.05 mg/l	1.884	<0.0942 mg/kg	<0.00000942 %		<LOD
		006-007-00-5									
44		phenol				<0.5 mg/l		<0.5 mg/kg	<0.00005 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
Total:									0.00041 %		

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: SP18

✔ **Non Hazardous Waste**
Classified as **11 01 12**
in the List of Waste

Sample details

Sample name:	LoW Code:
SP18	Chapter: 11: Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy
Entry:	11 01 12 (aqueous rinsing liquids other than those mentioned in 11 01 11)

Hazard properties

None identified

Determinands

Density of the liquid: 1 g/cm³

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH		PH		7.11	pH		7.11	pH	7.11 pH		
2	antimony { antimony trioxide }				<0.01	mg/l	1.197	<0.012	mg/kg	<0.0000012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4									
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				<0.02	mg/l	1.895	<0.0379	mg/kg	<0.00000379 %		<LOD
	033-005-00-1											
4	barium { barium oxide }				<0.01	mg/l	1.117	<0.0112	mg/kg	<0.00000112 %		<LOD
		215-127-9	1304-28-5									
5	boron { boron tribromide }				<0.1	mg/l	23.173	<2.317	mg/kg	<0.000232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
6	cadmium { cadmium sulfate }				<0.003	mg/l	1.855	<0.0055	mg/kg	<0.00000556 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				<0.01	mg/l	1.462	<0.0146	mg/kg	<0.00000146 %		<LOD
		215-160-9	1308-38-9									
8	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.1	mg/l	2.27	<0.227	mg/kg	<0.0000227 %		<LOD
	024-017-00-8											
9	cobalt { cobalt dinitrate }			1	<0.02	mg/l	3.104	<0.0621	mg/kg	<0.000002 %		<LOD
	027-009-00-2	233-402-1	10141-05-6									
10	copper { copper sulphate pentahydrate }				<0.02	mg/l	3.929	<0.0786	mg/kg	<0.00000786 %		<LOD
	029-023-00-4	231-847-6	7758-99-8									
11	lead { lead chromate }			1	<0.02	mg/l	1.56	<0.0312	mg/kg	<0.000002 %		<LOD
	082-004-00-2	231-846-0	7758-97-6									
12	manganese { manganese sulphate }				<0.02	mg/l	2.749	<0.055	mg/kg	<0.0000055 %		<LOD
	025-003-00-4	232-089-9	7785-87-7									
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.005	mg/l		<0.005	mg/kg	<0.0000005 %		<LOD
	080-002-00-6											
14	molybdenum { molybdenum(VI) oxide }				<0.02	mg/l	1.5	<0.03	mg/kg	<0.000003 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
15	nickel { nickel diiodide }				<0.02	mg/l	5.324	<0.106	mg/kg	<0.0000106 %		<LOD
	028-029-00-4	236-666-6	13462-90-3									

#	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	selenium { nickel selenate }				<0.01 mg/l	2.554	<0.0255 mg/kg	<0.00000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
17	thallium { thallium compounds, with the exception of those specified elsewhere in this Annex }				<0.02 mg/l	1.284	<0.0257 mg/kg	<0.00000257 %		<LOD
	081-002-00-9									
18	vanadium { divanadium pentaoxide; vanadium pentoxide }				<0.01 mg/l	1.785	<0.0179 mg/kg	<0.00000179 %		<LOD
	023-001-00-8	215-239-8	1314-62-1							
19	zinc { zinc chromate }				<0.1 mg/l	2.774	<0.277 mg/kg	<0.0000277 %		<LOD
	024-007-00-3	236-878-9	13530-65-9							
20	naphthalene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-927-3	129-00-0							
28	benz[a]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-883-8	191-24-2							
36	TPH (C6 to C40) petroleum group				0.18 mg/l		0.18 mg/kg	0.000018 %		
			TPH							
37	confirm TPH has NOT arisen from diesel or petrol				☒					
38	benzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
39	ethylbenzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
40	xylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<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]							
41	toluene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
42	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	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	 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 }				<0.05 mg/l	1.884	<0.0942 mg/kg	<0.00000942 %		<LOD
	006-007-00-5									
44	phenol				<0.5 mg/l		<0.5 mg/kg	<0.00005 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00042 %		

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): 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 for cumulative determinand results below the threshold of: 1000 mg/l (0.1%) because: TPH chromatogram clearly shows that TPH present is not from petrol or diesel. TPHs present are from heavier fractions and no free-flowing oils are present in the sample. HP 3 flammable does not apply here. Threshold increased to 1000mg/L to account for HP 7 and HP 11

