ANALYTICAL TEST REPORT

Report Number	24-01157, issue number 1
Contract name:	Nick Brookes
Client reference:	-
Clients name:	Bramble Environmental
Clients address:	Bramble Environmental 3 Bramble Close Stainton Middlesbrough TS8 9FE
Samples received:	14/08/2024
Analysis started:	14/08/2024
Analysis completed:	20/08/2024
Report issued:	20/08/2024

Key

U	UKAS accredited test
M	MCERTS & UKAS accredited test
$	Test carried out by an approved subcontractor
I/S	Insufficient sample to carry out test
N/S	Sample not suitable for testing
NAD	No Asbestos Detected

Approved by: Sam Rogerson
Manager

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Lab ref	Sample ID	Depth (m)	Sample description	Material removed	% Removed	% Moisture
11231	Nick Brookes	-	Brown Sandy Loam with Gravel.	-	-	5.9

DEVIATING SAMPLE INFORMATION

Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.
For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.
Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

a	Sampling date not provided
b	Sampling time not provided (waters only)
c	Sample not received in appropriate containers
d	Storage Temperature
e	Headspace present in sample container
f	Sample exceeded sampling to reciept
g	Sample exceeded holding time(s)

Lab ref	Sample ID	Depth (m)	Deviating	Tests (Reason for deviation)
11231	Nick Brookes	-	Y	a

SOLIDS

Lab Number					11231
Client Reference					1
Sample ID					Nick Brookes
Sampling Date					Not Supplied
Test	**Method**	**Accred**	**LoD**	**Units**	
Asbestos					
Asbestos Identification	SUBCON	SU	-	-	NAD
Metals					
Water Soluble Sulphate	CE061	M	10	mg/l	a^ 197
Acid Soluble Sulphate (SO4)	CE062	M	100	mg/kg	a^ 2850
Water Soluble Boron	CE063	N	0.5	mg/kg	a < 0.50
Arsenic	CE264	U	1.8	mg/kg	a* 6.2
Cadmium	CE264	M	1.6	mg/kg	a^ < 1.6
Chromium	CE264	U	2	mg/kg	a* 64.4
Copper	CE264	M	1.6	mg/kg	a^ 21.8
Lead	CE264	U	2.3	mg/kg	a* 66.9
Mercury	CE264	U	0.7	mg/kg	a* < 0.7
Nickel	CE264	M	2.1	mg/kg	a^ 10.7
Selenium	CE264	U	3	mg/kg	a* < 3.0
Zinc	CE264	M	4	mg/kg	a^ 61.1
Volatile Petroleum Hydrocarbons					
>C5-C6 Total (HS_1D_Total)	CE267	N	0.1	mg/kg	a < 0.10
>C6-C8 Total (HS_1D_Total)	CE267	N	0.1	mg/kg	a < 0.10
>C8-C10 Total (HS_1D_Total)	CE267	N	0.01	mg/kg	a < 0.010
>C5-C10 Total (HS_1D_Total)	CE267	N	0.1	mg/kg	a < 0.10
Colourimetric					
Total Monohydric Phenols	CE078	N	0.5	mg/kg	a < 0.50
Total Cyanide	CE077	N	1	mg/kg	a < 1.0
Free Cyanide	CE077	N	1	mg/kg	a < 1.0
Thiocyanate	CE145	M	1	mg/kg	a^ < 1.0
Total Sulphide	CE167	N	10	mg/kg	a 10
Combustion					
Moisture Content	CE001	N	0.1	%	5.9
Loss On Ignition (HMRC fines test)	CE150	N	0.1	%	a 3.02
Organics					
Elemental Sulphur	CE034	M	10	mg/kg	a^ < 10.0
Polyaromatic hydrocarbons					
Naphthalene	CE087	M	0.016	mg/kg	a^ 0.030
Acenaphthylene	CE087	M	0.015	mg/kg	a^ 0.043
Acenaphthene	CE087	M	0.013	mg/kg	a^ < 0.019
Fluorene	CE087	U	0.013	mg/kg	a* < 0.019
Phenanthrene	CE087	M	0.014	mg/kg	a^ 0.282
Anthracene	CE087	U	0.017	mg/kg	a* 0.128

