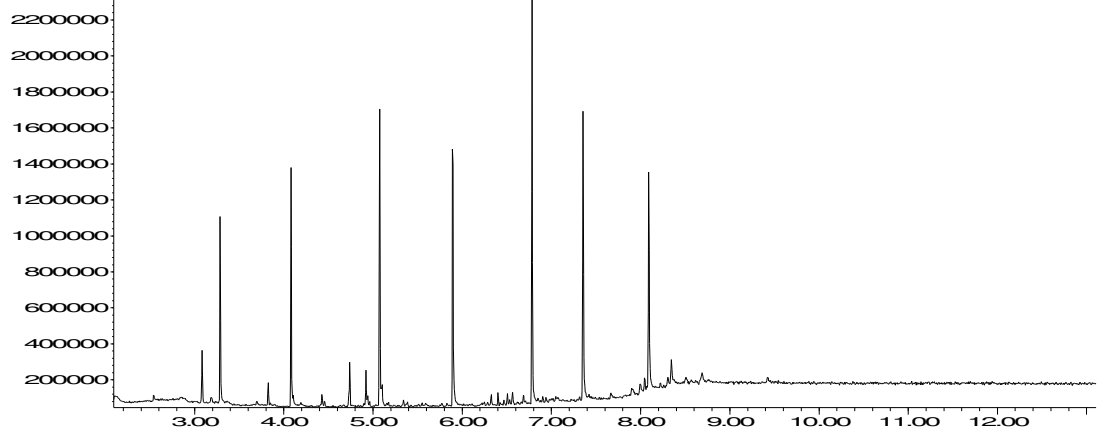


Abundance

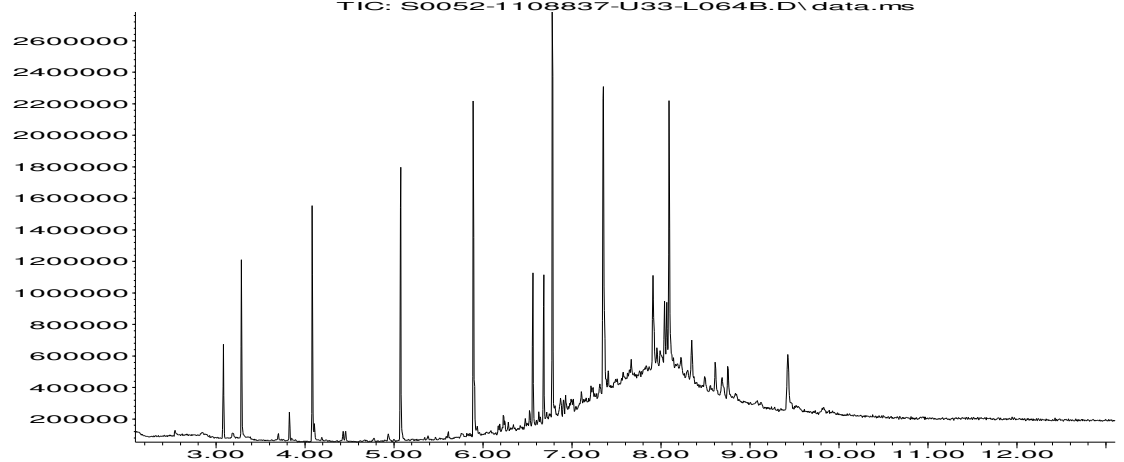
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Time-->

Abundance

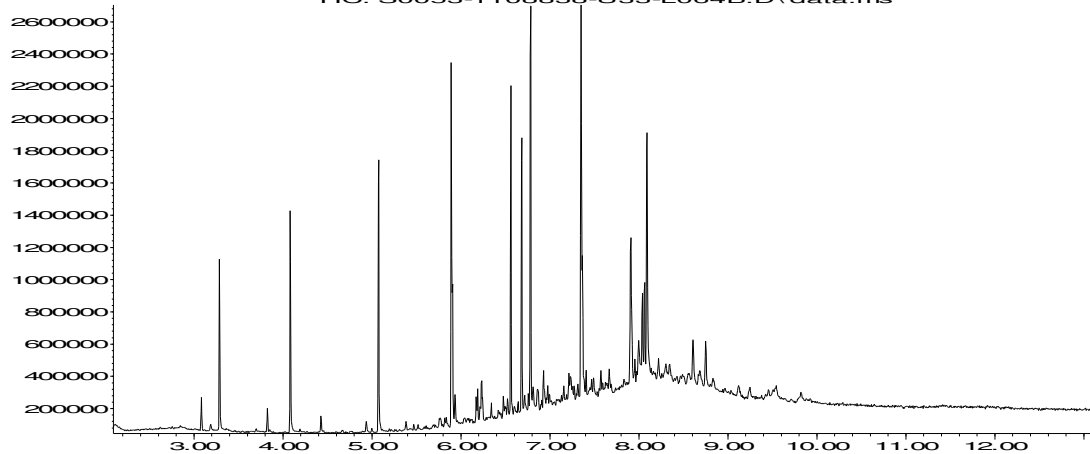
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Time-->

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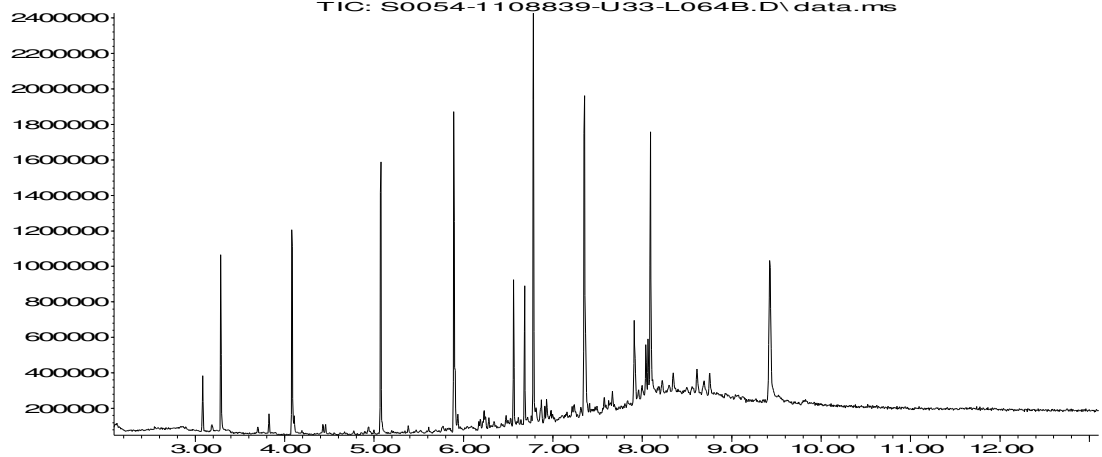
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Time →

Abundance

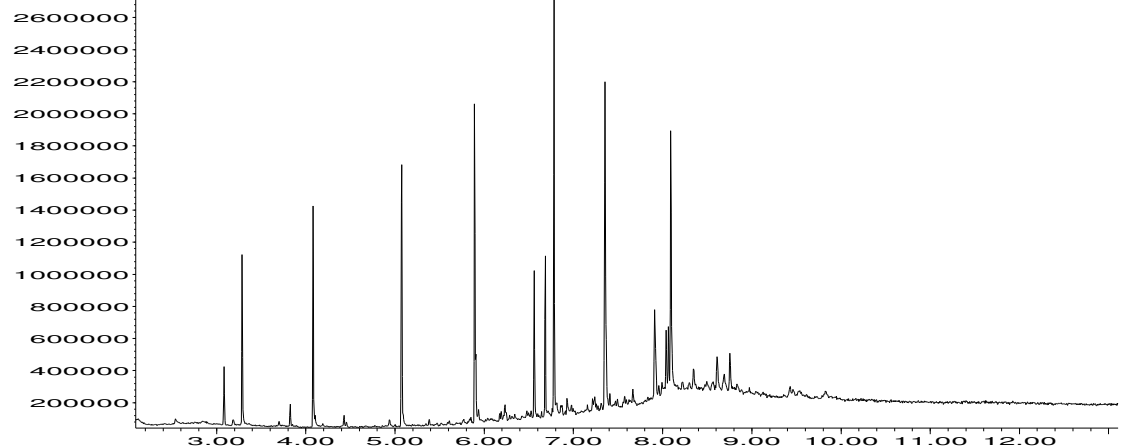
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Time-->

Abundance

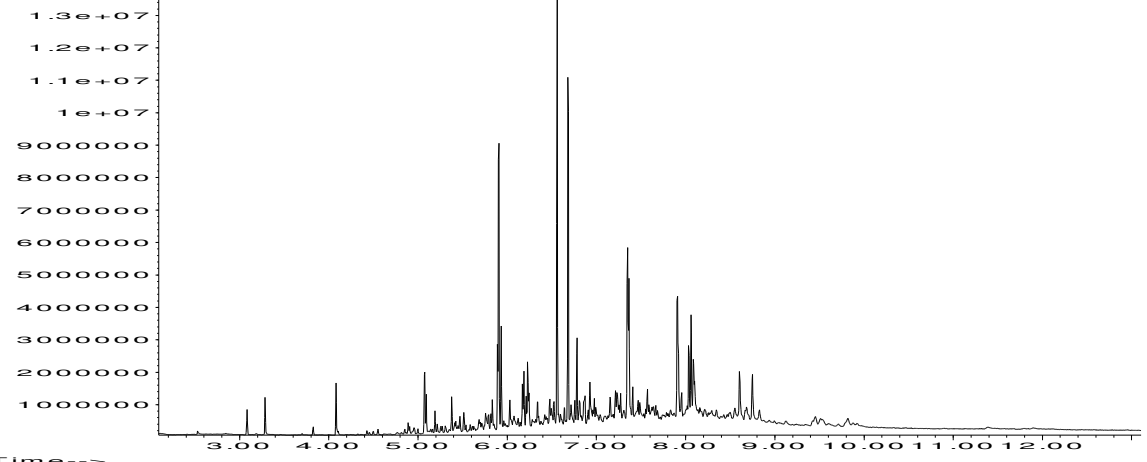
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Time-->

Abundance

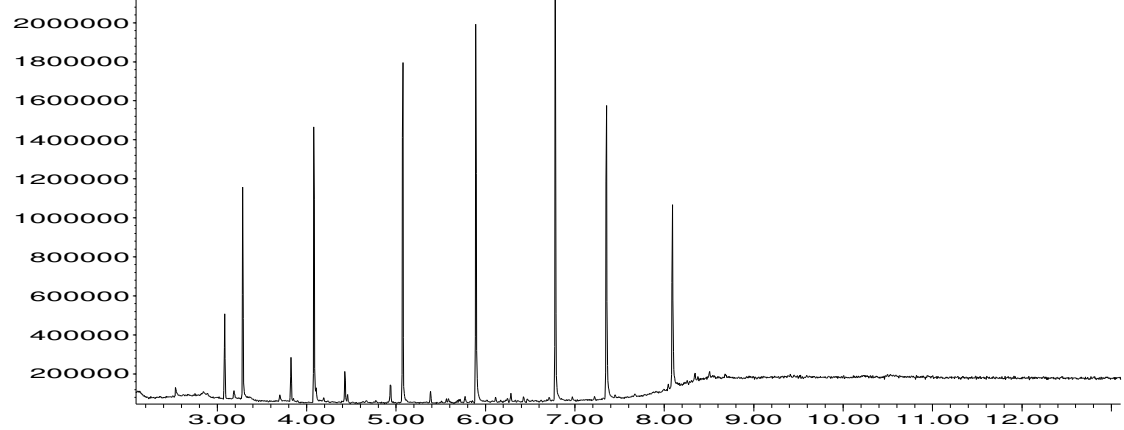
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Time-->

Abundance

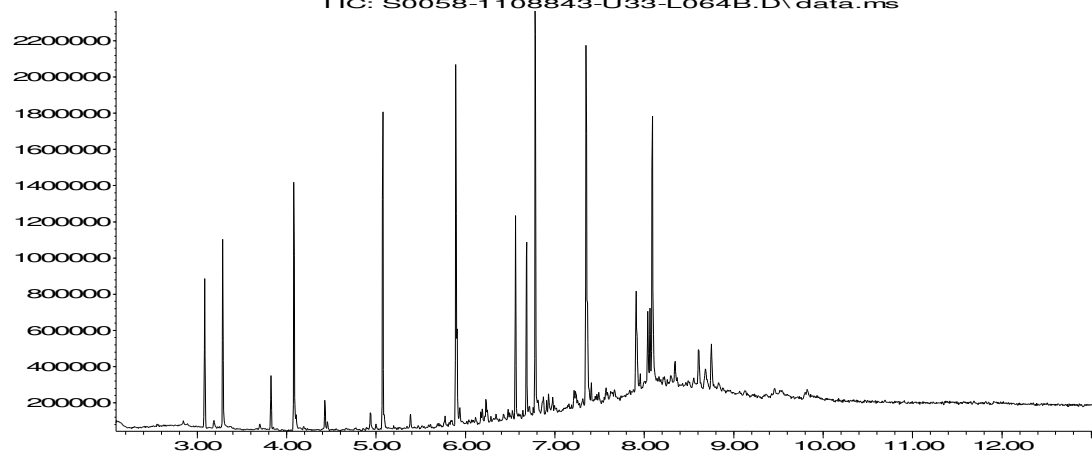
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Time-->

Abundance

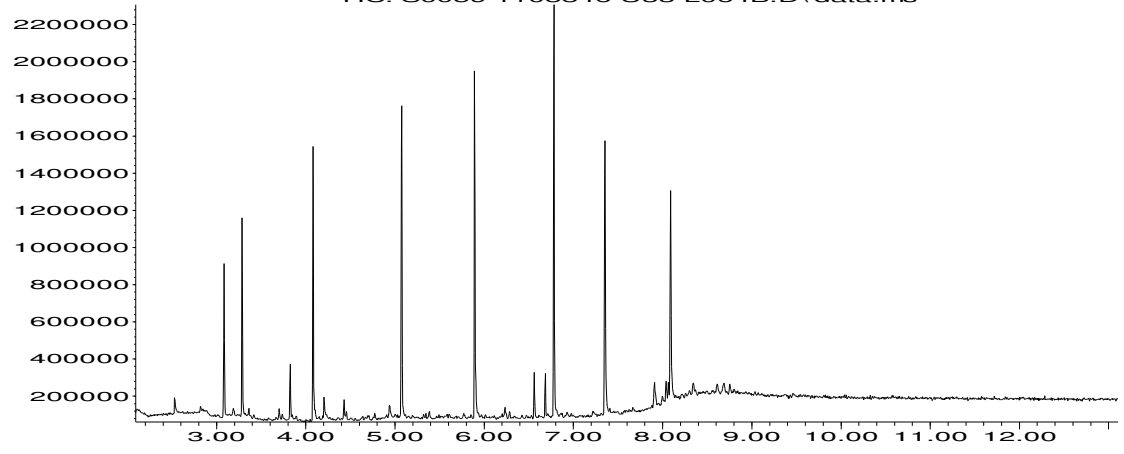
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Time-->

Abundance

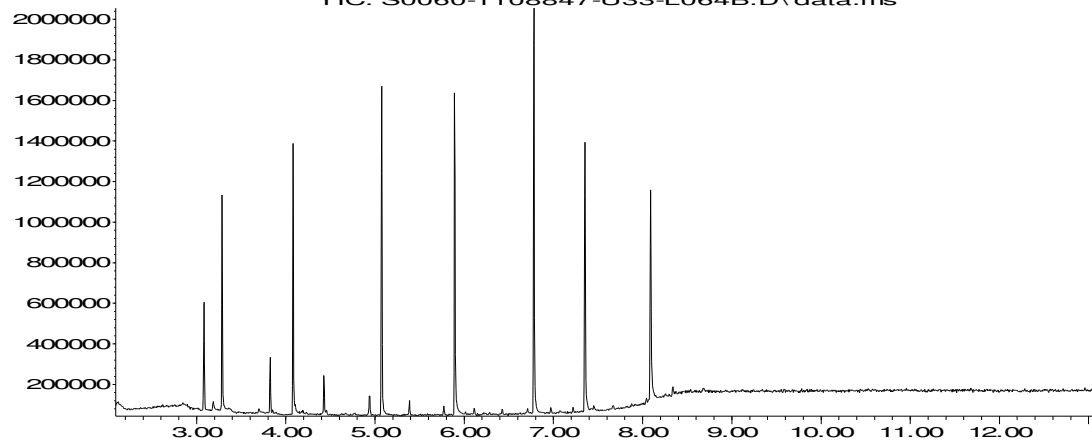
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Time-->

Abundance

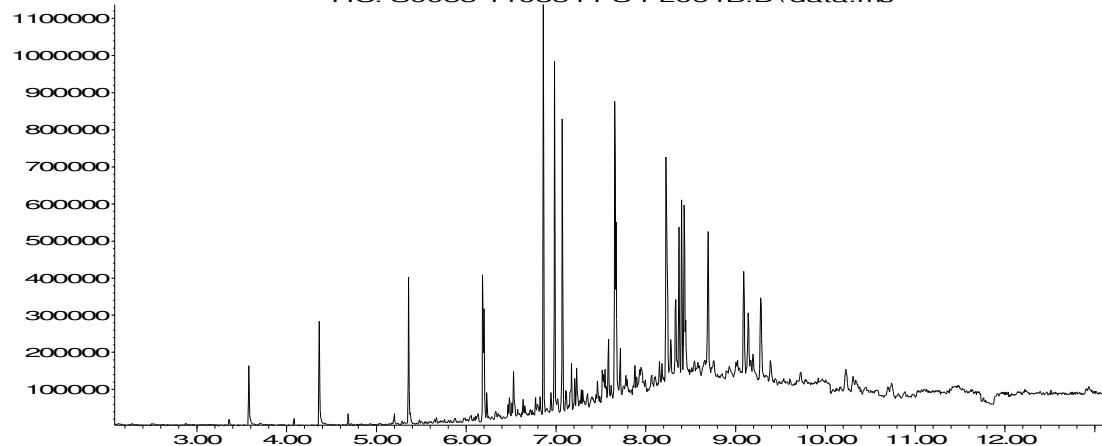
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Time-->

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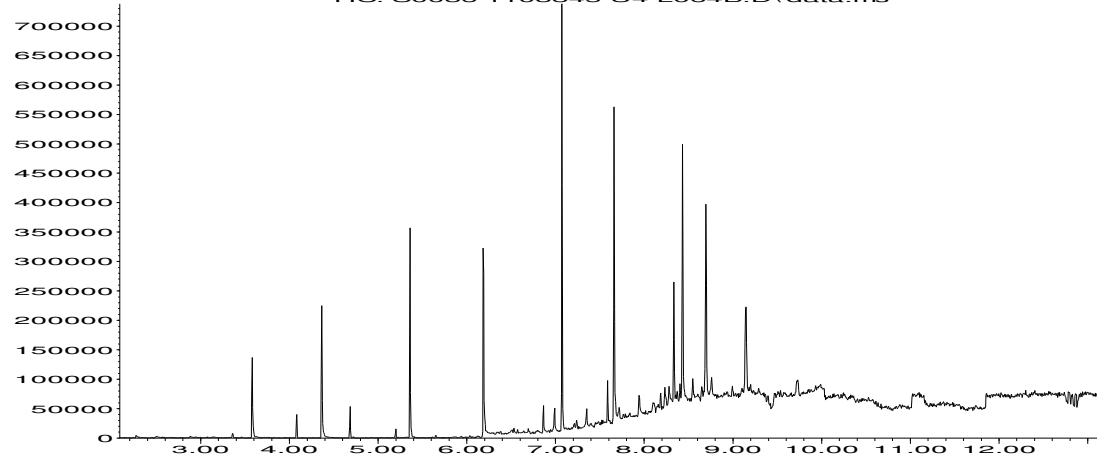
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Time-->

Abundance

TIC: S0086-1108845-U4-L064B.D\data.ms



Time-->



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Analytical Report Number : 18-21358

Replaces Analytical Report Number : 18-21358, issue no. 1

Project / Site name:	Fort Halstead	Samples received on:	05/12/2018
Your job number:		Samples instructed on:	05/12/2018
Your order number:	POP025916	Analysis completed by:	19/12/2018
Report Issue Number:	2	Report issued on:	19/12/2018
Samples Analysed:	18 soil samples		

Signed 

Jordan Hill
Reporting Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Analytical Report Number: 18-21358

Project / Site name: Fort Halstead

Your Order No: POP025916

Lab Sample Number				1108903	1108904	1108905	1108906	1108907
Sample Reference				BH602	BH603	BH604	BH604	BH605
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	1.40	0.90	2.30	0.20
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	17	14	14	17	15
Total mass of sample received	kg	0.001	NONE	0.41	0.47	0.79	0.94	0.39

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	0.002	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	0.002	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.1	7.6	8.4	4.9	7.9
Free Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.054	0.037	0.30	0.22	0.041
Fraction Organic Carbon (FOC)	N/A	0.001	NONE	0.011	< 0.0010	0.0037	< 0.0010	0.011

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	2.9	< 0.05	< 0.05	< 0.05	1.2
Anthracene	mg/kg	0.05	MCERTS	0.64	< 0.05	< 0.05	< 0.05	0.24
Fluoranthene	mg/kg	0.05	MCERTS	6.7	< 0.05	< 0.05	< 0.05	2.7
Pyrene	mg/kg	0.05	MCERTS	5.8	< 0.05	< 0.05	< 0.05	2.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	3.4	< 0.05	< 0.05	< 0.05	1.4
Chrysene	mg/kg	0.05	MCERTS	3.1	< 0.05	< 0.05	< 0.05	1.6
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	3.5	< 0.05	< 0.05	< 0.05	1.6
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	2.3	< 0.05	< 0.05	< 0.05	0.99
Benzo(a)pyrene	mg/kg	0.05	MCERTS	3.7	< 0.05	< 0.05	< 0.05	1.6
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.3	< 0.05	< 0.05	< 0.05	0.93
Dibenzo(a,h)anthracene	mg/kg	0.05	MCERTS	0.58	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	2.6	< 0.05	< 0.05	< 0.05	1.1