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00001%)

Classification of sample: SP19

✔ **Non Hazardous Waste**
Classified as **11 01 12**
in the List of Waste

Sample details

Sample name:	LoW Code:
SP19	Chapter:
	Entry:
	11: Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy 11 01 12 (aqueous rinsing liquids other than those mentioned in 11 01 11)

Hazard properties

None identified

Determinands

Density of the liquid: 1 g/cm³

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH				7.03	pH		7.03	pH	7.03 pH		
2	antimony { antimony trioxide }				<0.01	mg/l	1.197	<0.012	mg/kg	<0.0000012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4									
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				<0.02	mg/l	1.895	<0.0379	mg/kg	<0.00000379 %		<LOD
	033-005-00-1											
4	barium { barium oxide }				0.016	mg/l	1.117	0.0179	mg/kg	0.00000179 %		
		215-127-9	1304-28-5									
5	boron { boron tribromide }				<0.1	mg/l	23.173	<2.317	mg/kg	<0.000232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
6	cadmium { cadmium sulfate }				<0.003	mg/l	1.855	<0.0055	mg/kg	<0.000000556 %		<LOD
	048-009-00-9	233-331-6	10124-36-4									
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				<0.01	mg/l	1.462	<0.0146	mg/kg	<0.00000146 %		<LOD
		215-160-9	1308-38-9									
8	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.1	mg/l	2.27	<0.227	mg/kg	<0.0000227 %		<LOD
	024-017-00-8											
9	cobalt { cobalt dinitrate }			1	<0.02	mg/l	3.104	<0.0621	mg/kg	<0.000002 %		<LOD
	027-009-00-2	233-402-1	10141-05-6									
10	copper { copper sulphate pentahydrate }				<0.02	mg/l	3.929	<0.0786	mg/kg	<0.00000786 %		<LOD
	029-023-00-4	231-847-6	7758-99-8									
11	lead { lead chromate }			1	0.084	mg/l	1.56	0.131	mg/kg	0.0000084 %		
	082-004-00-2	231-846-0	7758-97-6									
12	manganese { manganese sulphate }				0.165	mg/l	2.749	0.454	mg/kg	0.0000454 %		
	025-003-00-4	232-089-9	7785-87-7									
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.005	mg/l		<0.005	mg/kg	<0.0000005 %		<LOD
	080-002-00-6											
14	molybdenum { molybdenum(VI) oxide }				<0.02	mg/l	1.5	<0.03	mg/kg	<0.000003 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
15	nickel { nickel diiodide }				<0.02	mg/l	5.324	<0.106	mg/kg	<0.0000106 %		<LOD
	028-029-00-4	236-666-6	13462-90-3									

#	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	selenium { nickel selenate }				<0.01 mg/l	2.554	<0.0255 mg/kg	<0.00000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
17	thallium { thallium compounds, with the exception of those specified elsewhere in this Annex }				0.04 mg/l	1.284	0.0514 mg/kg	0.00000514 %		
	081-002-00-9									
18	vanadium { divanadium pentaoxide; vanadium pentoxide }				<0.01 mg/l	1.785	<0.0179 mg/kg	<0.00000179 %		<LOD
	023-001-00-8	215-239-8	1314-62-1							
19	zinc { zinc chromate }				<0.1 mg/l	2.774	<0.277 mg/kg	<0.0000277 %		<LOD
	024-007-00-3	236-878-9	13530-65-9							
20	naphthalene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-927-3	129-00-0							
28	benz[a]anthracene				0.098 mg/l		0.098 mg/kg	0.0000098 %		
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				0.032 mg/l		0.032 mg/kg	0.0000032 %		
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				0.203 mg/l		0.203 mg/kg	0.0000203 %		
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				0.141 mg/l		0.141 mg/kg	0.0000141 %		
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				0.044 mg/l		0.044 mg/kg	0.0000044 %		
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				0.095 mg/l		0.095 mg/kg	0.0000095 %		
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-883-8	191-24-2							
36	TPH (C6 to C40) petroleum group				603 mg/l		603 mg/kg	0.0603 %		
			TPH							
37	confirm TPH has NOT arisen from diesel or petrol				☒					
38	benzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
39	ethylbenzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
40	xylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<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]							
41	toluene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
42	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	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	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 }				<0.05 mg/l	1.884	<0.0942 mg/kg	<0.00000942 %		<LOD
	006-007-00-5									
44	phenol				<0.5 mg/l		<0.5 mg/kg	<0.00005 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0608 %		