SOLIDS

Fluoranthene	CE087	M	0.017	mg/kg	a^ 1.01
Pyrene	CE087	M	0.016	mg/kg	a^ 0.942
Benzo(a)anthracene	CE087	U	0.012	mg/kg	a* 0.621
Chrysene	CE087	M	0.028	mg/kg	a^ 0.546
Benzo(b)fluoranthene	CE087	M	0.02	mg/kg	a^ 0.909
Benzo(k)fluoranthene	CE087	M	0.025	mg/kg	a^ 0.409
Benzo(a)pyrene	CE087	U	0.019	mg/kg	a* 0.862
Indeno(1,2,3-cd)pyrene	CE087	M	0.019	mg/kg	a^ 0.664
Dibenzo(a,h)anthracene	CE087	M	0.017	mg/kg	a^ 0.137
Benzo(g,h,i)perylene	CE087	M	0.019	mg/kg	a^ 0.691
Total PAH(16)	CE087	N	0.28	mg/kg	a 7.28
Wet Chem					
pH	CE004	M	0.1	pH units	a^ 7.6
EPH					
Total Hydrocabons C5-C40 (GCFID)	CE033	N	10	mg/kg	a 189
>C10-C12 Soil (EH_1D_Total)	CE033	M	6	mg/kg	a^ < 6.0
>C12-C16 Soil (EH_1D_Total)	CE033	M	6	mg/kg	a^ < 6.0
>C16-C21 Soil (EH_1D_Total)	CE033	M	6	mg/kg	a^ 12.7
>C21-C35 Soil (EH_1D_Total)	CE033	M	15	mg/kg	a^ 134
>C35-C40 Soil (EH_1D_Total)	CE033	U	10	mg/kg	a* 39.3
>C10-C40 Soil (EH_1D_Total)	CE033	M	19	mg/kg	a^ 189

METHOD DETAILS

METHOD	TESTNAME	METHOD SUMMARY	ANALYSIS BASIS
CE033	EPH in Solids	Acetone:Hexane Extraction and GCFID	As submitted sample
CE061	W. Sol Metals	ICPOES	Air dried sample
CE062	Acid Soluble Sulphate in Solids	Primacs	Air dried sample
CE063	Water soluble boron	ICPOES	Air dried sample
CE264	Metals by ICP in Soil	ICPOES	Air dried sample
CE267	VPH in Soil	HS-GCFID	As submitted sample
CE087	PAH in Soil	DCM Extraction and GCMS	As submitted sample
CE034	Elemental Sulphur	HPLC UV	Air dried sample
CE078	Phenols in Solids	Continuous Flow Analyser	As submitted sample
CE077	Cyanides in Solids	Continuous Flow Analyser	As submitted sample
CE145	Thiocyanate	UV Spectrometer	Air dried sample
CE167	Sulphide in Solids	Distillation and titration	Air dried sample
CE150	Loss on ignition at 450 deg C	HMRC LFT1	Air dried sample

REPORT INFORMATION

Report No.:24-01157, issue number 1

Key	
U	ISO17025 Accredited Result
M	ISO17025 and MCERTS Accredited Result
N	Do not currently hold accreditation
^	MCERTS accreditation not applicable for sample matrix
*	ISO17025 accreditation not applicable for sample matrix
S	Subcontracted
I/S	Insufficient Sample
U/S	Unsuitable sample
N/T	Not tested
<	Means "less than"
>	Means "greater than"

LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.

This report shall not be reproduced except in full, without prior written approval.

Opinions and interpretations expressed herein are outside the UKAS accreditation scope.

All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.

The results relate only to the sample received.

Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Moisture Content Calculated on a Wet Weight basis

Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.

Sampling was undertaken by Chemtech Environmental Limited and is outside the UKAS accreditation scope.

Methods, procedures and performance data are available on request.

Results reported herein relate only to the material supplied to the laboratory.

BTEX compounds are identified by retention time only and may include interference from co-eluting compounds.

For soils and solids, all results are reported on a dry basis. Samples dried at no more than 30°C in a drying

For soils and solids, analytical results are inclusive of stones, where applicable.

Sample Retention and Disposal

All soil samples will be retained for a period of 4 weeks from the point of receipt

All water samples will be retained for a period of 2 weeks from the point of Reporting

Charges may apply to extended sample storage

TPH Classification - HWOL Acronym System

HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
2D	GC-GC - Double coil gas chromatography
#1	EH_Total but with humics mathematically subtracted
#2	EH_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry

BRAMBLE ENVIRONMENTAL

HazWasteOnline™

Waste Classification Report

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

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

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

RBXC4-PZLAC-RR4Y6

This Waste Classification Report contains user defined substances. See Appendix A for details.