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	37.4	< 0.80	< 0.80	< 0.80	15.7
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.4	4.1	8.1	< 1.0	11
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.3	0.79	1.0	0.97	1.0
Boron (water soluble)	mg/kg	0.2	MCERTS	1.5	0.4	1.4	0.4	2.0
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.8	< 0.2	< 0.2	< 0.2	0.5
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	27	34	35	39	32
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	27	34	35	39	32
Copper (aqua regia extractable)	mg/kg	1	MCERTS	47	10	15	14	42
Lead (aqua regia extractable)	mg/kg	1	MCERTS	73	8.0	17	10	120
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25	12	16	8.1	23
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	1.4	3.5	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	50	48	51	45	50
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	160	27	40	23	140

Analytical Report Number: 18-21358

Project / Site name: Fort Halstead

Your Order No: POP025916

Lab Sample Number				1108903	1108904	1108905	1108906	1108907
Sample Reference				BH602	BH603	BH604	BH604	BH605
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	1.40	0.90	2.30	0.20
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					

Monoaromatics

Parameter	Units	Limit of detection	Accreditation Status	1108903	1108904	1108905	1108906	1108907
Benzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

Parameter	Units	Limit of detection	Accreditation Status	1108903	1108904	1108905	1108906	1108907
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	3.2	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	19	< 2.0	3.4	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	31	< 8.0	14	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	66	< 8.0	44	< 8.0	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	25	< 8.4	13	< 8.4	< 8.4

Parameter	Units	Limit of detection	Accreditation Status	1108903	1108904	1108905	1108906	1108907
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	7.9	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	43	< 10	< 10	< 10	12
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	51	< 10	< 10	< 10	27
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4

Analytical Report Number: 18-21358

Project / Site name: Fort Halstead

Your Order No: POP025916

Lab Sample Number				1108908	1108909	1108910	1108911	1108912
Sample Reference				BH605	BH606	BH606	WS603	WS604
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	0.50	1.10	0.20	0.30
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	23	16	18	14	14
Total mass of sample received	kg	0.001	NONE	0.37	0.39	0.45	0.50	0.53

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	Chrysotile	-	Amosite	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Detected	Not-detected	Detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	< 0.001	-	0.002	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	< 0.001	-	0.002	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.0	7.7	7.7	9.3	8.0
Free Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.030	0.034	0.032	1.5	0.028
Fraction Organic Carbon (FOC)	N/A	0.001	NONE	0.0015	0.0087	0.0035	0.010	0.013

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.28	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.22	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	2.5	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.55	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.35	< 0.05	3.1	0.32
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.29	< 0.05	2.6	0.28
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.16	< 0.05	1.6	0.20
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.20	< 0.05	1.6	0.17
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.20	< 0.05	1.5	0.19
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.19	< 0.05	1.2	0.20
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.19	< 0.05	1.6	0.22
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.21	< 0.05	0.91	< 0.05
Dibenzo(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	0.25	< 0.05	1.2	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	2.04	< 0.80	18.9	1.58
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	12	8.2	9.0	17	12
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.7	0.86	1.5	0.84	0.71
Boron (water soluble)	mg/kg	0.2	MCERTS	3.3	1.4	1.7	2.3	1.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	2.6	1.0	0.4	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	44	25	36	26	20
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	44	26	36	26	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	36	49	23	56	26
Lead (aqua regia extractable)	mg/kg	1	MCERTS	21	69	25	170	100
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	36	18	30	21	17
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	3.1	< 1.0	< 1.0	4.5
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	83	29	60	38	36
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	62	150	81	150	71



Analytical Report Number: 18-21358

Project / Site name: Fort Halstead

Your Order No: POP025916

Lab Sample Number				1108908	1108909	1108910	1108911	1108912
Sample Reference				BH605	BH606	BH606	WS603	WS604
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	0.50	1.10	0.20	0.30
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics								
Benzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	19	< 8.0	41	17
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	12	< 8.4

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	11	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	12	< 10	55	11
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	21	< 8.4

Analytical Report Number: 18-21358

Project / Site name: Fort Halstead

Your Order No: POP025916

Lab Sample Number				1108913	1108914	1108915	1108916	1108917
Sample Reference				WS604	WS605	WS606	WS608	WS608
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	0.20	0.60	0.30	0.70
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	35	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	20	11	20	17	22
Total mass of sample received	kg	0.001	NONE	0.47	1.2	0.45	0.48	0.45

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025					
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.8	7.6	5.1	6.1	6.6
Free Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1	< 1	< 1
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.018	0.011	0.028	0.010	0.015
Fraction Organic Carbon (FOC)	N/A	0.001	NONE	0.0047	0.015	0.0065	0.0089	0.0053

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.18	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.40	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.30	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.20	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.22	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.21	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.15	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.13	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.25	< 0.05
Dibenzo(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.38	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	2.42	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	13	11	16	9.8	12
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.0	1.6	1.9	1.1	1.5
Boron (water soluble)	mg/kg	0.2	MCERTS	2.1	1.4	1.9	1.2	1.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.5	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	43	29	47	25	44
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	43	29	47	25	44
Copper (aqua regia extractable)	mg/kg	1	MCERTS	18	39	28	23	22
Lead (aqua regia extractable)	mg/kg	1	MCERTS	20	42	19	41	21
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	19	22	28	27	29
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	2.1	2.9	< 1.0	2.7
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	70	43	78	44	81
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	46	79	78	61	59

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Project / Site name: Fort Halstead

Your Order No: POP025916

Lab Sample Number				1108913	1108914	1108915	1108916	1108917
Sample Reference				WS604	WS605	WS606	WS608	WS608
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.80	0.20	0.60	0.30	0.70
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics								
Benzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	2.1	3.5	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	16	13	8.2	< 8.0	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	2.5	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	12	< 10	< 10	< 10
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4



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Project / Site name: Fort Halstead

Your Order No: POP025916

Lab Sample Number	1108918	1108919	1108920			
Sample Reference	WS610	WS610	WS610			
Sample Number	None Supplied	None Supplied	None Supplied			
Depth (m)	0.15	0.80	2.50			
Date Sampled	Deviating	Deviating	Deviating			
Time Taken	None Supplied	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE	34	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	9.2	27	25
Total mass of sample received	kg	0.001	NONE	1.5	1.1	0.45

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.8	7.6	7.5
Free Cyanide	mg/kg	1	MCERTS	< 1	< 1	< 1
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.019	0.036	0.021
Fraction Organic Carbon (FOC)	N/A	0.001	NONE	0.016	0.0042	< 0.0010

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.1	21	19
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.68	3.9	10
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	0.8	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	< 0.2	16
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2
Chromium (III)	mg/kg	1	NONE	25	54	35
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	54	35
Copper (aqua regia extractable)	mg/kg	1	MCERTS	19	38	85
Lead (aqua regia extractable)	mg/kg	1	MCERTS	27	15	30
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18	57	460
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	12
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	34	84	96
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	50	180	340

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Lab Sample Number				1108918	1108919	1108920		
Sample Reference				WS610	WS610	WS610		
Sample Number				None Supplied	None Supplied	None Supplied		
Depth (m)				0.15	0.80	2.50		
Date Sampled				Deviating	Deviating	Deviating		
Time Taken				None Supplied	None Supplied	None Supplied		
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Monoaromatics								
Benzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
Toluene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
Ethylbenzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
p & m-xylene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
o-xylene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
MTBE (Methyl Tertiary Butyl Ether)	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001		
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001		
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001		
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0		
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0		
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0		
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4		

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001		
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001		
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001		
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0		
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10		
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10		
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4		



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Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
1108903	BH602	0.80	113	Loose Fibres	Chrysotile	0.002	0.002
1108909	BH606	0.50	106	Loose Fibres	Chrysotile	< 0.001	< 0.001
1108911	WS603	0.20	122	Loose Fibrous Debris	Amosite	0.002	0.002

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



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* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and topsoil/loam soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1108903	BH602	None Supplied	0.80	Brown clay and sand with gravel.
1108904	BH603	None Supplied	1.40	Brown sandy clay.
1108905	BH604	None Supplied	0.90	Brown clay and sand with gravel.
1108906	BH604	None Supplied	2.30	Brown sandy clay.
1108907	BH605	None Supplied	0.20	Brown loam and sand with gravel and vegetation.
1108908	BH605	None Supplied	1.00	Brown clay.
1108909	BH606	None Supplied	0.50	Brown loam and clay with gravel and vegetation.
1108910	BH606	None Supplied	1.10	Brown clay and sand with gravel.
1108911	WS603	None Supplied	0.20	Brown loam and sand with gravel and brick.
1108912	WS604	None Supplied	0.30	Brown loam and clay with gravel.
1108913	WS604	None Supplied	0.80	Brown clay and sand with gravel and vegetation.
1108914	WS605	None Supplied	0.20	Brown loam and sand with gravel and stones.
1108915	WS606	None Supplied	0.60	Brown clay with gravel.
1108916	WS608	None Supplied	0.30	Brown loam and clay with gravel and vegetation.
1108917	WS608	None Supplied	0.70	Brown clay with gravel.
1108918	WS610	None Supplied	0.15	Brown loam and sand with gravel and stones.
1108919	WS610	None Supplied	0.80	Light brown clay and sand with gravel.
1108920	WS610	None Supplied	2.50	Brown clay and sand with gravel.

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Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
Fraction of Organic Carbon in soil	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L009-PL	D	NONE
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazine followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	D	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS



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Project / Site name: Fort Halstead

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/cleanup.	L088/76-PL	W	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

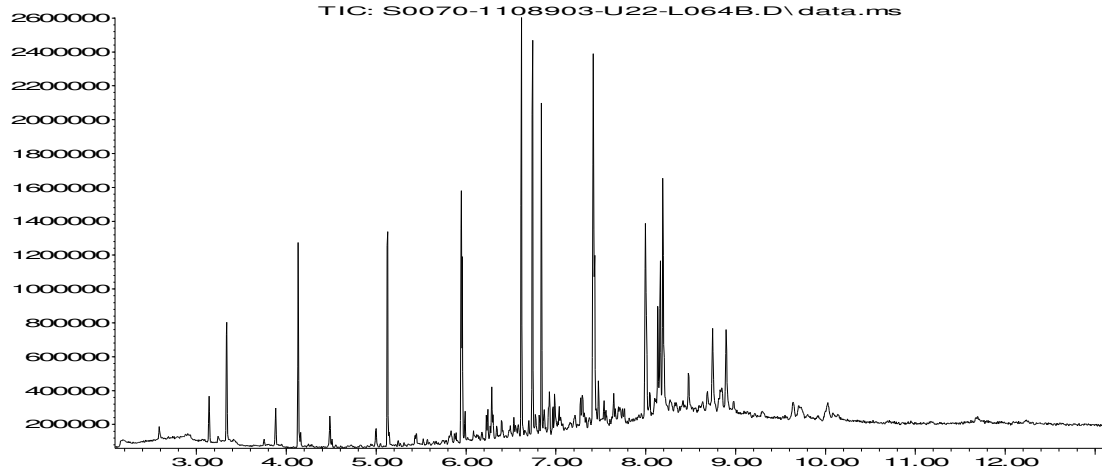
Sample Deviation Report



Sample ID	Other ID	Sample Type	Job	Sample Number	Sample Deviation Code	test_name	test_ref	Test Deviation code
BH602		S	18-21358	1108903	a			
BH603		S	18-21358	1108904	a			
BH604		S	18-21358	1108905	a			
BH604		S	18-21358	1108906	a			
BH605		S	18-21358	1108907	a			
BH605		S	18-21358	1108908	a			
BH606		S	18-21358	1108909	a			
BH606		S	18-21358	1108910	a			
WS603		S	18-21358	1108911	a			
WS604		S	18-21358	1108912	a			
WS604		S	18-21358	1108913	a			
WS605		S	18-21358	1108914	a			
WS606		S	18-21358	1108915	a			
WS608		S	18-21358	1108916	a			
WS608		S	18-21358	1108917	a			
WS610		S	18-21358	1108918	a			
WS610		S	18-21358	1108919	a			
WS610		S	18-21358	1108920	a			

Abundance

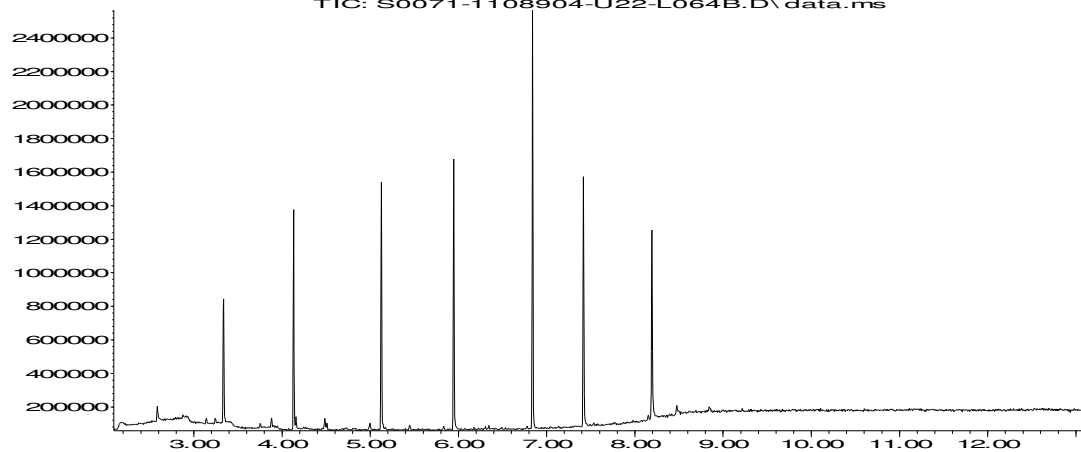
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Time-->

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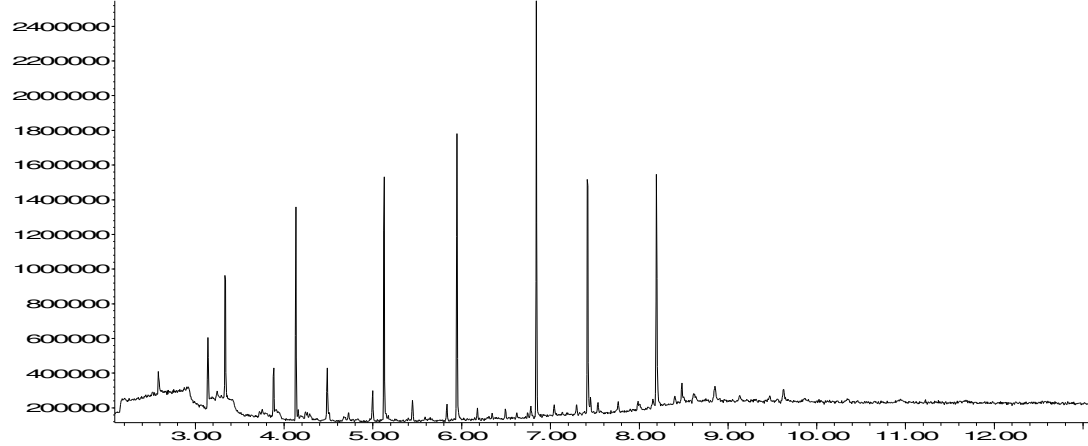
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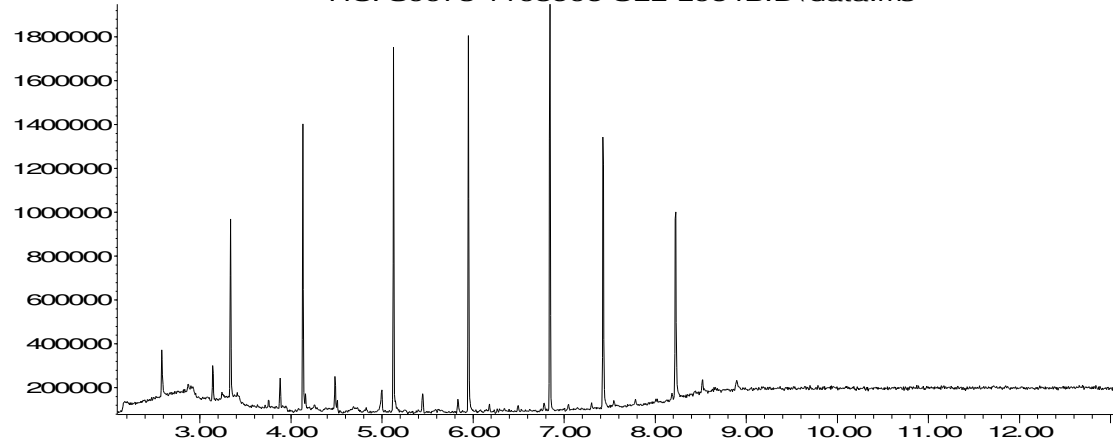
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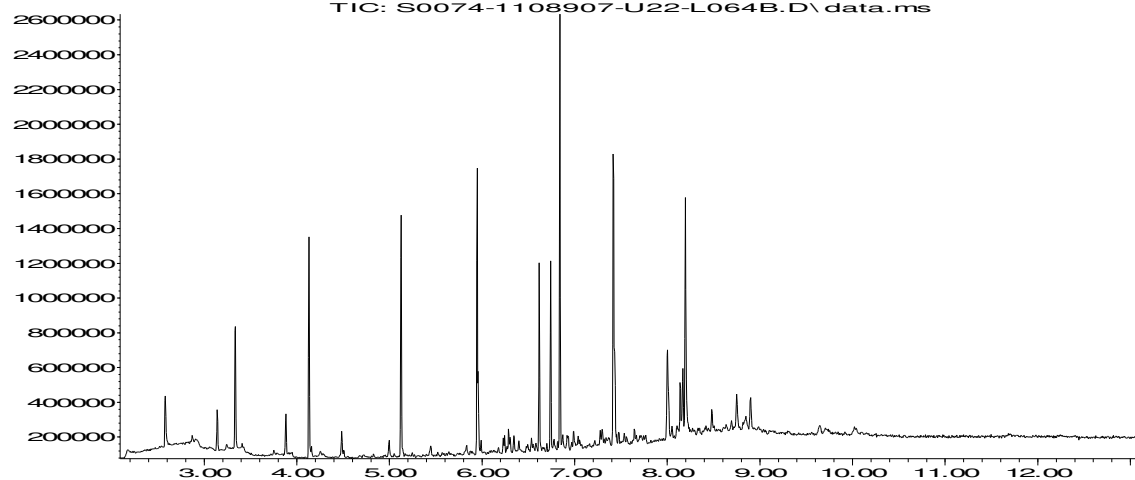
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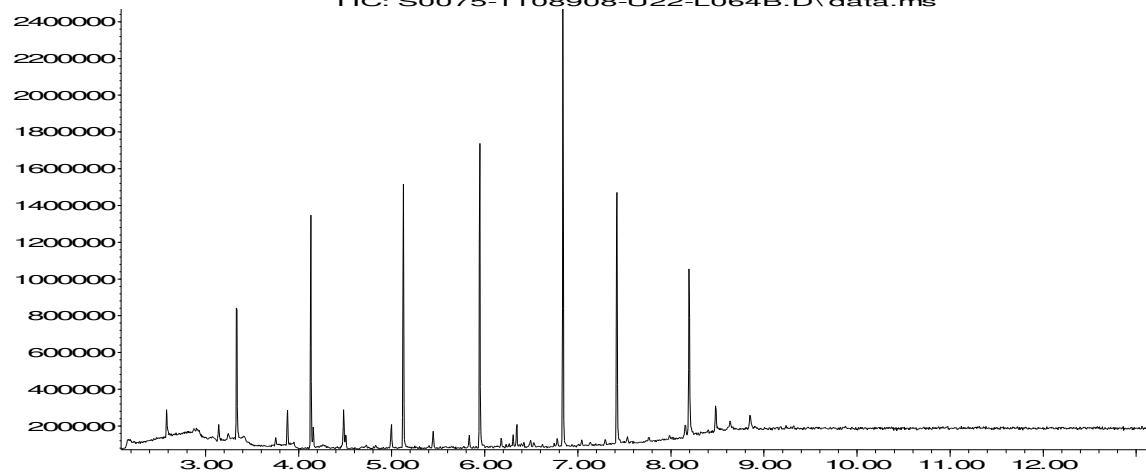
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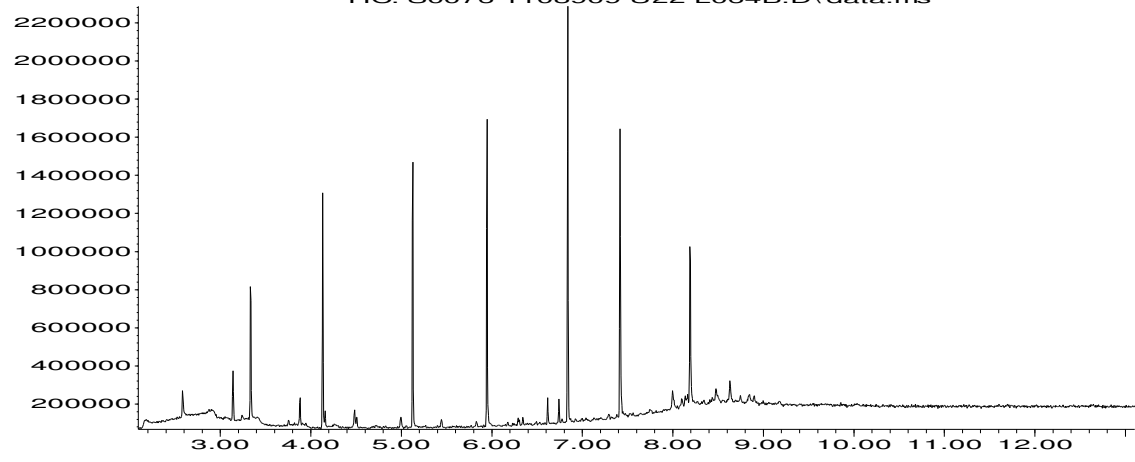
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Time-->