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): 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 for cumulative determinand results below the threshold of: 1000 mg/l (0.1%) because: TPH chromatogram clearly shows that TPH present is not from petrol or diesel. TPHs present are from heavier fractions and no free-flowing oils are present in the sample. HP 3 flammable does not apply here. Threshold increased to 1000mg/L to account for HP 7 and HP 11

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0603%)

Classification of sample: SP20



Non Hazardous Waste
Classified as **11 01 12**
in the List of Waste

Sample details

Sample name:	LoW Code:
SP20	Chapter: 11: Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy
	Entry: 11 01 12 (aqueous rinsing liquids other than those mentioned in 11 01 11)

Hazard properties

None identified

Determinands

Density of the liquid: 1 g/cm³

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	pH		PH		8.12	pH		8.12	pH	8.12 pH		
2	antimony { antimony trioxide }				<0.01	mg/l	1.197	<0.012	mg/kg	<0.0000012 %		<LOD
	051-005-00-X	215-175-0	1309-64-4									
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				<0.02	mg/l	1.895	<0.0379	mg/kg	<0.00000379 %		<LOD
	033-005-00-1											
4	barium { barium oxide }				0.02	mg/l	1.117	0.0223	mg/kg	0.00000223 %		
		215-127-9	1304-28-5									
5	boron { boron tribromide }				<0.1	mg/l	23.173	<2.317	mg/kg	<0.000232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
6	cadmium { cadmium sulfate }				0.009	mg/l	1.855	0.0167	mg/kg	0.00000167 %		
	048-009-00-9	233-331-6	10124-36-4									
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				<0.01	mg/l	1.462	<0.0146	mg/kg	<0.00000146 %		<LOD
		215-160-9	1308-38-9									
8	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.1	mg/l	2.27	<0.227	mg/kg	<0.0000227 %		<LOD
	024-017-00-8											
9	cobalt { cobalt dinitrate }			1	<0.02	mg/l	3.104	<0.0621	mg/kg	<0.000002 %		<LOD
	027-009-00-2	233-402-1	10141-05-6									
10	copper { copper sulphate pentahydrate }				<0.02	mg/l	3.929	<0.0786	mg/kg	<0.00000786 %		<LOD
	029-023-00-4	231-847-6	7758-99-8									
11	lead { lead chromate }			1	<0.02	mg/l	1.56	<0.0312	mg/kg	<0.000002 %		<LOD
	082-004-00-2	231-846-0	7758-97-6									
12	manganese { manganese sulphate }				<0.02	mg/l	2.749	<0.055	mg/kg	<0.0000055 %		<LOD
	025-003-00-4	232-089-9	7785-87-7									
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	<0.005	mg/l		<0.005	mg/kg	<0.0000005 %		<LOD
	080-002-00-6											
14	molybdenum { molybdenum(VI) oxide }				<0.02	mg/l	1.5	<0.03	mg/kg	<0.000003 %		<LOD
	042-001-00-9	215-204-7	1313-27-5									
15	nickel { nickel diiodide }				<0.02	mg/l	5.324	<0.106	mg/kg	<0.0000106 %		<LOD
	028-029-00-4	236-666-6	13462-90-3									

#	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	selenium { nickel selenate }				<0.01 mg/l	2.554	<0.0255 mg/kg	<0.00000255 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
17	thallium { thallium compounds, with the exception of those specified elsewhere in this Annex }				<0.02 mg/l	1.284	<0.0257 mg/kg	<0.00000257 %		<LOD
	081-002-00-9									
18	vanadium { divanadium pentaoxide; vanadium pentoxide }				<0.01 mg/l	1.785	<0.0179 mg/kg	<0.00000179 %		<LOD
	023-001-00-8	215-239-8	1314-62-1							
19	zinc { zinc chromate }				<0.1 mg/l	2.774	<0.277 mg/kg	<0.0000277 %		<LOD
	024-007-00-3	236-878-9	13530-65-9							
20	naphthalene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-927-3	129-00-0							
28	benz[a]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-883-8	191-24-2							
36	TPH (C6 to C40) petroleum group				0.22 mg/l		0.22 mg/kg	0.000022 %		
			TPH							
37	confirm TPH has NOT arisen from diesel or petrol				☒					
38	benzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
39	ethylbenzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
40	xylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<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]							
41	toluene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
42	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#	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	 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 }				<0.05 mg/l	1.884	<0.0942 mg/kg	<0.00000942 %		<LOD
	006-007-00-5									
44	phenol				<0.5 mg/l		<0.5 mg/kg	<0.00005 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00043 %		