Job name

Nick Brookes - Report 24-01157 - 20/08/2024

Description/Comments

Project

Report 24-01557

Site

Classified by

Name:
Mark Screaton
Date:
20 Aug 2024 19:32 GMT
Telephone:
07930241730

Company:
Bramble Environmental Limited
3 Bramble Close, Stainton, Middlesbrough
TS8 9FE

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

HazWasteOnline™ Certification: **CERTIFIED**

Course	Date
Hazardous Waste Classification	08 Aug 2024

Next 3 year Refresher due by Aug 2027

Purpose of classification

2 - Material Characterisation

Address of the waste

Nick Brookes Group, Wardle Industrial Estate, Green Lane, Wardle, Cheshire **Post Code** CW5 6DB

SIC for the process giving rise to the waste

38110 Collection of non-hazardous waste

Description of industry/producer giving rise to the waste

Material Recycling Facility

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

Screening and trommelling of C&D waste to produce qualifying fines

Description of the waste

Qualifying Fines with LOI <10%

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	WAC Results			Page
					Inert	SNRHW	Hazardous	
1	11231		Non Hazardous		-	-	N/A	3

Related documents

#	Name	Description
1	Qualifying Fines	waste stream template used to create this Job

WAC results

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate the samples in this Job: "UK"
The WAC used in this report are the WAC defined for the inert, stable non-reactive hazardous and hazardous classes of landfill in the UK. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

Report

Created by: Mark Screaton

Created date: 20 Aug 2024 19:32 GMT

Classification of sample: 11231

Non Hazardous Waste
Classified as **19 12 12**
in the List of Waste

Sample details

Sample name:
11231

LoW Code:

Chapter: 19: Wastes from Waste Management Facilities, Off-site Waste Water Treatment Plants and the Preparation of Water Intended for Human Consumption and Water for Industrial Use

Entry: 19 12 12 (other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		6.2	mg/kg		6.2	mg/kg	0.00062 %		
2	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<**LOD**
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<1.6	mg/kg	1.142	<1.828	mg/kg	<0.000183 %		<**LOD**
4	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		64.4	mg/kg	1.462	94.124	mg/kg	0.00941 %		
5	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				<1	mg/kg	2.27	<2.27	mg/kg	<0.000227 %		<**LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21.8	mg/kg	1.126	24.544	mg/kg	0.00245 %		
7	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	66.9	mg/kg		66.9	mg/kg	0.00669 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.7	mg/kg	1.353	<0.947	mg/kg	<0.0000947 %		<**LOD**
9	nickel { nickel(II) oxide (nickel monoxide) }	028-003-00-2	215-215-7 [1] 234-323-5 [2] - [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]		10.7	mg/kg	1.273	13.617	mg/kg	0.00136 %		
10	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<3	mg/kg		<3	mg/kg	<0.0003 %		<**LOD**
11	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		31.1	mg/kg	1.245	38.711	mg/kg	0.00387 %		
12	pH			PH		7.6	pH		7.6	pH	7.6 pH		
13	naphthalene	601-052-00-2	202-049-5	91-20-3		0.03	mg/kg		0.03	mg/kg	0.000003 %		
14	acenaphthylene		205-917-1	208-96-8		0.043	mg/kg		0.043	mg/kg	0.0000043 %		

#		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									
15		acenaphthene				<0.019	mg/kg		<0.019	mg/kg	<0.0000019 %		<LOD
			201-469-6	83-32-9									
16		fluorene				<0.019	mg/kg		<0.019	mg/kg	<0.0000019 %		<LOD
			201-695-5	86-73-7									
17		phenanthrene				0.282	mg/kg		0.282	mg/kg	0.0000282 %		
			201-581-5	85-01-8									
18		anthracene				0.128	mg/kg		0.128	mg/kg	0.0000128 %		
			204-371-1	120-12-7									
19		fluoranthene				1.01	mg/kg		1.01	mg/kg	0.000101 %		
			205-912-4	206-44-0									
20		pyrene				0.942	mg/kg		0.942	mg/kg	0.0000942 %		
			204-927-3	129-00-0									
21		benz[a]anthracene				0.621	mg/kg		0.621	mg/kg	0.0000621 %		
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				0.546	mg/kg		0.546	mg/kg	0.0000546 %		
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				0.909	mg/kg		0.909	mg/kg	0.0000909 %		
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				0.409	mg/kg		0.409	mg/kg	0.0000409 %		
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				0.862	mg/kg		0.862	mg/kg	0.0000862 %		
		601-032-00-3	200-028-5	50-32-8									
26		indeno[123-cd]pyrene				0.664	mg/kg		0.664	mg/kg	0.0000664 %		
			205-893-2	193-39-5									
27		dibenz[a,h]anthracene				0.137	mg/kg		0.137	mg/kg	0.0000137 %		
		601-041-00-2	200-181-8	53-70-3									
28		benzo[ghi]perylene				0.691	mg/kg		0.691	mg/kg	0.0000691 %		
			205-883-8	191-24-2									
29		TPH (C6 to C40) petroleum group				189	mg/kg		189	mg/kg	0.0189 %		
				TPH									
30		Sulphates				2850	mg/kg		2850	mg/kg	0.285 %		
			603-783-2	13397-24-5									
31		monohydric phenols				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
				P1186									
										Total:	0.33 %		