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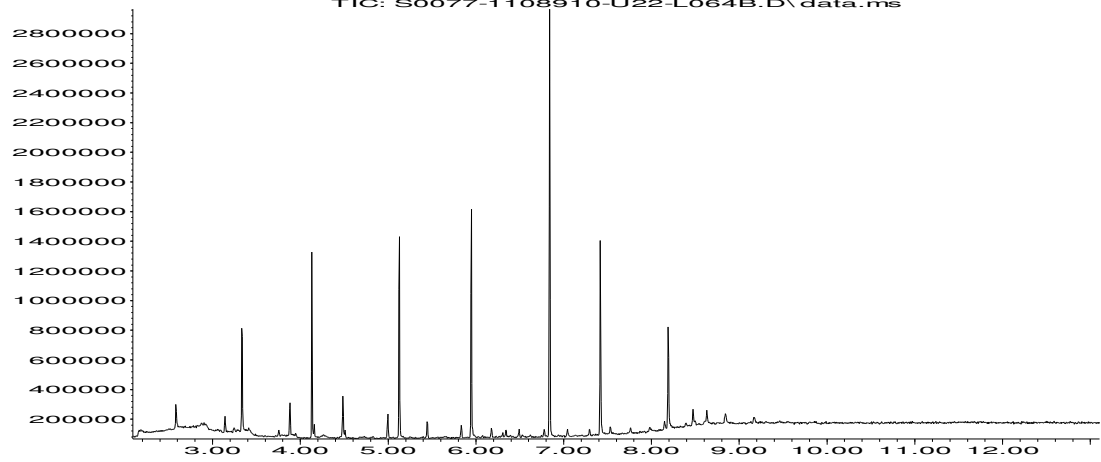
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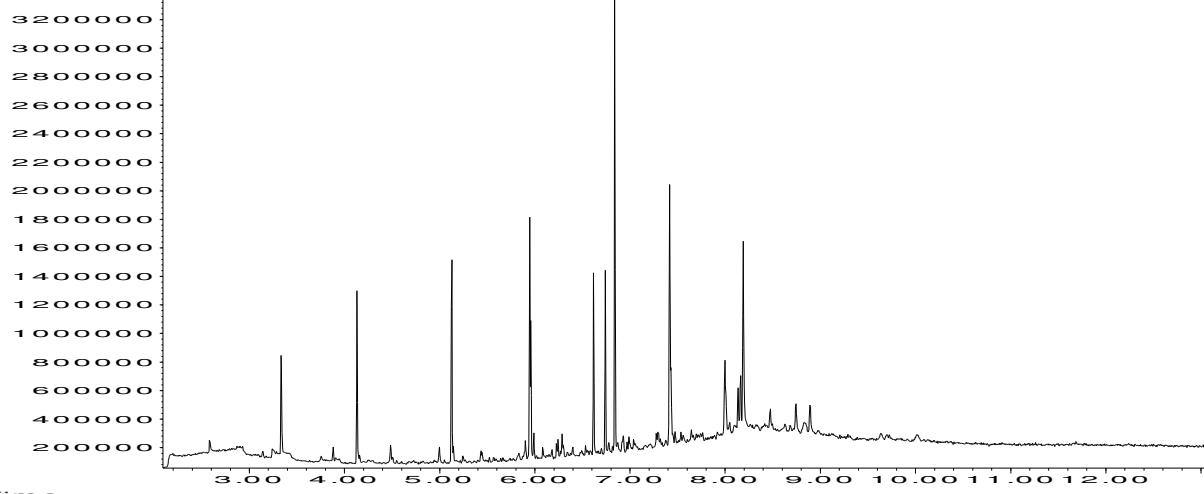
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Time-->

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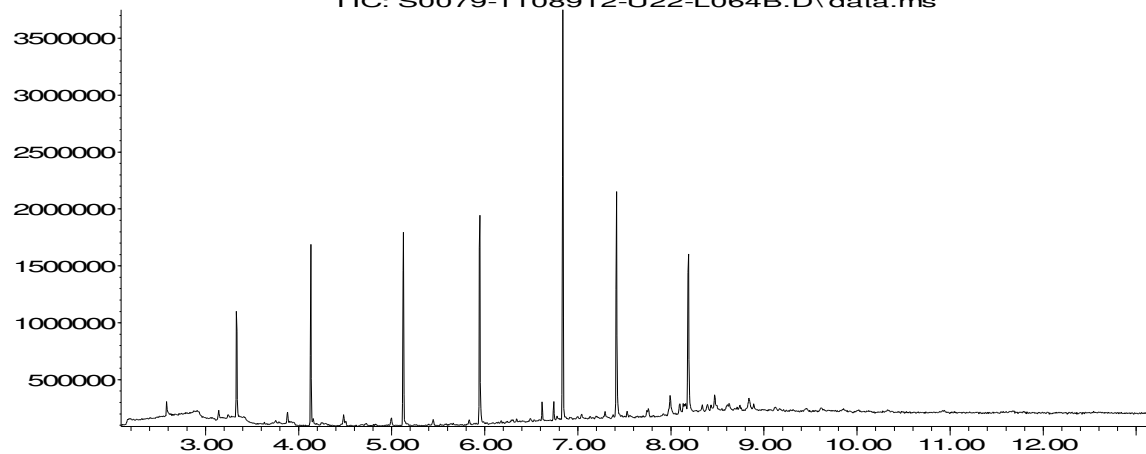
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Time-->

Abundance

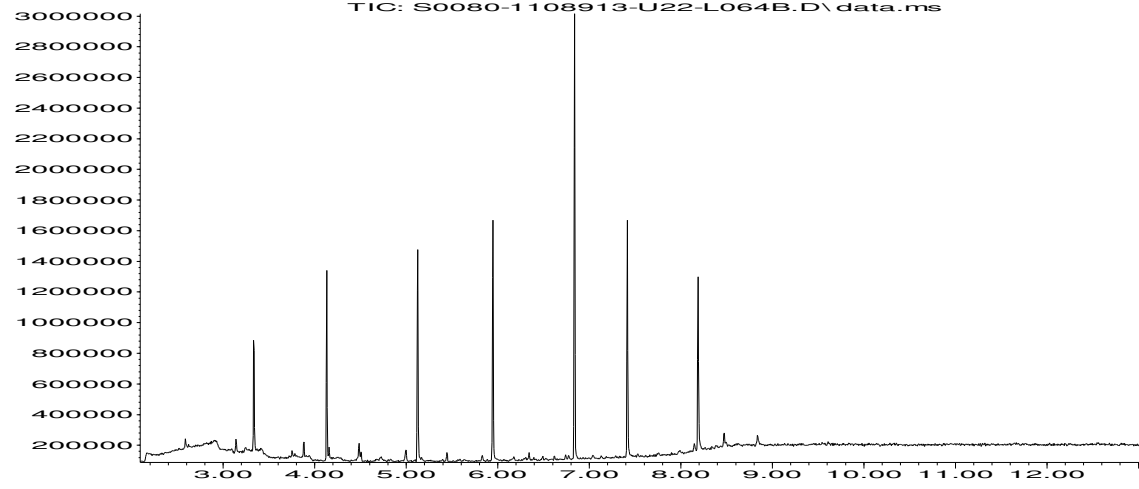
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Time-->

Abundance

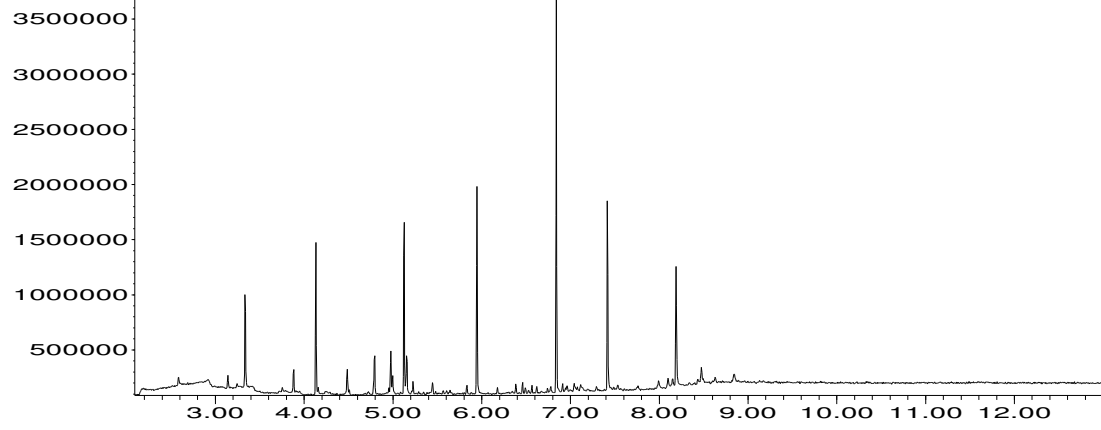
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Time-->

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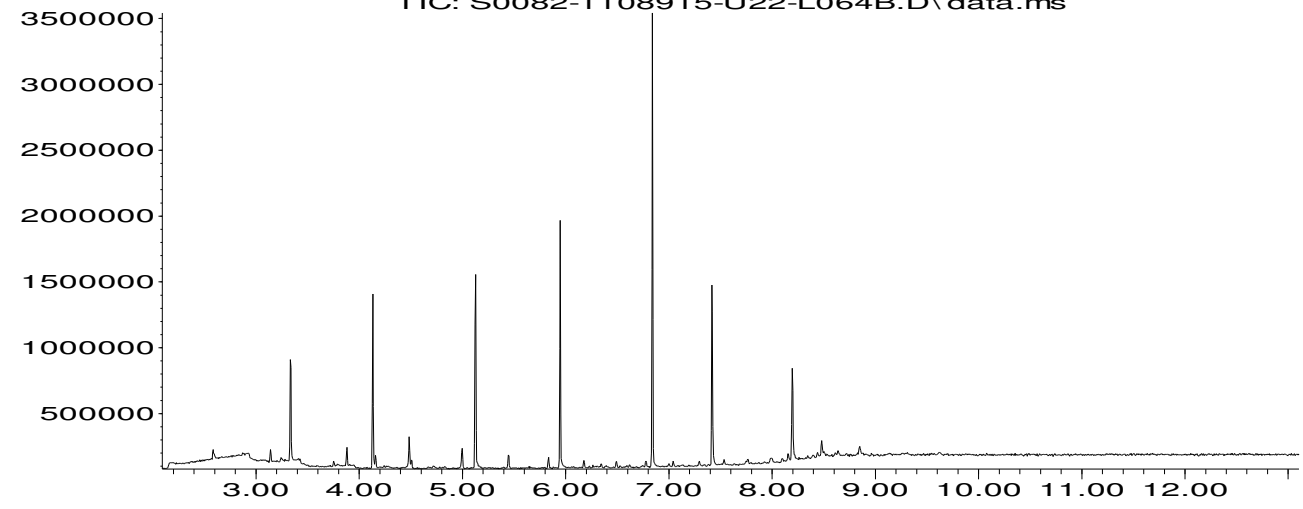
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Time-->

Abundance

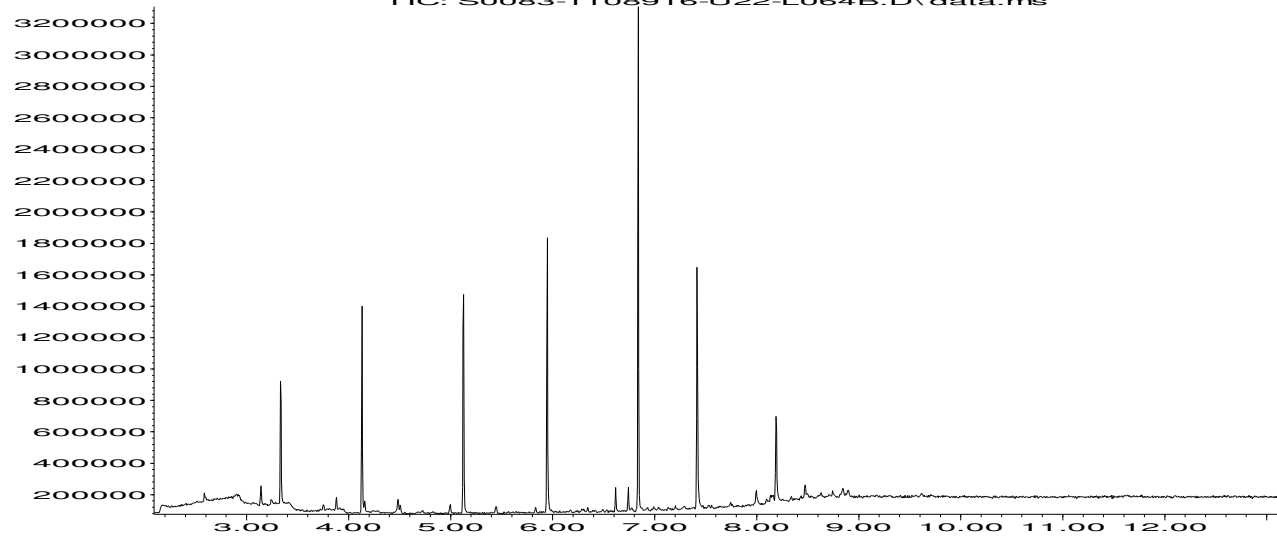
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Time-->

Abundance

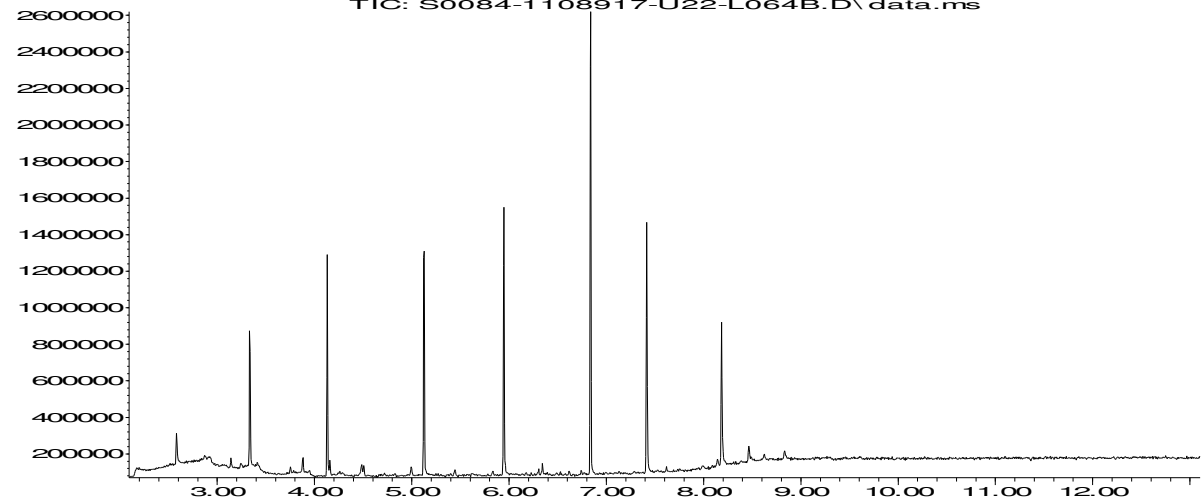
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Time-->

Abundance

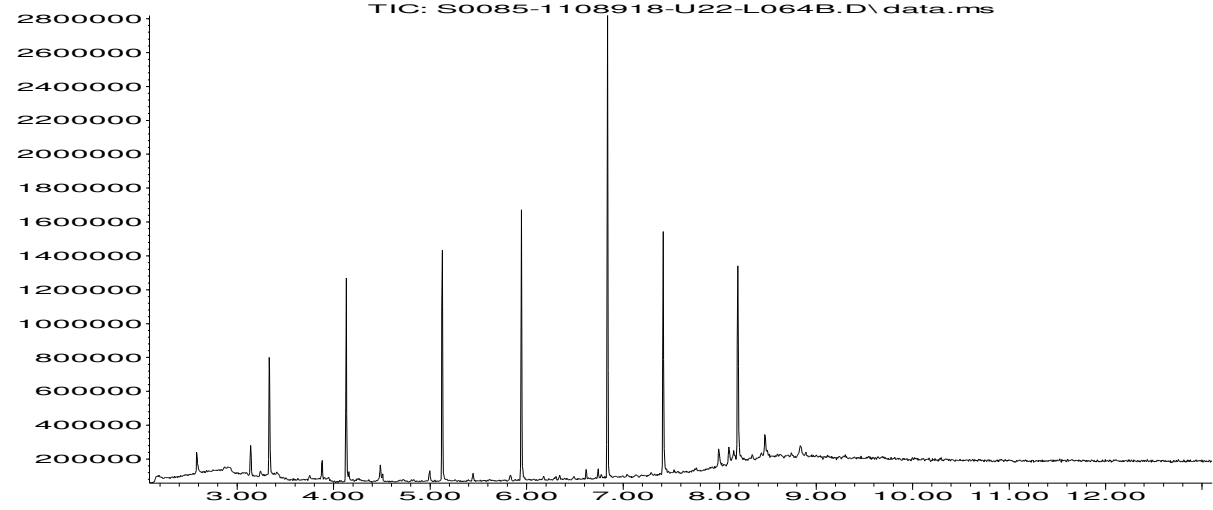
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Time-->

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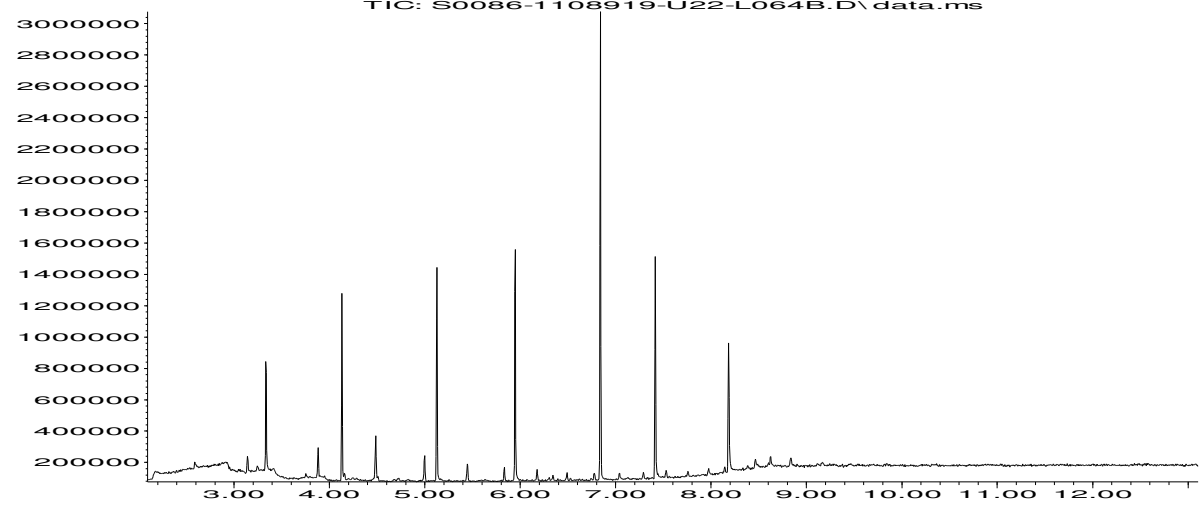
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Time-->

Abundance

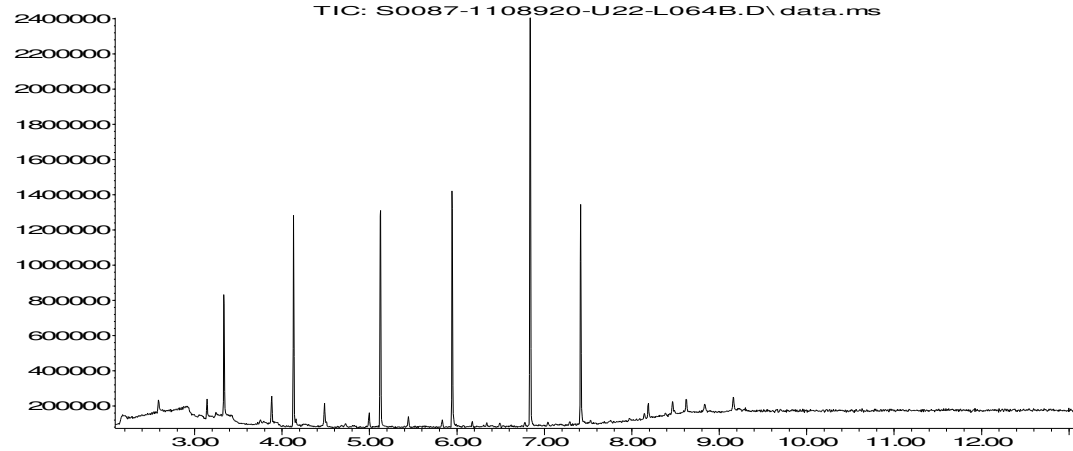
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Time-->

Abundance

TIC: S0087-1108920-U22-L064B.D\data.ms



Time-->



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Analytical Report Number : 18-21170

Project / Site name:	Fort Halstead	Samples received on:	05/12/2018
Your job number:	C-10730-C	Samples instructed on:	05/12/2018
Your order number:		Analysis completed by:	28/01/2019
Report Issue Number:	1	Report issued on:	28/01/2019
Samples Analysed:	5 soil samples		

Signed:

Dr Claire Stone
Quality Manager

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Analytical Report Number: 18-21170