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): 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 for cumulative determinand results below the threshold of: 1000 mg/l (0.1%) because: TPH chromatogram clearly shows that TPH present is not from petrol or diesel. TPHs present are from heavier fractions and no free-flowing oils are present in the sample. HP 3 flammable does not apply here. Threshold increased to 1000mg/L to account for HP 7 and HP 11

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00002%)

Classification of sample: SP21

✔ **Non Hazardous Waste**
Classified as **11 01 12**
in the List of Waste

Sample details

Sample name:	LoW Code:
SP21	Chapter:
	Entry:
	11: Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy 11 01 12 (aqueous rinsing liquids other than those mentioned in 11 01 11)

Hazard properties

None identified

Determinands

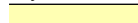
Density of the liquid: 1 g/cm³

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				7.45 pH		7.45 pH	7.45 pH		
2	antimony { antimony trioxide }				0.025 mg/l	1.197	0.0299 mg/kg	0.00000299 %		
	051-005-00-X	215-175-0	1309-64-4							
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }				<0.02 mg/l	1.895	<0.0379 mg/kg	<0.00000379 %		<LOD
	033-005-00-1									
4	barium { barium oxide }				0.11 mg/l	1.117	0.123 mg/kg	0.0000123 %		
		215-127-9	1304-28-5							
5	boron { boron tribromide }				0.44 mg/l	23.173	10.196 mg/kg	0.00102 %		
	005-003-00-0	233-657-9	10294-33-4							
6	cadmium { cadmium sulfate }				0.47 mg/l	1.855	0.872 mg/kg	0.0000872 %		
	048-009-00-9	233-331-6	10124-36-4							
7	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				0.283 mg/l	1.462	0.414 mg/kg	0.0000414 %		
		215-160-9	1308-38-9							
8	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.1 mg/l	2.27	<0.227 mg/kg	<0.0000227 %		<LOD
	024-017-00-8									
9	cobalt { cobalt dinitrate }			1	0.262 mg/l	3.104	0.813 mg/kg	0.0000262 %		
	027-009-00-2	233-402-1	10141-05-6							
10	copper { copper sulphate pentahydrate }				0.339 mg/l	3.929	1.332 mg/kg	0.000133 %		
	029-023-00-4	231-847-6	7758-99-8							
11	lead { lead chromate }			1	0.263 mg/l	1.56	0.41 mg/kg	0.0000263 %		
	082-004-00-2	231-846-0	7758-97-6							
12	manganese { manganese sulphate }				0.171 mg/l	2.749	0.47 mg/kg	0.000047 %		
	025-003-00-4	232-089-9	7785-87-7							
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.0117 mg/l		0.0117 mg/kg	0.00000117 %		
	080-002-00-6									
14	molybdenum { molybdenum(VI) oxide }				3.89 mg/l	1.5	5.836 mg/kg	0.000584 %		
	042-001-00-9	215-204-7	1313-27-5							
15	nickel { nickel diiodide }				0.354 mg/l	5.324	1.885 mg/kg	0.000188 %		
	028-029-00-4	236-666-6	13462-90-3							

#	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	selenium { nickel selenate }				0.019 mg/l	2.554	0.0485 mg/kg	0.00000485 %		
	028-031-00-5	239-125-2	15060-62-5							
17	thallium { thallium compounds, with the exception of those specified elsewhere in this Annex }				0.283 mg/l	1.284	0.363 mg/kg	0.0000363 %		
	081-002-00-9									
18	vanadium { divanadium pentaoxide; vanadium pentoxide }				<0.01 mg/l	1.785	<0.0179 mg/kg	<0.00000179 %		<LOD
	023-001-00-8	215-239-8	1314-62-1							
19	zinc { zinc chromate }				0.92 mg/l	2.774	2.552 mg/kg	0.000255 %		
	024-007-00-3	236-878-9	13530-65-9							
20	naphthalene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
21	acenaphthylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-917-1	208-96-8							
22	acenaphthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-469-6	83-32-9							
23	fluorene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-695-5	86-73-7							
24	phenanthrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		201-581-5	85-01-8							
25	anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-371-1	120-12-7							
26	fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-912-4	206-44-0							
27	pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		204-927-3	129-00-0							
28	benz[a]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
29	chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
30	benzo[b]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
31	benzo[k]fluoranthene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
32	benzo[a]pyrene; benzo[def]chrysene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
33	indeno[123-cd]pyrene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-893-2	193-39-5							
34	dibenz[a,h]anthracene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
35	benzo[ghi]perylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
		205-883-8	191-24-2							
36	TPH (C6 to C40) petroleum group				53.5 mg/l		53.5 mg/kg	0.00535 %		
			TPH							
37	confirm TPH has NOT arisen from diesel or petrol				☒					
38	benzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
39	ethylbenzene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
40	xylene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<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]							
41	toluene				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
42	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/l		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							