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)
	Determinand defined by classifier (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
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/kg (0.1%) because: Concentration of TPH is not high enough to trigger HP3

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0189%)

WAC results for sample: 11231

WAC Settings: samples in this Job constitute a single population.

WAC limits used to evaluate this sample: "UK"
The WAC used in this report are the WAC defined for the inert, stable non-reactive hazardous and hazardous classes of landfill in the UK. You should check the actual acceptance criteria when the disposal site is identified as they may differ from the generic WAC used in this report.

The sample cannot be evaluated against the Inert (Inert waste landfill) criteria because of missing determinand values.

The sample cannot be evaluated against the SNRHW (Stable non-reactive hazardous waste in non-hazardous landfill) criteria because of missing determinand values.

WAC Determinands

Solid Waste Analysis				Landfill Waste Acceptance Criteria Limits		
#	Determinand		User entered data	Inert waste landfill	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste landfill
1	TOC (total organic carbon)	%		3	5	6
2	LOI (loss on ignition)	%	3.02	-	-	10
3	BTEX (benzene, toluene, ethylbenzene and xylenes)	mg/kg		6	-	-
4	PCBs (polychlorinated biphenyls, 7 congeners)	mg/kg		1	-	-
5	Mineral oil (C10 to C40)	mg/kg		500	-	-
6	PAHs (polycyclic aromatic hydrocarbons)	mg/kg		100	-	-
7	pH	pH		-	>6	-
8	ANC (acid neutralisation capacity)	mol/kg		-	-	-
Eluate Analysis 10:1						
9	arsenic	mg/kg		0.5	2	25
10	barium	mg/kg		20	100	300
11	cadmium	mg/kg		0.04	1	5
12	chromium	mg/kg		0.5	10	70
13	copper	mg/kg		2	50	100
14	mercury	mg/kg		0.01	0.2	2
15	molybdenum	mg/kg		0.5	10	30
16	nickel	mg/kg		0.4	10	40
17	lead	mg/kg		0.5	10	50
18	antimony	mg/kg		0.06	0.7	5
19	selenium	mg/kg		0.1	0.5	7
20	zinc	mg/kg		4	50	200
21	chloride	mg/kg		800	15,000	25,000
22	fluoride	mg/kg		10	150	500
23	sulphate	mg/kg		1,000	20,000	50,000
24	phenol index	mg/kg		1	-	-
25	DOC (dissolved organic carbon)	mg/kg		500	800	1,000
26	TDS (total dissolved solids)	mg/kg		4,000	60,000	100,000

Key

	User supplied data
	Not applicable
	Missing WAC determinand value

Appendix A: Classifier defined and non GB MCL determinands

- **arsenic** (EC Number: 231-148-6, CAS Number: 7440-38-2)

GB MCL index number: 033-001-00-X
Description/Comments: Worst Case: IARC considers arsenic Group 1; Carcinogenic to humans
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

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

Description/Comments: Data from ECHA's C&L inventory database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 30 Apr 2020
Hazard Statements: Acute Tox. 4; H302 , Skin Sens. 1; H317 , Eye Irrit. 2; H319

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

GB MCL index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

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

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

- **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

Sulphates (EC Number: 603-783-2, CAS Number: 13397-24-5)

Description/Comments:
Data source: ECHA Inventory
Data source date: 28 May 2024
Hazard Statements: None.

monohydric phenols (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

Appendix B: Rationale for selection of metal species

arsenic {arsenic}

Most likely compound present

boron {diboron trioxide}

Most likely compound present

cadmium {cadmium oxide}

Most likely compound present

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

Most likely compound present

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

Most likely compound present

copper {dicopper oxide; copper (I) oxide}

Most likely compound present

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

Most likely compound present

mercury {mercury dichloride}

Most likely compound to be present

nickel {nickel(II) oxide (nickel monoxide)}

Most likely compound present

selenium {selenium}

Most likely compound present

zinc {zinc oxide}

Most likely compound present

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2024.229.6218.11418 (17 Aug 2024)
HazWasteOnline Database: 2024.229.6218.11418 (17 Aug 2024)

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