Project / Site name: Fort Halstead

Lab Sample Number				1107792	1107793	1107794	1107795	1107796
Sample Reference				BH601	BH602	WS601	WS602	WS603
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.25	0.20	0.40
Date Sampled				19/11/2018	20/11/2018	21/11/2018	21/11/2018	21/11/2018
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	-	54	< 0.1	< 0.1	-
Moisture Content	%	N/A	NONE	-	11	14	18	-
Total mass of sample received	kg	0.001	NONE	-	0.53	0.38	0.52	-

Asbestos in Soil	Type	N/A	ISO 17025	-	Not-detected	Not-detected	Not-detected	-
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	6.7	6.7	7.2	-
Free Cyanide	mg/kg	1	MCERTS	-	< 1	< 1	< 1	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.017	0.019	0.014	-
Fraction Organic Carbon (FOC)	N/A	0.001	NONE	-	0.010	0.018	0.026	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.28	-
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.63	-
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.55	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.36	-
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.36	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.53	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.25	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.47	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.26	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.29	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	< 0.80	< 0.80	3.98	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	11	11	12	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	1.1	0.86	0.89	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	1.1	1.0	2.2	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	< 0.2	0.5	0.4	-
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	< 1.2	< 1.2	< 1.2	-
Chromium (III)	mg/kg	1	NONE	-	29	29	19	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	29	29	19	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	22	65	33	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	48	73	100	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	25	18	20	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	2.7	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	48	38	41	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	65	140	140	-

Analytical Report Number: 18-21170

Project / Site name: Fort Halstead

Lab Sample Number	1107792			1107793		1107794		1107795		1107796	
Sample Reference	BH601			BH602		WS601		WS602		WS603	
Sample Number	None Supplied			None Supplied		None Supplied		None Supplied		None Supplied	
Depth (m)	0.20			0.20		0.25		0.20		0.40	
Date Sampled	19/11/2018			20/11/2018		21/11/2018		21/11/2018		21/11/2018	
Time Taken	None Supplied			None Supplied		None Supplied		None Supplied		None Supplied	
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status								

Monoaromatics

Compound	Units	Limit of detection	Accreditation Status	1107792	1107793	1107794	1107795	1107796
Benzene	ug/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Toluene	ug/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Ethylbenzene	ug/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
p & m-xylene	ug/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
o-xylene	ug/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	ug/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic > EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aliphatic > EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aliphatic > EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aliphatic > EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
TPH-CWG - Aliphatic > EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	< 2.0	< 2.0	-
TPH-CWG - Aliphatic > EC16 - EC21	mg/kg	8	MCERTS	-	< 8.0	< 8.0	< 8.0	-
TPH-CWG - Aliphatic > EC21 - EC35	mg/kg	8	MCERTS	-	< 8.0	< 8.0	< 8.0	-
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	< 8.4	< 8.4	-

TPH-CWG - Aromatic > EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aromatic > EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aromatic > EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aromatic > EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
TPH-CWG - Aromatic > EC12 - EC16	mg/kg	2	MCERTS	-	< 2.0	< 2.0	< 2.0	-
TPH-CWG - Aromatic > EC16 - EC21	mg/kg	10	MCERTS	-	< 10	< 10	< 10	-
TPH-CWG - Aromatic > EC21 - EC35	mg/kg	10	MCERTS	-	< 10	< 10	< 10	-
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	-	< 8.4	< 8.4	< 8.4	-

Subcontracted Analysis

Explosives	Type	N/A	NONE	See Attached	See Attached	See Attached	See Attached	See Attached



Analytical Report Number : 18-21170

Project / Site name: Fort Halstead

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and topsoil/loam soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1107792	BH601	None Supplied	0.20	-
1107793	BH602	None Supplied	0.20	Light brown clay and sand with gravel and stones.
1107794	WS601	None Supplied	0.25	Light brown clay and sand with gravel and vegetation.
1107795	WS602	None Supplied	0.20	Brown clay and loam with gravel and vegetation.
1107796	WS603	None Supplied	0.40	-

Analytical Report Number : 18-21170

Project / Site name: Fort Halstead

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Cr (III) in soil	In-house method by calculation from total Cr and Cr VI.	In-house method by calculation	L080-PL	W	NONE
Explosives to BAE in Soil - Subcon	Explosives analysis in Soil - Subcontracted to BAE Systems.	Subcontracted Analysis - See Attached Subcon Report.		W	NONE
Fraction of Organic Carbon in soil	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L009-PL	D	NONE
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphénylcarbazine followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	D	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE

Iss No 18-21170-1 Fort Halstead C-10730-C

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The results included within the report are representative of the samples submitted for analysis.

Page 5 of 7



Analytical Report Number : 18-21170

Project / Site name: Fort Halstead

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Sample Deviation Report



Sample ID	Other ID	Sample Type	Job	Sample Number	Sample Deviation Code	test_name	test_ref	Test Deviation code
BH602		S	18-21170	1107793	c	Free cyanide in soil	L080-PL	c
BH602		S	18-21170	1107793	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
WS601		S	18-21170	1107794	c	Free cyanide in soil	L080-PL	c
WS602		S	18-21170	1107795	c	Free cyanide in soil	L080-PL	c

TEST CERTIFICATE

Certificate No: BC0292/18

Site : 18-21170 Fort Halstead

Ref : 43X00631

Client : I2 Analytical

Date Received : 07/12/2018

Address : 7 Woodshots Meadow
Croxley Green Business Park
Watford

Date Completed : 12/12/2018

Date Of Report : 12/12/2018

WD18 8YS

Attention : Project Manager

Accreditation Key:

U = UKAS

M = UKAS & MCERTS

S = Subcontracted Tests

Test Methods

Deviating Sample(s)

This test certificate contains deviating samples: See Notes

Extended Explosives Suite

using method ESAL/QC/4 parts a j k LCMS Soils HPLC Soils and either l or m

Approved :



Mr D.C. Poole

Laboratory manager

Mr P.D. Hart

Senior Analyst



1764

BAE SYSTEMS

REAL SOLUTIONS. REAL ADVANTAGE.

TABLE OF RESULTS

Soil - Defence (Part 1 of 2)

Lab Code	20185033		20185034		20185035		20185036	
Client Ref A	1107792 BH601		1107793 BH602		1107794 WS601		1107795 WS602	
Client Ref B	0.20m		0.20m		0.25m		0.20m	
Client Ref C	19/11/18		20/11/18		21/11/18		21/11/18	
Sample Type	Soil		Soil		Soil		Soil	
Soil Type	Top Soil (Standard)		Top Soil (Standard)		Clay - Brown		Clay - Brown	
NC Colour	-ve	U	-ve	U	-ve	U	-ve	U
NC Colourimetric	<5000	mg/kg U	<5000	mg/kg U	<5000	mg/kg U	<5000	mg/kg U
HMX	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M
RDX	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M
EGDN	<1	mg/kg M	<1	mg/kg M	<1	mg/kg M	<1	mg/kg M
1,3,5-Trinitrobenzene	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M
Tetryl	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M
1,3-Dinitrobenzene	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M
Nitrobenzene	<2	mg/kg M	<2	mg/kg M	<2	mg/kg M	<2	mg/kg M
NG	<1	mg/kg M	<1	mg/kg M	<1	mg/kg M	<1	mg/kg M
4-Amino-2,6-DNT	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M
TNT	<0.05	mg/kg M	<0.05	mg/kg M	<0.05	mg/kg M	<0.05	mg/kg M
2-Amino-4,6-DNT	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M	<0.5	mg/kg M
2,6-DNT	<0.1	mg/kg M	<0.1	mg/kg M	<0.1	mg/kg M	<0.1	mg/kg M
2,4-DNT	<0.1	mg/kg M	<0.1	mg/kg M	<0.1	mg/kg M	<0.1	mg/kg M
HNS	<0.1	mg/kg M	<0.1	mg/kg M	<0.1	mg/kg M	<0.1	mg/kg M
2-Nitrotoluene	<2	mg/kg M	<2	mg/kg M	<2	mg/kg M	<2	mg/kg M
4-Nitrotoluene	<2	mg/kg M	<2	mg/kg M	<2	mg/kg M	<2	mg/kg M
PETN	<1	mg/kg M	<1	mg/kg M	<1	mg/kg M	<1	mg/kg M
3-Nitrotoluene	<2	mg/kg M	<2	mg/kg M	<2	mg/kg M	<2	mg/kg M
Picrite	<0.25	mg/kg M	<0.25	mg/kg M	<0.25	mg/kg M	<0.25	mg/kg M
Picric Acid	<0.1	mg/kg M	<0.1	mg/kg M	<0.1	mg/kg M	<0.1	mg/kg M

TABLE OF RESULTS

Soil - Defence (Part 2 of 2)

Lab Code	20185037		
Client Ref A	1107796 WS603		
Client Ref B	0.40m		
Client Ref C	21/11/18		
Sample Type	Soil		
Soil Type	Clay - Brown		
NC Colour	-ve		U
NC Colourimetric	<5000	mg/kg	U
HMX	<0.5	mg/kg	M
RDX	<0.5	mg/kg	M
EGDN	<1	mg/kg	M
1,3,5-Trinitrobenzene	<0.5	mg/kg	M
Tetryl	<0.5	mg/kg	M
1,3-Dinitrobenzene	<0.5	mg/kg	M
Nitrobenzene	<2	mg/kg	M
NG	<1	mg/kg	M
4-Amino-2,6-DNT	<0.5	mg/kg	M
TNT	<0.05	mg/kg	M
2-Amino-4,6-DNT	<0.5	mg/kg	M
2,6-DNT	<0.1	mg/kg	M
2,4-DNT	<0.1	mg/kg	M
HNS	<0.1	mg/kg	M
2-Nitrotoluene	<2	mg/kg	M
4-Nitrotoluene	<2	mg/kg	M
PETN	<1	mg/kg	M
3-Nitrotoluene	<2	mg/kg	M
Picrite	<0.25	mg/kg	M
Picric Acid	<0.1	mg/kg	M

COMMENTS AND DEPARTURES FROM STANDARD PROCEDURES

Lab ID	Client Descriptions		Notes
20185033	1107792 BH601	0.20m	Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid.
20185034	1107793 BH602	0.20m	Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid.
20185035	1107794 WS601	0.25m	Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid.
20185036	1107795 WS602	0.20m	Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid.
20185037	1107796 WS603	0.40m	Client references indicate that the sampling date exceeds allowable holding time for all tests. Therefore, this sample is deemed as deviating and as a consequence all test results may be invalid.

NOTES

1. This test report shall not be reproduced except in full, without written approval of the laboratory.
2. All results for soil samples are reported based on dry weight of soil which has been air-dried in open, shallow trays at temperatures below 30°C and subsequently ground and sieved to pass through a nominal 710µm aperture sieve. Prior to grinding, any material which is retained on a sieve of mesh size 4.5mm is discarded. Analysis is carried out directly on these prepared soils with the exception of volatile organic compounds and petrol range organic compounds. These analyses are carried out on the soil "As Received" and corrected for the dry weight (at 105°C) prior to reporting.
3. BAE Systems does not correct results for analytical recoveries.
4. All samples were received in good condition unless otherwise stated. Results provided by the Laboratory are based on samples submitted by clients. Once submitted, samples requiring analysis are stored at below 7 °C. The Laboratory cannot be held responsible for the storage, condition or preservation of samples prior to arrival.
5. Validation studies indicate that the concentration of nitrocellulose in high organic content soils may be overestimated.
6. A value of NQ indicates that a quantitative result could not be obtained because doping trials showed that the compound was retained by the matrix.
7. Soil descriptions are given in order to provide a log of sample matrices submitted and are not intended as full geological descriptions.
8. The initials or common names used for reporting explosives relate to the following compounds: Nitrocellulose(NC); Cyclotetramethylene Tetranitramine (HMX); Cyclo-1,3,5-Trimethylene-2,4,6-Trinitramine (RDX); Ethylene Glycol Dinitrate (EGDN); 2,4,6-Trinitro-Phenylmethyl Nitramine (Tetryl); Glycerol Trinitrate (NG); 2,4,6-Trinitrotoluene (TNT); Pentaerythritol Tetranitrate (PETN); Hexanitro-Stilbene (HNS); Nitroguanidine (Picrite); 2,4,6-Trinitro Phenol (Picric Acid); 2,4-Dinitrotoluene (2,4-DNT); 2,6-Dinitrotoluene (2,6-DNT), 2-Amino-4,6-Dinitrotoluene (2-Amino-4,6-DNT), 4-Amino-4,6-Dinitrotoluene (4-Amino-2,6-DNT).
9. Some reporting limits may be raised due to poor recovery of internal standard or dilution of highly contaminated samples.
10. In unacidified waters Tetryl, 1,3,5-TNB, 1,3-DNB and TNT are unstable decaying rapidly over a few days or less depending on the sample matrix. 2-Amino-4,6-DNT, 2,6-DNT and 2,4-DNT are generally more stable depending on the sample matrix, but are likely to show significant loss after three weeks. HMX, RDX, EGDN, PETN, NB, MNT isomers, 4-Amino-2,6-DNT, Picrite and Picric acid are relatively stable after three weeks in unpreserved water samples. These comments are based on laboratory in house trials in surface and ground waters and results from literature searches.
11. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

End of Report BC0292/18

Assessment of Chemicals of Potential Concern to Human Health



Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Soil Type Location & Depth GAC	All values in mg/kg unless otherwise stated																	
							MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	MG	Nat	Nat			
							2M2 0.0 0.6	TP608 0.30	TP608 1.20	TP532 0.10	TP532 0.40	TP532 1.50	TP565 0.30	TP565 0.70	TP566 0.10	TP566 0.30	TP566 1.00	TP557 0.10	TP557 0.20	TP558 0.50	TP558 0.20			
Arsenic	1	62	1	37	0	170	10	10	9.5	37	14	7.8	13	8.9	12	11	14	7.8	8.2	1	9.6			
Beryllium	0.06	52	0.06	13	0	670		0.72	2.3	1.4	2.1	0.74	0.74	1.3	1.5	2.3	9	2.4	2.8	0.06	3.2			
Boron	0.2	62	0.2	5	0	46000	1	1.7	1.2	0.6	0.9	0.3	1.5	1.1	0.8	0.6	1	1.7	2.4	0.2	0.7			
Cadmium	0.2	62	0.2	3	0	560	1	0.3	0.5	0.2	0.4	0.2	0.3	0.2	0.5	0.5	1	1	1.2	0.2	0.9			
Chromium (III)	1	62	1.2	841	0	27000	22	19	37	43	37	37	19	38	26	33	67	24	28	1.6	35			
Chromium (VI)	1.2	30	1.2	44	0	220		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2			
Copper	1	62	1	112	0	44000	23	45	26	23	27	13	37	21	36	27	52	22	26	5.8	18			
Lead	2	62	2.5	744	0	1300	95	130	18	17	42	12	96	12	320	25	22	26	32	2.6	18			
Mercury, inorganic	0.3	62	0.3	41	0	1100	1	0.3	0.3	0.5	0.3	0.3	0.5	0.4	0.5	0.3	0.5	0.6	0.3	0.3	0.3			
Nickel	2	62	1	411	0	800	9	15	39	17	31	5	18	25	30	41	110	43	62	4.3	44			
Selenium	1	62	1	21	0	2600	1	1	1	1	1.8	1	1	1	1	1	1.2	1	2.2	1	1			
Vanadium	1	52	3.4	140	0	5000		35	60	90	57	54	28	62	44	54	110	47	57	3.4	56			
Zinc	2	62	12	4705	0	170000	79	290	67	43	83	12	100	45	110	86	200	100	170	21	95			
Cyanide (free)	1	30	1	1.000001	0	3400		1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Phenol (total)	2	30	1	1.000001	0	760		1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Acenaphthene	0.05	36	0.014	2.7	0	29000		0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Acenaphthylene	0.05	36	0.017	0.48	0	29000		0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1			
Anthracene	0.05	36	0.022	7.4	0	150000		0.45	0.05	0.1	0.1	0.1	0.12	0.1	0.28	0.1	0.1	0.1	0.1	0.1	0.1			
Benz(a)anthracene	0.05	36	0.037	23	0	26		2.5	0.05	0.1	0.1	0.1	0.59	0.1	3	0.1	0.1	0.1	0.1	0.1	0.1			
Benzo(a)pyrene	0.05	36	0.027	17	1	4.5		3.2	0.05	0.1	0.1	0.1	0.71	0.1	1.8	0.1	0.1	0.1	0.1	0.1	0.1			
Benzo(b)fluoranthene	0.05	36	0.027	23	0	30		3.7	0.05	0.1	0.1	0.1	0.52	0.1	2.5	0.1	0.1	0.1	0.1	0.1	0.1			
Benzo(ghi)perylene	0.05	36	0.02	10	0	270		1.9	0.05	0.05	0.05	0.05	0.49	0.05	1.1	0.05	0.05	0.05	0.05	0.05	0.05			
Benzo(k)fluoranthene	0.05	36	0.025	11	0	46		1.5	0.05	0.1	0.1	0.1	0.55	0.1	1.9	0.1	0.1	0.1	0.1	0.1	0.1			
Chrysene	0.05	36	0.04	18	0	34		2.5	0.05	0.05	0.05	0.05	0.63	0.05	2	0.05	0.05	0.05	0.05	0.05	0.05			
Dibenz(a,h)anthracene	0.05	36	0.008	2.1	0	4.5		0.47	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Fluoranthene	0.05	36	0.05	57	0	6300		4.9	0.05	0.1	0.1	0.1	1.3	0.1	3.9	0.1	0.1	0.1	0.1	0.1	0.1			
Fluorene	0.05	36	0.012	2.2	0	20000		0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Indeno(1,2,3,cd)pyrene	0.05	36	0.024	7.9	0	17		1.7	0.05	0.1	0.1	0.1	0.37	0.1	0.99	0.1	0.1	0.1	0.1	0.1	0.1			
Naphthalene	0.05	36	0.015	0.29	0	1100		0.05	0.05	0.05	0.05	0.05	0.16	0.05	0.29	0.05	0.05	0.05	0.05	0.05	0.05			
Phenanthrene	0.05	36	0.05	29	0	6200		2.2	0.05	0.1	0.1	0.1	0.8	0.1	0.98	0.1	0.1	0.1	0.1	0.1	0.1			
Pyrene	0.05	36	0.05	49	0	15000		4.4	0.05	0.1	0.1	0.1	1	0.1	3.7	0.1	0.1	0.1	0.1	0.1	0.1			
Asbestos identified	Y/N							N	N	N	N	N	N	N	Y	N	N	N	N	N	N			
FOC (dimensionless)	0.009037	(mean)						0.013	0.0038	0.0031	0.014	0.001	0.0058	0.001	0.012	0.0034	0.0012	0.024	0.021	0.001	0.0081			
SOM (calculated)	1.56%	(mean)						2.24%	0.66%	0.53%	2.41%	0.17%	1.00%	0.17%	2.07%	0.59%	0.21%	4.14%	3.62%	0.17%	1.40%			
pH (su)	7.9	(mean)						7.8	7.7	7.1	6.8	7.4	10.4	8.2	9.2	8.1	7.3	7.7	7.8	8.5				

Risk parameter: Human health - POS park (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC). MG denotes Made Ground NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Human Health