#		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		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 }				<0.05 mg/l	1.884	<0.0942 mg/kg	<0.00000942 %		<LOD
		006-007-00-5									
44		phenol				<0.5 mg/l		<0.5 mg/kg	<0.00005 %		<LOD
		604-001-00-2	203-632-7	108-95-2							
Total:									0.00792 %		

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): 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 for cumulative determinand results below the threshold of: 1000 mg/l (0.1%) because: TPH chromatogram clearly shows that TPH present is not from petrol or diesel. TPHs present are from heavier fractions and no free-flowing oils are present in the sample. HP 3 flammable does not apply here. Threshold increased to 1000mg/L to account for HP 7 and HP 11

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00535%)

Appendix A: Classifier defined and non GB MCL determinands

■ pH (CAS Number: PH)

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

■ barium oxide (EC Number: 215-127-9, CAS Number: 1304-28-5)

Description/Comments: Data from ECHA's C&L Inventory Database, Sigma Aldrich SDS dated 6/2/20
Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/88825>
Data source date: 02 Apr 2020
Hazard Statements: Acute Tox. 3; H301 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 1; H332

■ 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

■ thallium compounds, with the exception of those specified elsewhere in this Annex

GB MCL index number: 081-002-00-9
Description/Comments: Conversion factor based on a worst case compound: thallium(I) chromate
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 1 (23, Sup 7, 100C) 2012

■ 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

▪ **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

▪ **confirm TPH has NOT arisen from diesel or petrol**

Description/Comments: Chapter 3, section 4b requires a positive confirmation for benzo[a]pyrene to be used as a marker in evaluating Carc. 1B; H350 (HP 7) and Muta. 1B; H340 (HP 11)

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

▪ **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

▪ **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

Appendix B: Rationale for selection of metal species

antimony {antimony trioxide}

Worst case species (edit as required)

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

Worst case species (edit as required)

barium {barium oxide}

Insufficient chromium VI present in sample. So, barium oxide may be the species present due to the lack of sufficient sulphate or chloride.

boron {boron tribromide}

Worst case species (edit as required)

cadmium {cadmium sulfate}

Worst case species (edit as required)

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

Worst case species (edit as required)

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

Worst case species (edit as required)

cobalt {cobalt dinitrate}

Worst case species (edit as required)

copper {copper sulphate pentahydrate}

Worst case species (edit as required)

lead {lead chromate}

Worst case species (edit as required)

manganese {manganese sulphate}

Worst case species (edit as required)

mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}

Insufficient cyanide present in sample. So, other mercury compounds may be the species present due to the lack of sufficient sulphate or chloride.

molybdenum {molybdenum(VI) oxide}

Worst case species (edit as required)

nickel {nickel diiodide}

Worst case species (edit as required)

selenium {nickel selenate}

Worst case species (edit as required)

thallium {thallium compounds, with the exception of those specified elsewhere in this Annex}

Worst case species (edit as required)

vanadium {divanadium pentaoxide; vanadium pentoxide}

Worst case species (edit as required)

zinc {zinc chromate}

Worst case species (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}

Worst case species (edit as required)

Appendix C: Version

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

HazWasteOnline Classification Engine Version: 2025.7.6439.11737 (07 Jan 2025)

HazWasteOnline Database: 2025.7.6439.11737 (07 Jan 2025)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

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

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

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

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

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

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

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

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

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

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

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

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

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

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

GB MCL List v2.0 - version 2.0 of 20th October 2023

GB MCL List v3.0 - version 3.0 of 11th January 2024

GB MCL List v4.0 - version 4.0 of 2nd March 2024

GB MCL List v5.0 - version 5.0 of 26th June 2024