Chemical of Potential Concern	All values in mg/kg unless otherwise stated																								
	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Soil Type		MG		MG		MG		MG		MG		MG		MG					
						Location & Depth	Nat	MG	MG	MG	MG	Nat	MG	Nat	Nat	Nat	MG	MG	MG	MG	Nat	MG	Nat	MG	
						TP559	BH555	TP527	TP553	TP553	TP553	TP515	HD7	HD8	HD5	HD6	2A1	2A1	2A2	MG	Nat	MG	Nat	MG	
						0.40	0.3	0.1	0.5	1	2.5	0.3	0.15-0.2m	0.2m	0.25m	0.2m	0.2 0.7	3.7 4.0	0.0 0.2	0.3 0.4	1.0 1.1	0.1 0.5	0.0 0.45	0.3	
Arsenic	1	62	1	37	0	170	2.2	9.9	17	8.4	12	15	16	5	4	8	6	12	20	12	10	11	6	10	5
Beryllium	0.06	52	0.06	13	0	670	0.06	3.6	2.5	2.4	1.3	2.3	4.2	2	2	1	1								
Boron	0.2	62	0.2	5	0	46000	1.2	2.5	1.4	5	1.1	1.5	1.9	1	1	1	1	1	1	1	1	1	1	1	1
Cadmium	0.2	62	0.2	3	0	560	0.2	1.3	0.7	0.2	0.2	0.2	0.6	1	1	1	1	1	3	1	1	1	1	1	1
Chromium (III)	1	62	1.2	841	0	27000	6.2	27	1.2	24	27	50	1.2	35	50	30	28	38	841	58	40	37	22	40	33
Chromium (VI)	1.2	30	1.2	44	0	220	1.2	1.2	44	1.2	1.2	1.2	35												
Copper	1	62	1	112	0	44000	4.8	33	75	88	27	48	48	15	18	112	35	7	1	66	77	6	10	2	2
Lead	2	62	2.5	744	0	1300	2.5	47	95	12	31	38	38	36	40	65	157	26	744	22	185	19	24	25	20
Mercury, inorganic	0.3	62	0.3	41	0	1100	0.3	0.3	0.4	0.3	0.5	0.3	0.3	1	1	2	3	1	41	1	1	1	1	1	1
Nickel	2	62	1	411	0	800	6.4	53	43	67	35	59	130	21	40	20	26	6	411	14	21	1	6	1	5
Selenium	1	62	1	21	0	2600	1	1.7	1.6	1	1.5	1.4	1.6	3	3	3	3	1	21	1	2	1	1	1	2
Vanadium	1	52	3.4	140	0	5000	3.8	53	53	120	53	100	68	69	107	57	52								
Zinc	2	62	12	4705	0	170000	17	100	130	79	61	97	160	85	120	101	124	36	4705	121	250	28	35	20	24
Cyanide (free)	1	30	1	1.000001	0	3400	1	1	1	1	1	1	1												
Phenol (total)	2	30	1	1.000001	0	760	1	1	1	1	1	1	1												
Acenaphthene	0.05	36	0.014	2.7	0	29000	0.1	2.7	0.1	0.1	0.1	0.1	0.1												
Acenaphthylene	0.05	36	0.017	0.48	0	29000	0.1	0.48	0.1	0.1	0.1	0.1	0.1												
Anthracene	0.05	36	0.022	7.4	0	150000	0.1	7.4	0.1	0.1	0.1	0.1	0.1												
Benz(a)anthracene	0.05	36	0.037	23	0	26	0.1	23	0.1	0.23	0.44	0.46	0.1												
Benzo(a)pyrene	0.05	36	0.027	17	1	4.5	0.1	17	0.1	0.1	0.1	0.27	0.1												
Benzo(b)fluoranthene	0.05	36	0.027	23	0	30	0.1	23	0.1	0.1	0.36	0.43	0.1												
Benzo(ghi)perylene	0.05	36	0.02	10	0	270	0.05	10	0.05	0.05	0.05	0.05	0.05												
Benzo(k)fluoranthene	0.05	36	0.025	11	0	46	0.1	11	0.1	0.1	0.24	0.21	0.1												
Chrysene	0.05	36	0.04	18	0	34	0.05	18	0.05	0.2	0.41	0.59	0.05												
Dibenz(a,h)anthracene	0.05	36	0.008	2.1	0	4.5	0.1	2.1	0.1	0.1	0.1	0.1	0.1												
Fluoranthene	0.05	36	0.05	57	0	6300	0.1	57	0.1	0.31	0.84	1	0.1												
Fluorene	0.05	36	0.012	2.2	0	20000	0.1	2.2	0.1	0.1	0.1	0.1	0.1												
Indeno(1,2,3,cd)pyrene	0.05	36	0.024	7.9	0	17	0.1	7.9	0.1	0.1	0.1	0.1	0.1												
Naphthalene	0.05	36	0.015	0.29	0	1100	0.05	0.05	0.05	0.05	0.05	0.05	0.05												
Phenanthrene	0.05	36	0.05	29	0	6200	0.1	29	0.1	0.39	0.43	0.96	0.1												
Pyrene	0.05	36	0.05	49	0	15000	0.1	49	0.1	0.27	0.66	0.88	0.1												
Asbestos identified	Y/N						N	N	N	N	N	N	N												
FOC (dimensionless)	0.009037	(mean)				0.001	0.036	0.018	0.014	0.0082	0.0033	0.0053													
SOM (calculated)	1.56%	(mean)				0.17%	6.21%	3.10%	2.41%	1.41%	0.57%	0.91%													
pH (su)	7.9	(mean)				8.6	7.6	6.6	10.7	9	6.9	5.4	7.96	7.98	7.92	7.89									

Risk parameter: Human health - POS park (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	Nat	MG	MG	MG	MG	MG	MG	Nat	Nat	Nat	Nat	MG	Nat	Nat	Nat	Nat	MG	MG	MG	
						Location & Depth	1S3	RES-HD4	RES-HD5	RES-HD6	RES-HD3	RES-HD1	RES-HD2	R-HD7	R-HD7	R-HD8	R-HD8	HD9	HD10	HD7	HD8	HD5	HD6	HD3	HD4	
							1.3	0.3m	0.2m	0.15m	0.3m	0.3m	0.2m	0.3m	0.6m	0.2m	0.5m	0.3m	0.25m	0.15-0.2m	0.2m	0.25m	0.2m	0.15m	0.1m	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																				
Arsenic	1	62	1	37	0	170	11	1	1	4	3	4	1	6	11	7	9	5	3	5	4	8	6	1	1	
Beryllium	0.06	52	0.06	13	0	670		7	7	3	1	2	8	1	1	1	1	1	2	2	2	1	1	1	1	
Boron	0.2	62	0.2	5	0	46000	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Cadmium	0.2	62	0.2	3	0	560	1	2	2	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	
Chromium (III)	1	62	1.2	841	0	27000	57	45	49	105	25	44	50	37	80	42	51	19	40	35	50	30	28	25	25	
Chromium (VI)	1.2	30	1.2	44	0	220																				
Copper	1	62	1	112	0	44000	8	18	23	24	1	11	37	2	7	30	14	9	15	15	18	112	35	68	95	
Lead	2	62	2.5	744	0	1300	12	33	25	140	16	52	32	13	20	54	22	95	27	36	40	65	157	101	120	
Mercury, inorganic	0.3	62	0.3	41	0	1100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	
Nickel	2	62	1	411	0	800	11	75	96	50	8	29	104	10	18	14	13	9	45	21	40	20	26	17	16	
Selenium	1	62	1	21	0	2600	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Vanadium	1	52	3.4	140	0	5000		81	90	86	39	75	84	51	135	60	67	35	66	69	107	57	52	43	41	
Zinc	2	62	12	4705	0	170000	34	164	189	145	34	80	194	42	55	105	66	38	105	85	120	101	124	166	137	
Cyanide (free)	1	30	1	1.000001	0	3400																				
Phenol (total)	2	30	1	1.000001	0	760																				
Acenaphthene	0.05	36	0.014	2.7	0	29000								0.014	0.014	0.061	0.026							0.032	0.027	
Acenaphthylene	0.05	36	0.017	0.48	0	29000								0.017	0.021	0.047	0.023							0.105	0.089	
Anthracene	0.05	36	0.022	7.4	0	150000								0.022	0.032	0.116	0.055							0.126	0.146	
Benz(a)anthracene	0.05	36	0.037	23	0	26								0.037	0.072	0.784	0.275							0.458	0.573	
Benzo(a)pyrene	0.05	36	0.027	17	1	4.5								0.027	0.054	0.918	0.327							0.541	0.643	
Benzo(b)fluoranthene	0.05	36	0.027	23	0	30								0.027	0.048	1.033	0.335							0.502	0.573	
Benzo(ghi)perylene	0.05	36	0.02	10	0	270								0.02	0.033	0.759	0.284							0.452	0.497	
Benzo(k)fluoranthene	0.05	36	0.025	11	0	46								0.025	0.026	0.496	0.154							0.254	0.309	
Chrysene	0.05	36	0.04	18	0	34								0.04	0.07	1.062	0.356							0.577	0.645	
Dibenz(a,h)anthracene	0.05	36	0.008	2.1	0	4.5								0.008	0.011	0.141	0.048							0.086	0.114	
Fluoranthene	0.05	36	0.05	57	0	6300								0.129	0.249	2.283	0.817							1.047	1.325	
Fluorene	0.05	36	0.012	2.2	0	20000								0.012	0.034	0.059	0.029							0.057	0.051	
Indeno(1,2,3,cd)pyrene	0.05	36	0.024	7.9	0	17								0.024	0.042	0.799	0.284							0.42	0.506	
Naphthalene	0.05	36	0.015	0.29	0	1100								0.015	0.022	0.044	0.022							0.244	0.285	
Phenanthrene	0.05	36	0.05	29	0	6200								0.197	0.285	0.876	0.373							0.313	0.409	
Pyrene	0.05	36	0.05	49	0	15000								0.08	0.171	1.906	0.665							0.943	1.132	
Asbestos identified	Y/N																									
FOC (dimensionless)	0.009037	(mean)																								
SOM (calculated)	1.56%	(mean)																								
pH (su)	7.9	(mean)																								

Risk parameter: Human health - POS park (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	Nat
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Location & Depth	TP610	TP527	TP527	TP531	TP531	TP531	TP553	TP553	TP553
						GAC	0.35	0.10	0.30	0.10	0.40	0.80	0.5	1	2.5
Arsenic	1	62	1	37	0	170	8.9	17	34	12	13	15	8.4	12	15
Beryllium	0.06	52	0.06	13	0	670	1	2.5	13	2.3	2	2.9	2.4	1.3	2.3
Boron	0.2	62	0.2	5	0	46000	1.9	1.4	1.2	0.2	0.4	0.2	5	1.1	1.5
Cadmium	0.2	62	0.2	3	0	560	0.2	0.7	2.3	0.3	0.2	0.2	0.2	0.2	0.2
Chromium (III)	1	62	1.2	841	0	27000	35	44	87	30	49	37	24	27	50
Chromium (VI)	1.2	30	1.2	44	0	220	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	62	1	112	0	44000	41	75	57	32	20	40	88	27	48
Lead	2	62	2.5	744	0	1300	48	95	35	43	13	32	12	31	38
Mercury, inorganic	0.3	62	0.3	41	0	1100	0.3	0.4	0.3	0.7	0.4	0.3	0.3	0.5	0.3
Nickel	2	62	1	411	0	800	25	43	140	35	16	46	67	35	59
Selenium	1	62	1	21	0	2600	1	1.6	1	1.1	1	1	1	1.5	1.4
Vanadium	1	52	3.4	140	0	5000	54	53	140	49	67	63	120	53	100
Zinc	2	62	12	4705	0	170000	190	130	240	76	35	61	79	61	97
Cyanide (free)	1	30	1	1.000001	0	3400	1	1.000001	1	1	1	1	1	1	1
Phenol (total)	2	30	1	1.000001	0	760	1	1.000001	1	1	1	1	1	1	1
Acenaphthene	0.05	36	0.014	2.7	0	29000	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Acenaphthylene	0.05	36	0.017	0.48	0	29000	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Anthracene	0.05	36	0.022	7.4	0	150000	0.15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Benz(a)anthracene	0.05	36	0.037	23	0	26	1.3	0.1	0.1	0.1	0.1	0.1	0.23	0.44	0.46
Benzo(a)pyrene	0.05	36	0.027	17	1	4.5	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.27
Benzo(b)fluoranthene	0.05	36	0.027	23	0	30	1.8	0.1	0.1	0.1	0.1	0.1	0.1	0.36	0.43
Benzo(ghi)perylene	0.05	36	0.02	10	0	270	0.88	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Benzo(k)fluoranthene	0.05	36	0.025	11	0	46	0.73	0.1	0.1	0.1	0.1	0.1	0.1	0.24	0.21
Chrysene	0.05	36	0.04	18	0	34	1.2	0.05	0.05	0.05	0.05	0.05	0.2	0.41	0.59
Dibenz(a,h)anthracene	0.05	36	0.008	2.1	0	4.5	0.22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Fluoranthene	0.05	36	0.05	57	0	6300	2.2	0.1	0.1	0.1	0.1	0.1	0.31	0.84	1
Fluorene	0.05	36	0.012	2.2	0	20000	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indeno(1,2,3,cd)pyrene	0.05	36	0.024	7.9	0	17	0.72	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Naphthalene	0.05	36	0.015	0.29	0	1100	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Phenanthrene	0.05	36	0.05	29	0	6200	0.62	0.1	0.1	0.1	0.1	0.1	0.39	0.43	0.96
Pyrene	0.05	36	0.05	49	0	15000	2	0.1	0.1	0.1	0.1	0.1	0.27	0.66	0.88
Asbestos identified	Y/N						N	N	N	N	N	N	N	N	N
FOC (dimensionless)	0.009037	(mean)					0.011	0.018	0.0015	0.014	0.0019	0.001	0.014	0.0082	0.0033
SOM (calculated)	1.56%	(mean)					1.90%	3.10%	0.26%	2.41%	0.33%	0.17%	2.41%	1.41%	0.57%
pH (su)	7.9	(mean)					7.5	6.6	7.7	7.7	7.8	7.6	10.7	9	6.9

Risk parameter: Human health - POS park (1%SOM)
Data set: MG & Natural Soils
Client: Merseyside Pension Fund
Site: Fort Halstead
Job no.: C-10730
Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life

All values in mg/kg unless otherwise stated							Soil Type															
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	MG		Nat		MG		Nat		MG		Nat		MG		Nat	
							2M2	TP608	TP608	TP532	TP532	TP532	TP565	TP565	TP566	TP566	TP566	TP566	TP566	TP566	TP566	TP566
							0.0	0.6	0.30	1.20	0.10	0.40	1.50	0.30	0.70	0.10	0.30	1.00	0.10	0.20	0.50	0.20
Arsenic	1	62	1	37	0	250	10	10	9.5	37	14	7.8	13	8.9	12	11	14	7.8	8.2	1	9.6	
Boron	0.2	62	0.2	5	2	3	1	1.7	1.2	0.6	0.9	0.3	1.5	1.1	0.8	0.6	1	1.7	2.4	0.2	0.7	
Chromium (III)	1	62	1.2	841	1	400	22	19	37	43	37	37	19	38	26	33	67	24	28	1.6	35	
Chromium (VI)	1.2	30	1.2	44	2	25		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	62	1	112	0	135	23	45	26	23	27	13	37	21	36	27	52	22	26	5.8	18	
Nickel	2	62	1	411	7	75	9	15	39	17	31	5	18	25	30	41	110	43	62	4.3	44	
Zinc	2	62	12	4705	1	300	79	290	67	43	83	12	100	45	110	86	200	100	170	21	95	
	Mean																					
pH (su)	7.9							7.8	7.7	7.1	6.8	7.4	10.4	8.2	9.2	8.1	7.3	7.7	7.8	8.5		

Risk parameter: Plant life pH 7

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s).: Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).
MG denotes Made Ground
NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Plant Life

Chemical of Potential Concern	All values in mg/kg unless otherwise stated																										
	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Soil Type		MG		MG		MG		MG		Nat		MG		MG		MG				
							Location & Depth	Nat	MG	MG	MG	MG	Nat	MG	Nat	Nat	Nat	MG	MG	MG	MG	Nat	MG	Nat	MG	Nat	MG
							TP559	BH555	TP527	TP553	TP553	TP553	TP553	TP515	HD7	HD8	HD5	HD6	2A1	2A1	2A2	6R1	6R1	6R2	2R2	1S3	
							0.40	0.3	0.1	0.5	1	2.5	0.3	0.15-0.2m	0.2m	0.25m	0.2m	0.2 0.7	3.7 4.0	0.0 0.2	0.3 0.4	1.0 1.1	0.1 0.5	0.0 0.45	0.3		
Arsenic	1	62	1	37	0	250	2.2	9.9	17	8.4	12	15	16	5	4	8	6	12	20	12	10	11	6	10	5		
Boron	0.2	62	0.2	5	2	3	1.2	2.5	1.4	5	1.1	1.5	1.9	1	1	1	1	1	1	1	1	1	1	1	1		
Chromium (III)	1	62	1.2	841	1	400	6.2	27	1.2	24	27	50	1.2	35	50	30	28	38	841	58	40	37	22	40	33		
Chromium (VI)	1.2	30	1.2	44	2	25	1.2	1.2	44	1.2	1.2	1.2	35														
Copper	1	62	1	112	0	135	4.8	33	75	88	27	48	48	15	18	112	35	7	1	66	77	6	10	2	2		
Nickel	2	62	1	411	7	75	6.4	53	43	67	35	59	130	21	40	20	26	6	411	14	21	1	6	1	5		
Zinc	2	62	12	4705	1	300	17	100	130	79	61	97	160	85	120	101	124	36	4705	121	250	28	35	20	24		
	Mean																										
pH (su)	7.9						8.6	7.6	6.6	10.7	9	6.9	5.4	7.96	7.98	7.92	7.89										
<p>Risk parameter: Plant life pH 7 Data set: MG & Natural Soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s): Multiple</p>																											

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	Nat	MG	MG	MG	MG	MG	MG	Nat	Nat	Nat	Nat	MG	Nat	Nat	Nat	Nat	MG	MG	MG
							Location & Depth	1S3	RES-HD4	RES-HD5	RES-HD6	RES-HD3	RES-HD1	RES-HD2	R-HD7	R-HD7	R-HD8	R-HD8	HD9	HD10	HD7	HD8	HD5	HD6	HD3	HD4
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	1.3	0.3m	0.2m	0.15m	0.3m	0.3m	0.2m	0.3m	0.6m	0.2m	0.5m	0.3m	0.25m	0.15-0.2m	0.2m	0.25m	0.2m	0.15m	0.1m	
Arsenic	1	62	1	37	0	250	11	1	1	4	3	4	1	6	11	7	9	5	3	5	4	8	6	1	1	
Boron	0.2	62	0.2	5	2	3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Chromium (III)	1	62	1.2	841	1	400	57	45	49	105	25	44	50	37	80	42	51	19	40	35	50	30	28	25	25	
Chromium (VI)	1.2	30	1.2	44	2	25																				
Copper	1	62	1	112	0	135	8	18	23	24	1	11	37	2	7	30	14	9	15	15	18	112	35	68	95	
Nickel	2	62	1	411	7	75	11	75	96	50	8	29	104	10	18	14	13	9	45	21	40	20	26	17	16	
Zinc	2	62	12	4705	1	300	34	164	189	145	34	80	194	42	55	105	66	38	105	85	120	101	124	166	137	
	Mean																									
pH (su)	7.9																									

Risk parameter: Plant life pH 7
Data set: MG & Natural Soils
Client: Merseyside Pension Fund
Site: Fort Halstead
Job no.: C-10730
Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life

All values in mg/kg unless otherwise stated							Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	Nat
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Location & Depth	TP610	TP527	TP527	TP531	TP531	TP531	TP553	TP553	TP553	TP553
							0.35	0.10	0.30	0.10	0.40	0.80	0.5	1	2.5	
Arsenic	1	62	1	37	0	250	8.9	17	34	12	13	15	8.4	12	15	
Boron	0.2	62	0.2	5	2	3	1.9	1.4	1.2	0.2	0.4	0.2	5	1.1	1.5	
Chromium (III)	1	62	1.2	841	1	400	35	44	87	30	49	37	24	27	50	
Chromium (VI)	1.2	30	1.2	44	2	25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	62	1	112	0	135	41	75	57	32	20	40	88	27	48	
Nickel	2	62	1	411	7	75	25	43	140	35	16	46	67	35	59	
Zinc	2	62	12	4705	1	300	190	130	240	76	35	61	79	61	97	
	Mean															
pH (su)	7.9						7.5	6.6	7.7	7.7	7.8	7.6	10.7	9	6.9	
<p>Risk parameter: Plant life pH 7 Data set: MG & Natural Soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s): Multiple</p>																

Assessment of Chemicals of Potential Concern to Human Health



Soil Type							MG	Nat	MG	Nat	MG	Nat	MG	MG	Nat	Nat	Nat	Nat	MG								
All values in mg/kg unless otherwise stated Location & Depth							TP608	TP608	TP565	TP565	TP566	TP559	TP559	TP553	TP553	TP553	R-HD7	R-HD7	R-HD8	R-HD8	HD3						
							0.3	1.2	0.3	0.7	0.1	0.20	0.40	0.50	1.00	2.50	0.3m	0.6m	0.2m	0.5m	0.15m						
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																					
Aliphatics EC5-EC6	0.01	15	0.001	0.1	0	300	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1												
Aliphatics >EC6-EC8	0.01	15	0.001	0.1	0	140	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1												
Aliphatics >EC8-EC10	0.01	15	0.001	0.1	0	77	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1												
Aliphatics >EC10-EC12	0.01	15	1	1	0	48	1	1	1	1	1	1	1	1	1												
Aliphatics >EC12-EC16	0.1	21	1.559	4.747	0	24	2	2	2	2	2	2	2	2	2	2.379	4.747	1.688	1.559	2.831							
Aliphatics >EC16-EC35	0.1	18	0.726	14	0	460000			14	10	10	10	10	10	10	2.79	8.119	0.726	1.392	4.217							
Aliphatics >EC35-EC44	0.1	15	8.4	30	0	460000	23	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4												
Aromatics EC5-EC7	0.01	15	0.001	0.1	0	1200	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1												
Aromatics >EC7-EC8	0.01	15	0.001	0.1	0	870	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1												
Aromatics >EC8-EC10	0.01	15	0.001	0.1	0	610	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1												
Aromatics >EC10-EC12	0.01	15	1	1	0	360	1	1	1	1	1	1	1	1	1												
Aromatics >EC12-EC16	0.1	21	0.21	3.273	0	10000	2	2	2.6	2	2	2	2	2	2	1.853	1.415	0.21	0.301	0.856							
Aromatics >EC16-EC21	0.1	21	0.356	29	0	7600	29	10	12	10	14	10	10	10	10	6.828	0.717	0.518	0.356	1.125							
Aromatics >EC21-EC35	0.1	21	0.836	88	0	7800	88	10	52	10	45	10	10	12	10	86.129	0.836	1.874	18.986	49.357							
Aromatics >EC35-EC44	0.1	15	8.4	74	0	7800	74	8.4	33	8.4	16	8.4	8.4	8.4	8.4												
ADDITIVITY CHECK							HAZARD QUOTIENTS FOR EACH FRACTION																				
Aliphatics EC5-EC6							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000									
Aliphatics >EC6-EC8							0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001										
Aliphatics >EC8-EC10							0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001										
Considered additive Aliphatics >EC10-EC12							0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021									
Aliphatics >EC12-EC16							0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.099	0.198	0.070	0.065	0.118					
Aliphatics >EC16-EC35									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
Aliphatics >EC35-EC44							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000										
Aromatics EC5-EC7							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000										
Aromatics >EC7-EC8							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000										
Considered additive Aromatics >EC8-EC10							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000										
Considered additive Aromatics >EC10-EC12							0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003									
Considered additive Aromatics >EC12-EC16							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics >EC16-EC21							0.004	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	
Considered additive Aromatics >EC21-EC35							0.011	0.001	0.007	0.001	0.006	0.001	0.001	0.001	0.001	0.002	0.001	0.011	0.000	0.000	0.002	0.000	0.000	0.002	0.006		
Aromatics >EC35-EC44							0.009	0.001	0.004	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001										
Hazard Index for ali>C8-C16							0.104	0.104	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105								
Hazard Index for aro>C8-C16							0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003								
Hazard Index for aro>C16-C35							0.015	0.003	0.008	0.003	0.008	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.012	0.000	0.000	0.002	0.006		
Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.																											
Legend: Main table values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.																											
Main table values in red are equal to, or greater than, the generic assessment criterion (GAC).																											
MG denotes Made Ground																											
NAT denotes natural ground																											
Risk parameter: Human health - POS park (1%SOM)																											
Data set: MG & Natural Soils																											
Client: Merseyside Pension Fund																											
Site: Fort Halstead																											
Job no.: C-10730																											
Lab. report no(s): Multiple																											

Assessment of Chemicals of Potential Concern to Human Health

Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Soil Type Location & Depth GAC	MG	MG	MG	MG	Nat	Nat	
							HD4	TP610	TP531	TP553	TP553	TP553	
							0.1m	0.35	0.10	0.5	1	2.5	
Aliphatics EC5-EC6	0.01	15	0.001	0.1	0	300		0.001	0.1	0.1	0.1	0.1	
Aliphatics >EC6-EC8	0.01	15	0.001	0.1	0	140		0.001	0.1	0.1	0.1	0.1	
Aliphatics >EC8-EC10	0.01	15	0.001	0.1	0	77		0.001	0.1	0.1	0.1	0.1	
Aliphatics >EC10-EC12	0.01	15	1	1	0	48		1	1	1	1	1	
Aliphatics >EC12-EC16	0.1	21	1.559	4.747	0	24	3.997	4.1	2	2	2	2	
Aliphatics >EC16-EC35	0.1	18	0.726	14	0	460000	5.556		10	10	10	10	
Aliphatics >EC35-EC44	0.1	15	8.4	30	0	460000		30	8.4	8.4	8.4	8.4	
Aromatics EC5-EC7	0.01	15	0.001	0.1	0	1200		0.001	0.1	0.1	0.1	0.1	
Aromatics >EC7-EC8	0.01	15	0.001	0.1	0	870		0.001	0.1	0.1	0.1	0.1	
Aromatics >EC8-EC10	0.01	15	0.001	0.1	0	610		0.001	0.1	0.1	0.1	0.1	
Aromatics >EC10-EC12	0.01	15	1	1	0	360		1	1	1	1	1	
Aromatics >EC12-EC16	0.1	21	0.21	3.273	0	10000	3.273	2	2	2	2	2	
Aromatics >EC16-EC21	0.1	21	0.356	29	0	7600	1.504	10	10	10	10	10	
Aromatics >EC21-EC35	0.1	21	0.836	88	0	7800	33.659	48	10	10	12	10	
Aromatics >EC35-EC44	0.1	15	8.4	74	0	7800		8.4	8.4	8.4	8.4	8.4	
ADDITIVITY CHECK													
Aliphatics EC5-EC6								0.000	0.000	0.000	0.000	0.000	0.000
Aliphatics >EC6-EC8								0.000	0.001	0.001	0.001	0.001	0.001
Aliphatics >EC8-EC10								0.000	0.001	0.001	0.001	0.001	0.001
Considered additive Aliphatics >EC10-EC12								0.021	0.021	0.021	0.021	0.021	0.021
Aliphatics >EC12-EC16							0.167	0.171	0.083	0.083	0.083	0.083	
Aliphatics >EC16-EC35							0.000		0.000	0.000	0.000	0.000	
Aliphatics >EC35-EC44								0.000	0.000	0.000	0.000	0.000	
Aromatics EC5-EC7								0.000	0.000	0.000	0.000	0.000	
Aromatics >EC7-EC8								0.000	0.000	0.000	0.000	0.000	
Aromatics >EC8-EC10								0.000	0.000	0.000	0.000	0.000	
Considered additive Aromatics >EC10-EC12								0.003	0.003	0.003	0.003	0.003	
Aromatics >EC12-EC16							0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics >EC16-EC21							0.000	0.001	0.001	0.001	0.001	0.001	
Considered additive Aromatics >EC21-EC35							0.004	0.006	0.001	0.001	0.002	0.001	
Aromatics >EC35-EC44								0.001	0.001	0.001	0.001	0.001	
Hazard Index for ali>C8-C16								0.192	0.105	0.105	0.105	0.105	
Hazard Index for aro>C8-C16								0.003	0.003	0.003	0.003	0.003	
Hazard Index for aro>C16-C35							0.005	0.007	0.003	0.003	0.003	0.003	
<p>Risk parameter: Human health - POS park (1%SOM) Data set: MG & Natural Soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s).: Multiple</p>													

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated							Soil Type	MG	Nat	Nat	MG	Nat	MG	MG	MG	Nat	MG	Nat	Nat	Nat	MG	MG
Location & Depth							BH506	BH506	BH506	BH507	BH507	BH508	BH539	BH500	BH500	BH531	BH531	TP518	TP518	TP518	BH524	BH524
							0.50	1.00	2.00	0.30	0.80	0.40	0.20	0.10	0.30	0.35	0.60	0.30	0.60	0.20	0.40	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																
Arsenic	1	68	1	37	0	79	14	17	13	10	19	9	11	11	8.8	10	18	14	27	4.3	6.2	
Beryllium	0.06	66	0.06	9	0	92	0.9	1.3	1.1	0.55	1.2	1	2.6	0.72	0.44	0.53	1.2	1.4	6.1	0.06	2.7	
Boron	0.2	67	0.2	8.8	0	21000	0.4	1.6	1	0.4	1.3	1.2	0.7	1.8	0.4	0.3	0.8	2.2	1.3	1.7	1.7	
Cadmium	0.2	68	0.2	2.7	0	120	0.2	0.2	0.2	0.2	0.2	1.2	0.5	0.2	0.2	0.2	0.2	1	0.9	0.2	0.2	
Chromium (III)	1	68	1.2	70	0	1500	40	53	46	28	56	42	33	30	25	23	51	27	48	4.2	23	
Chromium (VI)	1.2	65	1.2	52	6	7.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	68	1	390	0	12000	20	20	28	22	26	19	110	39	12	13	29	35	40	11	91	
Lead	2	68	2	460	0	630	28	18	14	24	21	11	110	36	26	9.5	22	100	33	46	33	
Mercury, inorganic	0.3	68	0.3	1.2	0	470	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.3	0.3	
Nickel	2	68	4	170	0	290	20	21	36	19	19	14	65	27	18	32	27	29	74	5.8	89	
Selenium	1	68	1	3.5	0	1400	1	1	1.3	1	1	1	1.9	1	1	1	1	1	1	1	1	
Vanadium	1	66	8.6	130	0	2000	70	84	83	42	99	60	96	52	37	31	90	56	84	8.6	91	
Zinc	2	68	12	3900	0	81000	39	41	53	160	38	25	290	110	37	26	41	210	120	63	66	
Cyanide (free)	1	65	1	1	0	1600	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Phenol (total)	2	65	1	1.1	0	760	1	1	1	1	1	1	1.1	1	1	1	1	1	1	1	1	
Acenaphthene	0.05	66	0.05	1.2	0	15000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.39	
Acenaphthylene	0.05	66	0.05	4.4	0	15000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Anthracene	0.05	65	0.05	16	0	74000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.12	0.1	0.1	1	
Benz(a)anthracene	0.05	66	0.05	59	1	17	0.1	0.1	0.1	0.24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.61	0.1	0.1	4	
Benzo(a)pyrene	0.05	66	0.05	49	5	2.6	0.1	0.1	0.1	0.23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.56	0.1	0.1	3.2	
Benzo(b)fluoranthene	0.05	66	0.05	57	1	18	0.1	0.1	0.1	0.29	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.78	0.1	0.1	3	
Benzo(ghi)perylene	0.05	66	0.05	26	0	120	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.33	0.05	0.05	1.5	
Benzo(k)fluoranthene	0.05	66	0.05	27	1	26	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.53	0.1	0.1	2.8	
Chrysene	0.05	66	0.05	49	1	25	0.05	0.05	0.05	0.28	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.65	0.05	0.05	3.7	
Dibenz(a,h)anthracene	0.05	66	0.05	7.4	1	2.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.18	
Fluoranthene	0.05	66	0.05	150	0	3100	0.1	0.1	0.1	0.63	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3	0.1	0.1	10	
Fluorene	0.05	66	0.05	4.8	0	9900	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.25	
Indeno(1,2,3,cd)pyrene	0.05	66	0.05	22	1	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.26	0.1	0.1	1.4	
Naphthalene	0.05	66	0.05	0.53	0	3900	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Phenanthrene	0.05	66	0.05	77	0	3100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.1	0.1	3.9	
Pyrene	0.05	66	0.05	120	0	7400	0.1	0.1	0.1	0.62	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1	0.1	0.1	8.9	
Asbestos identified	Y/N						N	N	N	N	N	N	Y	N	N	N	N	Y	N	N	N	
FOC (dimensionless)	0.005981	(mean)					0.01	0.0046	0.001	0.0042	0.0012	0.0087	0.013	0.0032	0.0053	0.001	0.0019	0.013	0.0022	0.001	0.022	
SOM (calculated)	1.05%	(mean)					1.72%	0.79%	0.17%	0.72%	0.21%	1.50%	2.24%	0.55%	0.91%	0.17%	0.33%	2.24%	0.38%	0.17%	3.79%	
pH (su)	7.6	(mean)					5.6	4.5	4.9	7.6	4.8	7.4	9.2	8.2	7.6	9.6	6.7	7.9	6.4	8.8	8	

Risk parameter: Human health - POS resi (1%SOM)

Data set: MG and Natural soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).
 MG denotes Made Ground
 NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	MG	MG	MG	MG	MG	Nat	MG	Nat	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	Nat	Nat	Nat	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Location & Depth	BH525	BH525	BH525	BH526	BH526	BH526	TP533	TP533	TP532	TP532	TP532	TP532	TP512	TP512	TP565	TP565	TP566	TP566	TP566	TP523
						GAC	0.40	0.70	1.90	0.30	1.00	2.00	0.20	1.20	0.10	0.40	1.50	0.30	1.00	0.30	0.70	0.10	0.30	0.70	0.10	0.30
Arsenic	1	68	1	37	0	79	13	9.9	11	5.4	14	15	10	9.7	37	14	7.8	15	11	13	8.9	12	11	14	10	
Beryllium	0.06	66	0.06	9	0	92	2.7	1.8	3.1	0.4	2.7	3.4	2.2	2.5	1.4	2.1	0.74	1.8	1.1	0.74	1.3	1.5	2.3	9	0.65	
Boron	0.2	67	0.2	8.8	0	21000	1.5	3.5	1.6	0.5	3.3	1.8	0.2	0.2	0.6	0.9	0.3	1.2	0.6	1.5	1.1	0.8	0.6	1	2.2	
Cadmium	0.2	68	0.2	2.7	0	120	0.3	0.2	0.6	0.9	0.3	0.7	0.3	0.2	0.2	0.4	0.2	0.2	0.2	0.3	0.2	0.5	0.5	1	0.2	
Chromium (III)	1	68	1.2	70	0	1500	22	32	23	16	37	60	24	45	43	37	37	34	39	19	38	26	33	67	28	
Chromium (VI)	1.2	65	1.2	52	6	7.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	68	1	390	0	12000	69	29	16	24	31	37	24	23	23	27	13	24	17	37	21	36	27	52	22	
Lead	2	68	2	460	0	630	38	20	23	66	50	36	140	12	17	42	12	23	8.2	96	12	320	25	22	32	
Mercury, inorganic	0.3	68	0.3	1.2	0	470	0.3	0.3	0.4	0.5	0.3	0.3	0.3	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.4	0.5	0.3	0.5	0.5	
Nickel	2	68	4	170	0	290	56	36	38	11	38	71	35	24	17	31	5	27	10	18	25	30	41	110	17	
Selenium	1	68	1	3.5	0	1400	1	1	1	1	1	1	1	1	1	1.8	1	1	1	1	1	1	1	1.2	1.3	
Vanadium	1	66	8.6	130	0	2000	76	59	55	22	65	100	37	63	90	57	54	66	55	28	62	44	54	110	38	
Zinc	2	68	12	3900	0	81000	82	44	57	66	91	100	85	38	43	83	12	68	22	100	45	110	86	200	62	
Cyanide (free)	1	65	1	1	0	1600	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Phenol (total)	2	65	1	1.1	0	760	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Acenaphthene	0.05	66	0.05	1.2	0	15000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Acenaphthylene	0.05	66	0.05	4.4	0	15000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	
Anthracene	0.05	65	0.05	16	0	74000	0.35	0.12	0.1	0.53	0.28	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.12	0.1	0.28	0.1	0.1	0.1	
Benz(a)anthracene	0.05	66	0.05	59	1	17	0.73	0.15	0.1	2.7	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.59	0.1	3	0.1	0.1	0.1	
Benzo(a)pyrene	0.05	66	0.05	49	5	2.6	0.6	0.14	0.1	2.5	0.92	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.71	0.1	1.8	0.1	0.1	0.1	
Benzo(b)fluoranthene	0.05	66	0.05	57	1	18	0.74	0.2	0.1	2.7	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.52	0.1	2.5	0.1	0.1	0.1	
Benzo(ghi)perylene	0.05	66	0.05	26	0	120	0.42	0.05	0.05	1.7	0.59	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.49	0.05	1.1	0.05	0.05	0.05	
Benzo(k)fluoranthene	0.05	66	0.05	27	1	26	0.44	0.13	0.1	1.3	0.56	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.55	0.1	1.9	0.1	0.1	0.1	
Chrysene	0.05	66	0.05	49	1	25	0.79	0.25	0.05	1.8	1.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.63	0.05	2	0.05	0.05	0.05	
Dibenz(a,h)anthracene	0.05	66	0.05	7.4	1	2.3	0.1	0.1	0.1	0.34	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Fluoranthene	0.05	66	0.05	150	0	3100	2.5	0.5	0.1	4.9	2.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3	0.1	3.9	0.1	0.1	0.1	
Fluorene	0.05	66	0.05	4.8	0	9900	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Indeno(1,2,3,cd)pyrene	0.05	66	0.05	22	1	11	0.29	0.1	0.1	1.3	0.45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.37	0.1	0.99	0.1	0.1	0.1	
Naphthalene	0.05	66	0.05	0.53	0	3900	0.05	0.18	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.16	0.05	0.29	0.05	0.05	0.05	
Phenanthrene	0.05	66	0.05	77	0	3100	0.47	0.47	0.1	1.7	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.1	0.98	0.1	0.1	0.1	
Pyrene	0.05	66	0.05	120	0	7400	2	0.45	0.1	4.3	2.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	0.1	3.7	0.1	0.1	0.1	
Asbestos identified	Y/N						N	N	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	Y	N	N	
FOC (dimensionless)	0.005981	(mean)					0.0092	0.0058	0.0054	0.0015	0.0015	0.002	0.0051	0.0016	0.0031	0.014	0.001	0.0029	0.001	0.0058	0.001	0.012	0.0034	0.0012	0.0048	
SOM (calculated)	1.05%	(mean)					1.59%	1.00%	0.93%	0.26%	0.26%	0.34%	0.88%	0.28%	0.53%	2.41%	0.17%	0.50%	0.17%	1.00%	0.17%	2.07%	0.59%	0.21%	0.83%	
pH (su)	7.6	(mean)					8.1	7.8	7.9	10.5	8	5.7	7.4	5	7.1	6.8	7.4	5.7	4.9	10.4	8.2	9.2	8.1	7.3	7.9	

Risk parameter: Human health - POS resi (1%SOM)

Data set: MG and Natural soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated																									
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Soil Type Location & Depth GAC	Nat	Nat	MG	Nat	Nat	MG	MG	Nat	Nat	Nat	MG	MG	Nat	MG	Nat	MG	Nat	MG	
							TP523	TP523	TP524	TP524	TP526	TP541	TP541	TP506	BH543	TP519	TP519	TP507	TP507	BH522	BH522	BH522	BH522	BH522	BH522
							0.80	2.00	0.03	0.10	0.50	0.10	0.25	0.50	1.50	0.50	0.30	0.10	0.40	0.2	1.3	0.10	0.30	0.80	0.10
Arsenic	1	68	1	37	0	79	22	16	11	8.5	24	17	25	16	19	20	11	17	19	15	13	13	9.6	17	13
Beryllium	0.06	66	0.06	9	0	92	1.2	1	0.93	0.76	2.7	3	1.9	1.8	1.9	2.3	0.83	1.6	2.5	0.8	0.67	1.2	0.66	1.6	1.6
Boron	0.2	67	0.2	8.8	0	21000	8.8	1.2	0.3	1.8	1	0.6	1.1	0.6	1.1	1.6	2.6	2.5	1.5	1.8	1.7	0.5	0.5	1.5	0.8
Cadmium	0.2	68	0.2	2.7	0	120	0.2	0.2	0.5	0.3	0.2	0.3	0.4	0.2	0.2	0.2	2.7	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2
Chromium (III)	1	68	1.2	70	0	1500	70	50	29	24	58	26	28	45	47	59	26	25	61	1.2	1.2	30	28	47	42
Chromium (VI)	1.2	65	1.2	52	6	7.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	26	32	1.2	1.2	1.2	1.2
Copper	1	68	1	390	0	12000	24	24	95	22	32	24	64	33	32	24	390	67	36	36	22	190	70	25	32
Lead	2	68	2	460	0	630	33	15	120	26	33	23	460	36	32	23	180	270	24	130	49	170	22	28	45
Mercury, inorganic	0.3	68	0.3	1.2	0	470	0.7	0.3	0.7	0.5	0.7	0.5	0.4	0.3	0.3	0.8	0.8	0.7	0.5	0.6	0.3	0.3	0.3	0.3	0.4
Nickel	2	68	4	170	0	290	21	19	23	20	34	25	62	51	41	37	33	31	42	21	18	170	30	33	29
Selenium	1	68	1	3.5	0	1400	1	1	1.7	1	1	1	1	1.2	1	1	1.5	1	1.1	1	1.4	1.1	1	1	1
Vanadium	1	66	8.6	130	0	2000	110	81	32	31	110	50	79	86	110	120	35	55	130	45	42	92	66	86	65
Zinc	2	68	12	3900	0	81000	46	41	120	48	78	63	340	78	82	81	580	180	97	140	62	3900	210	66	84
Cyanide (free)	1	65	1	1	0	1600	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Phenol (total)	2	65	1	1.1	0	760	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Acenaphthene	0.05	66	0.05	1.2	0	15000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Acenaphthylene	0.05	66	0.05	4.4	0	15000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.14	0.62	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Anthracene	0.05	65	0.05	16	0	74000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		3	0.1	0.25	0.1	0.1	0.1	0.1	0.44
Benz(a)anthracene	0.05	66	0.05	59	1	17	0.1	0.1	0.1	0.1	0.1	0.1	0.25	0.1	0.1	0.1	7	7	0.1	1	0.1	0.1	0.1	0.1	1.3
Benzo(a)pyrene	0.05	66	0.05	49	5	2.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.2	6.3	0.1	1.1	0.1	0.1	0.1	0.1	0.98
Benzo(b)fluoranthene	0.05	66	0.05	57	1	18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.4	8.9	0.1	1.1	0.1	0.1	0.1	0.1	1.2
Benzo(ghi)perylene	0.05	66	0.05	26	0	120	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	4.3	3.4	0.05	0.56	0.05	0.05	0.05	0.05	0.53
Benzo(k)fluoranthene	0.05	66	0.05	27	1	26	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.3	5.1	0.1	0.86	0.1	0.1	0.1	0.1	0.51
Chrysene	0.05	66	0.05	49	1	25	0.05	0.05	0.05	0.05	0.05	0.05	0.23	0.05	0.05	0.05	4.6	6.7	0.05	0.9	0.05	0.05	0.05	0.05	0.99
Dibenz(a,h)anthracene	0.05	66	0.05	7.4	1	2.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.86	0.79	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Fluoranthene	0.05	66	0.05	150	0	3100	0.1	0.1	0.1	0.1	0.1	0.1	0.31	0.1	0.1	0.1	14	17	0.1	2.3	0.1	0.1	0.1	0.1	2.6
Fluorene	0.05	66	0.05	4.8	0	9900	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.16	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indeno(1,2,3,cd)pyrene	0.05	66	0.05	22	1	11	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.4	3.4	0.1	0.48	0.1	0.1	0.1	0.1	0.42
Naphthalene	0.05	66	0.05	0.53	0	3900	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.35	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Phenanthrene	0.05	66	0.05	77	0	3100	0.1	0.1	0.1	0.1	0.1	0.1	0.35	0.1	0.1	0.1	3.6	12	0.1	1.4	0.1	0.1	0.1	0.1	1.1
Pyrene	0.05	66	0.05	120	0	7400	0.1	0.1	0.1	0.1	0.1	0.1	0.25	0.1	0.1	0.1	12	14	0.1	2	0.1	0.1	0.1	0.1	2.1
Asbestos identified	Y/N						N	N	N	N	N	N	N	N	N	N	Y	Y	N	Y	N	Y	Y	N	Y
FOC (dimensionless)	0.005981	(mean)					0.0014	0.0017	0.013	0.0032	0.0031	0.012	0.014	0.0012	0.0011	0.0034	0.012	0.013	0.001	0.0098	0.010	0.016	0.001	0.0013	0.01
SOM (calculated)	1.05%	(mean)					0.24%	0.29%	2.24%	0.55%	0.53%	2.07%	2.41%	0.21%	0.19%	0.59%	2.07%	2.24%	0.17%	1.69%	1.72%	2.76%	0.17%	0.22%	1.72%
pH (su)	7.6	(mean)					7.9	7.4	6.7	7.7	7.7	7.8	8.8	7.5	7.5	8.1	9.5	9.1	5.9	9.5	7.6	8	8.3	7.7	7.9

Risk parameter: Human health - POS resi (1%SOM)

Data set: MG and Natural soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	Nat	Nat	Nat	
						Location & Depth	BH556	1S1	1S1	S-WS3	TP609	TP609	TP615	TP615	BH604	BH604	BH604	TP530	TP530	TP530	TP530	
							0.40	0.0 0.2	3.1 4.0	0.4m	0.2	0.5	0.2	0.9	0.55	0.9	2.3	0.1	0.5	1.5	1.5	2.5
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																
Arsenic	1	68	1	37	0	79	8.4	12	1	8	8.7	6.9	11	2.8	4.6	8.1	1	18	13	12	12	9.4
Beryllium	0.06	66	0.06	9	0	92	0.78		1	2.8	1	0.9	0.44	0.2	1	0.97	1.7	3.9	1.1	1.5	1.5	1.5
Boron	0.2	67	0.2	8.8	0	21000	0.2	1	1	1.8	2.1	1.5	1.2	1.3	1.4	0.4	0.6	2.1	1	1.5	1.5	1.5
Cadmium	0.2	68	0.2	2.7	0	120	0.2	1	1	1	0.5	0.2	0.2	0.3	0.2	0.2	1.3	0.7	0.2	0.2	0.2	0.2
Chromium (III)	1	68	1.2	70	0	1500	26	63	3	37	25	27	33	14	6.8	35	39	1.2	1.2	1.2	1.2	1.2
Chromium (VI)	1.2	65	1.2	52	6	7.7	1.2			1.2	1.2	1.2	1.2	1.2	1.2	1.2	28	39	37	52	52	
Copper	1	68	1	390	0	12000	14	43	1	19	22	20	24	12	11	15	14	240	35	15	15	19
Lead	2	68	2	460	0	630	41	116	2	112	31	41	45	42	93	17	10	260	63	16	16	24
Mercury, inorganic	0.3	68	0.3	1.2	0	470	0.4	1	1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.2	0.5	0.3	0.3	0.4
Nickel	2	68	4	170	0	290	12	12	4	19	38	22	22	10	4.9	16	8.1	62	46	28	28	27
Selenium	1	68	1	3.5	0	1400	1	1	1	3	1.7	1	1	1	1	3.5	1	1.4	1	1	1	1
Vanadium	1	66	8.6	130	0	2000	35			48	50	46	59	24	11	51	45	46	62	56	65	65
Zinc	2	68	12	3900	0	81000	38	114	13	151	80	54	66	39	37	40	23	390	86	63	76	76
Cyanide (free)	1	65	1	1	0	1600	1			1	1	1	1	1	1	1	1	1	1	1	1	1
Phenol (total)	2	65	1	1.1	0	760	1			1	1	1	1	1	1	1	1	1	1	1	1	1
Acenaphthene	0.05	66	0.05	1.2	0	15000	0.76			0.479	0.05	0.05	0.28	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1
Acenaphthylene	0.05	66	0.05	4.4	0	15000	4.4			0.125	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1
Anthracene	0.05	65	0.05	16	0	74000	16			0.832	0.05	0.05	0.87	0.05	0.05	0.05	0.05	0.17	0.15	0.1	0.1	0.1
Benz(a)anthracene	0.05	66	0.05	59	1	17	59			1.706	0.48	0.05	4	0.19	0.42	0.05	0.05	0.72	0.39	0.1	0.1	0.1
Benzo(a)pyrene	0.05	66	0.05	49	5	2.6	49			1.724	0.54	0.05	4.9	0.27	0.47	0.05	0.05	0.97	0.18	0.1	0.1	0.1
Benzo(b)fluoranthene	0.05	66	0.05	57	1	18	57			1.588	0.71	0.05	5.6	0.24	0.62	0.05	0.05	1.1	0.34	0.1	0.1	0.1
Benzo(ghi)perylene	0.05	66	0.05	26	0	120	26			1.383	0.41	0.05	3.4	0.05	0.37	0.05	0.05	0.76	0.05	0.05	0.05	0.05
Benzo(k)fluoranthene	0.05	66	0.05	27	1	26	27			1.588	0.26	0.05	2	0.18	0.2	0.05	0.05	0.82	0.22	0.1	0.1	0.1
Chrysene	0.05	66	0.05	49	1	25	49			1.874	0.44	0.05	4.3	0.2	0.39	0.05	0.05	0.85	0.47	0.05	0.05	0.05
Dibenz(a,h)anthracene	0.05	66	0.05	7.4	1	2.3	7.4			1.308	0.05	0.05	0.63	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1
Fluoranthene	0.05	66	0.05	150	0	3100	150			4.691	0.81	0.05	10	0.5	0.78	0.05	0.05	1.5	1.1	0.1	0.1	0.1
Fluorene	0.05	66	0.05	4.8	0	9900	4.8			0.224	0.05	0.05	0.27	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1
Indeno(1,2,3,cd)pyrene	0.05	66	0.05	22	1	11	22			1.308	0.33	0.05	2.9	0.05	0.25	0.05	0.05	0.58	0.1	0.1	0.1	0.1
Naphthalene	0.05	66	0.05	0.53	0	3900	0.53			0.302	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Phenanthrene	0.05	66	0.05	77	0	3100	77			4.024	0.29	0.05	3.7	0.05	0.4	0.05	0.05	0.4	1.2	0.1	0.1	0.1
Pyrene	0.05	66	0.05	120	0	7400	120			3.92	0.71	0.05	8.8	0.46	0.76	0.05	0.05	1.1	0.9	0.1	0.1	0.1
Asbestos identified	Y/N					Y				N	N	N	N	N	N	N	N	N	N	N	N	N
FOC (dimensionless)	0.005981	(mean)				0.0075				0.022	0.0095	0.0087	0.008	0.001	0.0037	0.001	0.022	0.0059	0.0022	0.0023	0.0023	0.0023
SOM (calculated)	1.05%	(mean)				1.29%				3.79%	1.64%	1.50%	1.38%	0.17%	0.64%	0.17%	3.79%	1.02%	0.38%	0.40%	0.40%	0.40%
pH (su)	7.6	(mean)				7.6				10.82	6.9	7.4	8.1	7.8	8.5	8.4	4.9	7.3	8.3	7.2	7.5	7.5

Risk parameter: Human health - POS resi (1%SOM)

Data set: MG and Natural soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life

All values in mg/kg unless otherwise stated							Soil Type														
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth														
							MG	Nat	Nat	MG	Nat	MG	MG	MG	Nat	MG	Nat	Nat	Nat	MG	MG
							BH506	BH506	BH506	BH507	BH507	BH508	BH539	BH500	BH500	BH531	BH531	TP518	TP518	BH524	BH524
							0.50	1.00	2.00	0.30	0.80	0.40	0.20	0.10	0.30	0.35	0.60	0.30	0.60	0.20	0.40
Arsenic	1	68	1	37	0	250	14	17	13	10	19	9	11	11	8.8	10	18	14	27	4.3	6.2
Boron	0.2	67	0.2	8.8	3	3	0.4	1.6	1	0.4	1.3	1.2	0.7	1.8	0.4	0.3	0.8	2.2	1.3	1.7	1.7
Chromium (III)	1	68	1.2	70	0	400	40	53	46	28	56	42	33	30	25	23	51	27	48	4.2	23
Chromium (VI)	1.2	65	1.2	52	6	25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	68	1	390	3	135	20	20	28	22	26	19	110	39	12	13	29	35	40	11	91
Nickel	2	68	4	170	3	75	20	21	36	19	19	14	65	27	18	32	27	29	74	5.8	89
Zinc	2	68	12	3900	4	300	39	41	53	160	38	25	290	110	37	26	41	210	120	63	66
	Mean																				
pH (su)	7.6						5.6	4.5	4.9	7.6	4.8	7.4	9.2	8.2	7.6	9.6	6.7	7.9	6.4	8.8	8

Risk parameter: Plant life pH 7

Data set: MG and Natural soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s).: Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).
 MG denotes Made Ground
 NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	MG	MG	MG	MG	MG	Nat	MG	Nat	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	Nat	Nat	Nat
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Location & Depth	GAC	BH525	BH525	BH525	BH526	BH526	BH526	TP533	TP533	TP532	TP532	TP512	TP512	TP565	TP565	TP566	TP566	TP566	TP523	
								0.40	0.70	1.90	0.30	1.00	2.00	0.20	1.20	0.10	0.40	1.50	0.30	1.00	0.30	0.70	0.10	0.30	0.70	0.10
Arsenic	1	68	1	37	0	250	13	9.9	11	5.4	14	15	10	9.7	37	14	7.8	15	11	13	8.9	12	11	14	10	
Boron	0.2	67	0.2	8.8	3	3	1.5	3.5	1.6	0.5	3.3	1.8	0.2	0.2	0.6	0.9	0.3	1.2	0.6	1.5	1.1	0.8	0.6	1	2.2	
Chromium (III)	1	68	1.2	70	0	400	22	32	23	16	37	60	24	45	43	37	37	34	39	19	38	26	33	67	28	
Chromium (VI)	1.2	65	1.2	52	6	25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	68	1	390	3	135	69	29	16	24	31	37	24	23	23	27	13	24	17	37	21	36	27	52	22	
Nickel	2	68	4	170	3	75	56	36	38	11	38	71	35	24	17	31	5	27	10	18	25	30	41	110	17	
Zinc	2	68	12	3900	4	300	82	44	57	66	91	100	85	38	43	83	12	68	22	100	45	110	86	200	62	
	Mean																									
pH (su)	7.6						8.1	7.8	7.9	10.5	8	5.7	7.4	5	7.1	6.8	7.4	5.7	4.9	10.4	8.2	9.2	8.1	7.3	7.9	

Risk parameter: Plant life pH 7
Data set: MG and Natural soils
Client: Merseyside Pension Fund
Site: Fort Halstead
Job no.: C-10730
Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	Nat	Nat	MG	Nat	Nat	MG	MG	Nat	Nat	Nat	MG	MG	Nat	MG	Nat	MG	MG	Nat	MG
							Location & Depth	TP523	TP523	TP524	TP524	TP524	TP526	TP541	TP541	TP541	TP506	BH543	TP519	TP519	TP507	TP507	BH522	BH522	BH522	BH556
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.80	2.00	0.03	0.10	0.50	0.10	0.25	0.50	1.50	0.50	0.30	0.10	0.40	0.2	1.3	0.10	0.30	0.80	0.10	
Arsenic	1	68	1	37	0	250	22	16	11	8.5	24	17	25	16	19	20	11	17	19	15	13	13	9.6	17	13	
Boron	0.2	67	0.2	8.8	3	3	8.8	1.2	0.3	1.8	1	0.6	1.1	0.6	1.1	1.6	2.6	2.5	1.5	1.8	1.7	0.5	0.5	1.5	0.8	
Chromium (III)	1	68	1.2	70	0	400	70	50	29	24	58	26	28	45	47	59	26	25	61	1.2	1.2	30	28	47	42	
Chromium (VI)	1.2	65	1.2	52	6	25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	26	32	1.2	1.2	1.2	1.2	
Copper	1	68	1	390	3	135	24	24	95	22	32	24	64	33	32	24	390	67	36	36	22	190	70	25	32	
Nickel	2	68	4	170	3	75	21	19	23	20	34	25	62	51	41	37	33	31	42	21	18	170	30	33	29	
Zinc	2	68	12	3900	4	300	46	41	120	48	78	63	340	78	82	81	580	180	97	140	62	3900	210	66	84	
	Mean																									
pH (su)	7.6						7.9	7.4	6.7	7.7	7.7	7.8	8.8	7.5	7.5	8.1	9.5	9.1	5.9	9.5	7.6	8	8.3	7.7	7.9	

Risk parameter: Plant life pH 7
Data set: MG and Natural soils
Client: Merseyside Pension Fund
Site: Fort Halstead
Job no.: C-10730
Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life

All values in mg/kg unless otherwise stated							Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	Nat	Nat	Nat			
							Location & Depth	BH556	1S1	1S1	S-WS3	TP609	TP609	TP615	TP615	BH604	BH604	BH604	TP530	TP530	TP530	TP530			
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.40	0.0	0.2	3.1	4.0	0.4m	0.2	0.5	0.2	0.9	0.55	0.9	2.3	0.1	0.5	1.5	2.5		
Arsenic	1	68	1	37	0	250	8.4	12	1	8	8.7	6.9	11	2.8	4.6	8.1	1	18	13	12	9.4				
Boron	0.2	67	0.2	8.8	3	3	0.2	1	1			1.8	2.1	1.5	1.2	1.3	1.4	0.4	0.6	2.1	1	1.5			
Chromium (III)	1	68	1.2	70	0	400	26	63	3	37			25	27	33	14	6.8	35	39	1.2	1.2	1.2	1.2		
Chromium (VI)	1.2	65	1.2	52	6	25	1.2						1.2	1.2	1.2	1.2	1.2	1.2	1.2	28	39	37	52		
Copper	1	68	1	390	3	135	14	43	1	19	22	20	24	12	11	15	14	240	35	15	19				
Nickel	2	68	4	170	3	75	12	12	4	19	38	22	22	10	4.9	16	8.1	62	46	28	27				
Zinc	2	68	12	3900	4	300	38	114	13	151	80	54	66	39	37	40	23	390	86	63	76				
	Mean																								
pH (su)	7.6						7.6			10.82	6.9	7.4	8.1	7.8	8.5	8.4	4.9	7.3	8.3	7.2	7.5				
<p>Risk parameter: Plant life pH 7 Data set: MG and Natural soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s): Multiple</p>																									

Assessment of Chemicals of Potential Concern to Human Health



Soil Type						MG	MG	MG	MG	MG	MG	MG	MG	Nat	Nat	MG	MG	Nat	MG						
All values in mg/kg unless otherwise stated						HD1	HD2	M3	M4	M8	M9	M10.1	BH506	BH506	BH506	BH508	BH538A	BH538A	BH538A	BH500					
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Location & Depth		0.1m	0.1m	0.60m	0.50m	0.3m	0.7m	0.4m	0.50	1.00	2.00	0.40	0.20	0.80	2.00	0.10			
						GAC																			
Aliphatics EC5-EC6	0.01	57	0.001	0.1	0	300									0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aliphatics >EC6-EC8	0.01	57	0.001	0.1	0	600000									0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aliphatics >EC8-EC10	0.01	57	0.001	0.1	0	13000									0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aliphatics >EC10-EC12	0.01	57	1	8.4	0	13000									1	1	1	1	8.4	1	1	1			
Aliphatics >EC12-EC16	0.1	65	0.462	70	0	13000	3.621	3.057	2.968	11.937	3.983	0.462	1.99	17	2	2	2	70	2	2	2	2			
Aliphatics >EC16-EC35	0.1	58	0.231	1500	0	250000	3.644	3.536	3.19	9.47	0.951	0.25	0.337	69	10	10	23	1500	16	10	10	10			
Aliphatics >EC35-EC44	0.1	57	8.4	300	0	250000								8.4	8.4	8.4	8.4	300	8.4	8.4	8.4	8.4			
Aromatics EC5-EC7	0.01	57	0.001	0.1	0	56000									0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aromatics >EC7-EC8	0.01	57	0.001	0.1	0	56000									0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aromatics >EC8-EC10	0.01	57	0.001	0.1	0	5000									0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aromatics >EC10-EC12	0.01	57	1	3	0	5000									1	1	1	1	1.1	1	1	1			
Aromatics >EC12-EC16	0.1	65	0.1	23.527	0	5000	17.112	23.527	0.175	0.255	2.003	0.1	0.1	3.3	2	2	2	16	4.5	2	2	2			
Aromatics >EC16-EC21	0.1	65	0.1	170	0	3800	7.968	1.01	0.436	0.422	2.732	0.1	0.1	14	10	10	10	170	40	10	10	10			
Aromatics >EC21-EC35	0.1	65	0.1	900	0	3800	81.526	5.045	0.599	0.386	6.371	0.1	0.1	14	10	10	23	900	75	10	10	10			
Aromatics >EC35-EC44	0.1	57	8.4	180	0	3800								8.4	8.4	8.4	14	110	8.4	8.4	8.4	8.4			
ADDITIVITY CHECK						HAZARD QUOTIENTS FOR EACH FRACTION																			
Aliphatics EC5-EC6																0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aliphatics >EC6-EC8															0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aliphatics >EC8-EC10															0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Considered additive																									
Aliphatics >EC10-EC12															0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000		
Aliphatics >EC12-EC16						0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	
Aliphatics >EC16-EC35						0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000	
Aliphatics >EC35-EC44															0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000		
Aromatics EC5-EC7															0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aromatics >EC7-EC8															0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aromatics >EC8-EC10															0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Considered additive																									
Aromatics >EC10-EC12															0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aromatics >EC12-EC16						0.003	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.003	0.001	0.000	0.000	0.000	0.000	0.000	
Aromatics >EC16-EC21						0.002	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.004	0.003	0.003	0.003	0.045	0.011	0.003	0.003	0.003	0.003	0.003	0.003
Considered additive																									
Aromatics >EC21-EC35						0.021	0.001	0.000	0.000	0.002	0.000	0.000	0.000	0.004	0.003	0.003	0.006	0.237	0.020	0.003	0.003	0.003	0.003	0.003	0.003
Aromatics >EC35-EC44															0.002	0.002	0.002	0.004	0.029	0.002	0.002	0.002	0.002	0.002	
Hazard Index for ali>C8-C16															0.001	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000		
Hazard Index for aro>C8-C16															0.001	0.001	0.001	0.001	0.003	0.001	0.001	0.001	0.001		
Hazard Index for aro>C16-C35						0.024	0.002	0.000	0.000	0.002	0.000	0.000	0.000	0.007	0.005	0.005	0.009	0.282	0.030	0.005	0.005	0.005	0.005	0.005	0.005
Risk parameter: Human health - POS resi (1% SOM)						Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.																			
Data set: MG & Natural Soils						Legend: Main table values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.																			
Client: Merseyside Pension Fund						Main table values in red are equal to, or greater than, the generic assessment criterion (GAC).																			
Site: Fort Halstead						MG denotes Made Ground																			
Job no.: C-10730						NAT denotes natural ground																			
Lab. report no(s).: Multiple																									

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	Nat	MG	MG	MG	MG	Nat	Nat	MG	MG	MG	MG	MG	MG	Nat	MG	MG	MG	MG		
Location & Depth						BH500	BH509	BH509	BH509	BH514	TP518	TP518	BH503	BH524	BH524	BH525	BH525	BH525	TP533	TP533	TP547	TP547	TP547	TP531		
						0.30	0.20	0.40	0.70	0.40	0.30	0.60	0.40	0.20	0.40	0.40	0.70	1.90	0.20	1.20	0.10	0.50	0.90	0.10		
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																				
Aliphatics EC5-EC6	0.01	57	0.001	0.1	0	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aliphatics >EC6-EC8	0.01	57	0.001	0.1	0	600000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aliphatics >EC8-EC10	0.01	57	0.001	0.1	0	13000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aliphatics >EC10-EC12	0.01	57	1	8.4	0	13000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Aliphatics >EC12-EC16	0.1	65	0.462	70	0	13000	2	3.7	2	2	2	2	2	2	2.9	2	3.1	2	2	2	2	2	2	2		
Aliphatics >EC16-EC35	0.1	58	0.231	1500	0	250000	10	43	10	57	16	10	10	10	21	10	10	10	10	10	10	10	10	10		
Aliphatics >EC35-EC44	0.1	57	8.4	300	0	250000	8.4	8.4	8.4	64	16	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4		
Aromatics EC5-EC7	0.01	57	0.001	0.1	0	56000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aromatics >EC7-EC8	0.01	57	0.001	0.1	0	56000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aromatics >EC8-EC10	0.01	57	0.001	0.1	0	5000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aromatics >EC10-EC12	0.01	57	1	3	0	5000	1	1	1	1	1	1	1	1	1.5	1	1	1	1	1	1	1	1	1		
Aromatics >EC12-EC16	0.1	65	0.1	23.527	0	5000	2	2	2	2	2	2	3.1	2	9	2	6	2	2	2	2	2	2	2		
Aromatics >EC16-EC21	0.1	65	0.1	170	0	3800	10	10	10	10	24	10	10	10	52	10	10	10	10	10	10	10	10	10		
Aromatics >EC21-EC35	0.1	65	0.1	900	0	3800	10	30	10	110	140	10	10	30	10	110	19	33	10	10	14	10	10	10		
Aromatics >EC35-EC44	0.1	57	8.4	180	0	3800	8.4	8.4	8.4	120	140	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	34	8.4	8.4	8.4		
ADDITIVITY CHECK																										
Aliphatics EC5-EC6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aliphatics >EC6-EC8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aliphatics >EC8-EC10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Considered additive Aliphatics >EC10-EC12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aliphatics >EC12-EC16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aliphatics >EC16-EC35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aliphatics >EC35-EC44	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aromatics EC5-EC7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aromatics >EC7-EC8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Considered additive Aromatics >EC8-EC10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Considered additive Aromatics >EC10-EC12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aromatics >EC12-EC16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.002	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Aromatics >EC16-EC21	0.003	0.003	0.003	0.003	0.006	0.003	0.003	0.003	0.003	0.014	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003		
Considered additive Aromatics >EC21-EC35	0.003	0.008	0.003	0.029	0.037	0.003	0.003	0.008	0.003	0.029	0.005	0.009	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003		
Aromatics >EC35-EC44	0.002	0.002	0.002	0.032	0.037	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002		
Hazard Index for ali>C8-C16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Hazard Index for aro>C8-C16	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
Hazard Index for aro>C16-C35	0.005	0.011	0.005	0.032	0.043	0.005	0.005	0.011	0.005	0.043	0.008	0.011	0.005	0.043	0.008	0.011	0.005	0.005	0.005	0.005	0.006	0.005	0.005	0.005		
Risk parameter: Human health - POS resi (1%SOM)																										
Data set: MG & Natural Soils																										
Client: Merseyside Pension Fund																										
Site: Fort Halstead																										
Job no.: C-10730																										
Lab. report no(s): Multiple																										

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	MG	MG	Nat	MG	Nat	MG	Nat	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG		
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth	HP503	TP565	TP565	TP566	TP523	TP523	TP526	HP526	TP530	TP530	TP541	TP541	TP542	TP542	TP506	BH543	TP507	TP507	BH522	
							0.30	0.3	0.7	0.1	0.40	0.80	0.10	0.30	0.10	0.50	0.25	0.50	0.30	0.80	0.50	0.30	0.80	0.50	0.30	0.2	1.3
Aliphatics EC5-EC6	0.01	57	0.001	0.1	0	300		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Aliphatics >EC6-EC8	0.01	57	0.001	0.1	0	600000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Aliphatics >EC8-EC10	0.01	57	0.001	0.1	0	13000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Aliphatics >EC10-EC12	0.01	57	1	8.4	0	13000		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Aliphatics >EC12-EC16	0.1	65	0.462	70	0	13000		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Aliphatics >EC16-EC35	0.1	58	0.231	1500	0	250000		37	14	10	10	10	10	10	10	52	10	10	10	10	10	10	110	35	10	10	
Aliphatics >EC35-EC44	0.1	57	8.4	300	0	250000		45	8.4	8.4	8.4	8.4	8.4	8.4	27	8.4	8.4	8.4	8.4	8.4	8.4	8.4	100	15	8.4	8.4	
Aromatics EC5-EC7	0.01	57	0.001	0.1	0	56000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Aromatics >EC7-EC8	0.01	57	0.001	0.1	0	56000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Aromatics >EC8-EC10	0.01	57	0.001	0.1	0	5000		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Aromatics >EC10-EC12	0.01	57	1	3	0	5000		3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Aromatics >EC12-EC16	0.1	65	0.1	23.527	0	5000		13	2.6	2	2	2	2	2	2	2	2	2	2	2	2	2	6.9	5.9	2	2	
Aromatics >EC16-EC21	0.1	65	0.1	170	0	3800		79	12	10	14	10	10	10	10	10	10	10	10	11	10	10	67	24	10	10	
Aromatics >EC21-EC35	0.1	65	0.1	900	0	3800		240	52	10	45	10	10	10	10	54	10	10	10	34	10	10	240	94	18	10	
Aromatics >EC35-EC44	0.1	57	8.4	180	0	3800		180	33	8.4	16	8.4	8.4	8.4	8.4	59	8.4	8.4	8.4	21	8.4	8.4	73	63	8.4	8.4	
ADDITIVITY CHECK																											
Aliphatics EC5-EC6																											
Aliphatics >EC6-EC8																											
Aliphatics >EC8-EC10																											
Aliphatics >EC10-EC12																											
Aliphatics >EC12-EC16																											
Aliphatics >EC16-EC35																											
Aliphatics >EC35-EC44																											
Aromatics EC5-EC7																											
Aromatics >EC7-EC8																											
Aromatics >EC8-EC10																											
Aromatics >EC10-EC12																											
Aromatics >EC12-EC16																											
Aromatics >EC16-EC21																											
Aromatics >EC21-EC35																											
Aromatics >EC35-EC44																											
Hazard Index for ali>C8-C16																											
Hazard Index for aro>C8-C16																											
Hazard Index for aro>C16-C35																											
<p>Risk parameter: Human health - POS resi (1% SOM)</p> <p>Data set: MG & Natural Soils</p> <p>Client: Merseyside Pension Fund</p> <p>Site: Fort Halstead</p> <p>Job no.: C-10730</p> <p>Lab. report no(s): Multiple</p>																											

Assessment of Chemicals of Potential Concern to Human Health

All values in mg/kg unless otherwise stated						Soil Type	MG	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	Nat
						Location & Depth	BH522	BH522	S-WS3	TP609	TP609	TP615	TP615	BH604	BH604	BH604	TP530	TP530
							0.30	0.80	0.4m	0.2	0.5	0.2	0.9	0.55	0.9	2.3	0.1	0.5
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC												
Aliphatics EC5-EC6	0.01	57	0.001	0.1	0	300	0.1	0.1		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1
Aliphatics >EC6-EC8	0.01	57	0.001	0.1	0	600000	0.1	0.1		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1
Aliphatics >EC8-EC10	0.01	57	0.001	0.1	0	13000	0.1	0.1		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1
Aliphatics >EC10-EC12	0.01	57	1	8.4	0	13000	1	1		1	1.9	6.7	1	1	1	1	1	1
Aliphatics >EC12-EC16	0.1	65	0.462	70	0	13000	2	2	0.706	2	6.6	9.6	2	2	3.4	2	2	2
Aliphatics >EC16-EC35	0.1	58	0.231	1500	0	250000	10	10	0.231								52	10
Aliphatics >EC35-EC44	0.1	57	8.4	300	0	250000	8.4	8.4		8.4	8.4	20	8.4	8.4	13	8.4	27	8.4
Aromatics EC5-EC7	0.01	57	0.001	0.1	0	56000	0.1	0.1		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1
Aromatics >EC7-EC8	0.01	57	0.001	0.1	0	56000	0.1	0.1		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1
Aromatics >EC8-EC10	0.01	57	0.001	0.1	0	5000	0.1	0.1		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1
Aromatics >EC10-EC12	0.01	57	1	3	0	5000	1	1		1	1	1	1	1	1	1	1	1
Aromatics >EC12-EC16	0.1	65	0.1	23.527	0	5000	2	2	0.196	2.3	4	7.5	3.3	2	2	2	2	2
Aromatics >EC16-EC21	0.1	65	0.1	170	0	3800	10	10	0.507	10	10	62	10	10	10	10	10	10
Aromatics >EC21-EC35	0.1	65	0.1	900	0	3800	10	10	14.547	40	23	120	23	10	10	10	54	10
Aromatics >EC35-EC44	0.1	57	8.4	180	0	3800	8.4	8.4		14	8.4	30	13	8.4	8.4	8.4	59	8.4
ADDITIVITY CHECK																		
Aliphatics EC5-EC6			0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aliphatics >EC6-EC8			0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aliphatics >EC8-EC10			0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Considered additive Aliphatics >EC10-EC12			0.000	0.000			0.000	0.000		0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aliphatics >EC12-EC16			0.000	0.000		0.000	0.000	0.001		0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aliphatics >EC16-EC35			0.000	0.000		0.000											0.000	0.000
Aliphatics >EC35-EC44			0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics EC5-EC7			0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC7-EC8			0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Considered additive Aromatics >EC8-EC10			0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Considered additive Aromatics >EC10-EC12			0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Considered additive Aromatics >EC12-EC16			0.000	0.000		0.000	0.000	0.001		0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Considered additive Aromatics >EC16-EC21			0.003	0.003		0.000	0.003	0.003		0.016	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Considered additive Aromatics >EC21-EC35			0.003	0.003		0.004	0.011	0.006		0.032	0.006	0.003	0.003	0.003	0.003	0.003	0.014	0.003
Aromatics >EC35-EC44			0.002	0.002			0.004	0.002		0.008	0.003	0.002	0.002	0.002	0.002	0.002	0.016	0.002
Hazard Index for ali>C8-C16			0.000	0.000			0.000	0.001		0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hazard Index for aro>C8-C16			0.001	0.001			0.001	0.001		0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Hazard Index for aro>C16-C35			0.005	0.005		0.004	0.013	0.009		0.048	0.009	0.005	0.005	0.005	0.005	0.005	0.017	0.005
<p>Risk parameter: Human health - POS resi (1%SOM) Data set: MG & Natural Soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s).: Multiple</p>																		

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	MG	MG	Nat	MG	MG	Nat	MG	MG	Nat	Nat	Nat	Nat	MG	MG	MG	
						Location & Depth	1A1	1A1	1A1	1A2	1A2	1A2	1A3	1A6	1A3	1A3	1A4	1A4	1A5	1A5	2A3	
							0.0 0.3	0.6 0.9	2.5 3.0	0.2 0.4	0.7 0.9	2.5 3.0	0.2 0.5	0.3 0.8	2.6 3.0	6.0 6.4	0.1 0.5	1.9 2.2	0.0 0.2	0.3 0.6	0.4 0.8	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																
Arsenic	1	77	1	34	0	640	9	2	1	9	3	1	10	6	6	2	3	8	4	6	5	
Beryllium	0.06	61	0.06	36	0	390																
Boron	0.2	77	0.2	6.2	0	190000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Cadmium	0.2	77	0.2	16	0	220	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Chromium (III)	1	77	1	106	0	8400	51	35	3	65	99	8	47	78	66	41	106	54	26	99	24	
Chromium (VI)	1.2	55	1.2	1.2	0	33																
Copper	1	77	1	390	0	69000	27	4	1	9	7	1	8	9	18	13	5	16	7	27	41	
Lead	2	77	1	200	0	2330	121	9	1	17	24	1	9	183	10	6	15	14	22	63	30	
Mercury, inorganic	0.3	77	0.3	1	0	3600	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Nickel	2	77	2	790	0	1700	11	11	2	14	31	5	7	8	21	45	11	22	6	13	16	
Selenium	1	77	1	4.8	0	13000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Vanadium	1	61	3.6	130	0	9000																
Zinc	2	77	12	580	0	670000	61	33	13	36	37	20	28	35	46	151	23	51	44	78	58	
Cyanide (free)	1	55	1	1	0	16000																
Phenol (total)	2	55	1	1.9	0	760																
Acenaphthene	0.05	58	0.010467	4.9	0	84000																
Acenaphthylene	0.05	58	0.014	0.76	0	83000																
Anthracene	0.05	58	0.033	21.184	0	520000																
Benz(a)anthracene	0.05	58	0.05	42.925	0	86																
Benzo(a)pyrene	0.05	58	0.05	21.847	2	14																
Benzo(b)fluoranthene	0.05	58	0.05	21.761	0	97																
Benzo(ghi)perylene	0.05	58	0.05	19.019	0	630																
Benzo(k)fluoranthene	0.05	58	0.05	19.42	0	140																
Chrysene	0.05	58	0.05	24.25	0	140																
Dibenz(a,h)anthracene	0.05	58	0.05	7.782	0	12																
Fluoranthene	0.05	58	0.05	69.288	0	23000																
Fluorene	0.05	58	0.028	9.573	0	63000																
Indeno(1,2,3,cd)pyrene	0.05	58	0.05	16.397	0	58																
Naphthalene	0.05	58	0.028	2.8	0	190																
Phenanthrene	0.05	58	0.05	75.52	0	22000																
Pyrene	0.05	58	0.05	65.501	0	54000																
Asbestos identified	Y/N																					
FOC (dimensionless)	0.005202	(mean)																				
SOM (calculated)	0.90%	(mean)																				
pH (su)	8.1	(mean)																				

Risk parameter: Human health - commercial (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).
 MG denotes Made Ground
 NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	MG	Nat	MG	Nat	Nat	MG	MG	Nat	MG	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG		
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Location & Depth	BH560	BH560	BH520	BH520	BH527	BH521	BH521	BH521	BH543	BH544	BH544	TP534	TP534	TP535	TP535	TP535	TP535	TP536	TP536	
						GAC	0.40	0.60	0.40	1.00	0.40	0.40	0.50	0.90	0.30	0.30	0.40	0.30	1.00	0.20	0.50	2.10	0.20	0.40	0.20	
Arsenic	1	77	1	34	0	640	10	8.9	10	13	20	14	14	16	11	6.5	17	9.1	13	11	21	1	14	11	8.4	
Beryllium	0.06	61	0.06	36	0	390	1.6	1	3	1.5	4.9	2.9	1.2	2.9	0.83	0.44	1.4	0.86	2.7	1.6	2.2	36	2.1	1.5	1.2	
Boron	0.2	77	0.2	6.2	0	190000	1.1	0.9	1.2	0.7	1.7	1.7	1.2	1.3	2.6	0.2	1.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Cadmium	0.2	77	0.2	16	0	220	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	2.7	0.2	0.2	0.2	0.2	0.2	0.2	16	0.3	0.2	0.2	
Chromium (III)	1	77	1	106	0	8400	20	22	47	48	63	39	23	52	26	26	27	23	47	17	56	1.9	26	47	19	
Chromium (VI)	1.2	55	1.2	1.2	0	33	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	77	1	390	0	69000	46	23	33	28	36	120	60	26	390	8.6	42	17	33	68	34	5	62	16	18	
Lead	2	77	1	200	0	2330	150	37	21	14	31	73	52	21	180	33	6.8	56	20	15	27	3.6	18	24	19	
Mercury, inorganic	0.3	77	0.3	1	0	3600	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8	0.3	0.3	0.3	0.5	0.8	0.9	0.7	0.3	0.4	0.3	
Nickel	2	77	2	790	0	1700	39	20	59	19	61	63	32	43	33	13	51	18	43	42	45	41	52	19	23	
Selenium	1	77	1	4.8	0	13000	1.3	1	2.1	1	1.1	1	1.4	1	1.5	2.2	1	1	1	4.8	1	1	1	1	2.6	
Vanadium	1	61	3.6	130	0	9000	55	38	52	65	120	74	57	90	35	35	49	33	100	66	110	7.3	87	58	34	
Zinc	2	77	12	580	0	670000	78	55	78	40	110	61	63	68	580	29	35	68	91	73	73	70	64	44	34	
Cyanide (free)	1	55	1	1	0	16000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Phenol (total)	2	55	1	1.9	0	760	1	1	1	1	1	1	1	1	1	1	1.9	1	1	1	1	1	1	1	1	
Acenaphthene	0.05	58	0.010467	4.9	0	84000			0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	
Acenaphthylene	0.05	58	0.014	0.76	0	83000			0.1	0.1	0.1	0.1	0.1	0.1	0.14	0.1	0.1	0.1	0.1	0.34	0.1	0.1	0.1	0.1	0.1	
Anthracene	0.05	58	0.033	21.184	0	520000			0.1	0.1	0.1	0.13	0.18	0.1	1.3	0.1	0.1	0.1	0.1	0.62	0.1	0.1	0.1	0.1	0.1	
Benz(a)anthracene	0.05	58	0.05	42.925	0	86			0.1	0.1	0.26	0.61	1.1	0.1	7	0.1	0.1	0.23	0.1	8.1	0.1	0.1	0.1	0.1	0.7	
Benzo(a)pyrene	0.05	58	0.05	21.847	2	14			0.1	0.1	0.1	0.83	1.4	0.1	6.2	0.1	0.1	0.1	0.1	11	0.1	0.1	0.1	0.1	0.41	
Benzo(b)fluoranthene	0.05	58	0.05	21.761	0	97			0.1	0.1	0.1	1	1.5	0.1	6.4	0.1	0.1	0.1	0.1	11	0.1	0.1	0.1	0.1	0.65	
Benzo(ghi)perylene	0.05	58	0.05	19.019	0	630			0.05	0.05	0.05	0.72	1.5	0.05	4.3	0.05	0.05	0.05	0.05	5.4	0.05	0.05	0.05	0.05	0.26	
Benzo(k)fluoranthene	0.05	58	0.05	19.42	0	140			0.1	0.1	0.1	0.51	0.69	0.1	4.3	0.1	0.1	0.1	0.1	7.7	0.1	0.1	0.1	0.1	0.21	
Chrysene	0.05	58	0.05	24.25	0	140			0.05	0.05	0.23	0.64	0.89	0.05	4.6	0.05	0.05	0.29	0.05	6.7	0.05	0.05	0.05	0.05	0.73	
Dibenz(a,h)anthracene	0.05	58	0.05	7.782	0	12			0.1	0.1	0.1	0.1	0.25	0.1	0.86	0.1	0.1	0.1	0.1	1.3	0.1	0.1	0.1	0.1	0.1	
Fluoranthene	0.05	58	0.05	69.288	0	23000			0.1	0.1	0.42	0.68	1.2	0.1	14	0.1	0.1	0.52	0.1	7.8	0.1	0.1	0.1	0.1	1	
Fluorene	0.05	58	0.028	9.573	0	63000			0.1	0.1	0.1	0.1	0.1	0.1	0.16	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	
Indeno(1,2,3,cd)pyrene	0.05	58	0.05	16.397	0	58			0.1	0.1	0.1	0.54	1.3	0.1	3.4	0.1	0.1	0.1	0.1	4.7	0.1	0.1	0.1	0.1	0.24	
Naphthalene	0.05	58	0.028	2.8	0	190			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Phenanthrene	0.05	58	0.05	75.52	0	22000			0.1	0.1	0.1	0.58	0.57	0.1	3.6	0.1	0.1	0.37	0.1	1.9	0.1	0.1	0.1	0.1	0.1	
Pyrene	0.05	58	0.05	65.501	0	54000			0.1	0.1	0.37	0.69	1.2	0.1	12	0.1	0.1	0.44	0.1	8.4	0.1	0.1	0.1	0.1	1.1	
Asbestos identified	Y/N						N	N	N	N	N	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
FOC (dimensionless)	0.005202 (mean)						0.0093	0.013	0.001	0.001	0.0035	0.0055	0.0087	0.004	0.012	0.0075	0.001	0.0088	0.0036	0.0069	0.0033	0.001	0.0037	0.0019	0.002	
SOM (calculated)	0.90% (mean)						1.60%	2.24%	0.17%	0.17%	0.60%	0.95%	1.50%	0.69%	2.20%	1.29%	0.17%	1.52%	0.62%	1.19%	0.57%	0.17%	0.64%	0.33%	0.34%	
pH (su)	8.1 (mean)						10.4	8.1	8	5.6	5.9	8.5	9.6	6.5	9.5	5.9	11.2	7	5.4	9.1	5.2	8.6	8.2	4.2	8.2	

Risk parameter: Human health - commercial (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	Nat	Nat	MG	Nat	Nat	MG	MG	MG	MG	MG	MG	MG	MG	Nat	MG	Nat	Nat	Nat	Nat
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Location & Depth	TP537	TP537	BH533	BH533	BH534	WS603	TP603	TP603	TP603	BH537	BH537	BH537	BH523	BH523	BH536	BH536	BH536	BH536	BH513
						GAC	0.50	3.30	0.10	1.20	1.00	0.80	0.10	0.40	1.20	0.40	0.70	1.10	0.3	0.8	0.3	0.5	1.5	2.6	0.3
Arsenic	1	77	1	34	0	640	16	2.2	12	16	1	8	8.6	1	2.2	12	7.9	18	13	1	11	6.8	7.4	12	10
Beryllium	0.06	61	0.06	36	0	390	3.6	2.3	1.4	1.5	0.06	0.89	0.63	0.06	0.21	1.1	0.67	1.4	0.86	0.06	0.95	1.2	1.5	3.8	3.6
Boron	0.2	77	0.2	6.2	0	190000	0.2	0.2	0.8	0.6	0.9	2.6	1.4	0.6	0.8	0.3	0.5	0.4	6.2	0.2	2.5	2.3	1.3	3.1	2.4
Cadmium	0.2	77	0.2	16	0	220	0.2	1.7	0.8	0.2	0.2	0.8	0.3	0.3	0.2	0.4	0.2	0.2	0.2	0.2	0.9	0.2	0.2	0.3	0.8
Chromium (III)	1	77	1	106	0	8400	47	16	30	42	1	24	22	4.5	6.8	18	23	56	26	3.2	20	43	38	18	29
Chromium (VI)	1.2	55	1.2	1.2	0	33	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	77	1	390	0	69000	24	13	75	27	6.9	45	35	7.7	14	66	23	25	60	6.5	47	14	18	99	28
Lead	2	77	1	200	0	2330	16	7.1	70	25	2.1	100	140	15	28	200	72	19	16	3.8	37	4.6	5.1	1	18
Mercury, inorganic	0.3	77	0.3	1	0	3600	0.5	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.4
Nickel	2	77	2	790	0	1700	40	60	33	27	4	22	17	2.9	5	33	17	28	23	5.2	38	8.6	9.7	790	57
Selenium	1	77	1	4.8	0	13000	2.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Vanadium	1	61	3.6	130	0	9000	78	28	69	100	3.6	40	33	5.5	10	40	36	95	35	4.5	44	50	58	46	56
Zinc	2	77	12	580	0	670000	58	130	400	75	18	100	110	17	32	140	66	58	49	22	86	21	25	220	100
Cyanide (free)	1	55	1	1	0	16000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Phenol (total)	2	55	1	1.9	0	760	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Acenaphthene	0.05	58	0.010467	4.9	0	84000	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.75	0.1	4.9	0.1	0.1	0.1	0.1
Acenaphthylene	0.05	58	0.014	0.76	0	83000	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.76	0.1	0.68	0.1	0.1	0.1	0.1
Anthracene	0.05	58	0.033	21.184	0	520000	0.1	0.1	0.21	0.1	0.1	0.44	0.3	0.05	0.05	0.25	0.1	0.1	3.7	0.1	8.5	0.1	0.1	0.1	0.1
Benz(a)anthracene	0.05	58	0.05	42.925	0	86	0.49	0.1	0.79	0.1	0.1	2.7	1.7	0.19	0.05	1.6	0.1	0.1	10	0.1	18	0.1	0.1	0.1	0.1
Benzo(a)pyrene	0.05	58	0.05	21.847	2	14	0.23	0.1	0.75	0.1	0.1	2.6	1.7	0.26	0.05	2.3	0.1	0.1	8.2	0.1	15	0.1	0.1	0.1	0.1
Benzo(b)fluoranthene	0.05	58	0.05	21.761	0	97	0.36	0.1	1.1	0.1	0.1	3.2	2	0.31	0.05	3.6	0.1	0.1	9	0.1	17	0.1	0.1	0.1	0.1
Benzo(ghi)perylene	0.05	58	0.05	19.019	0	630	0.05	0.05	0.05	0.05	0.05	1.8	1	0.05	0.05	2.1	0.05	0.05	4.1	0.05	7.5	0.05	0.05	0.05	0.05
Benzo(k)fluoranthene	0.05	58	0.05	19.42	0	140	0.25	0.1	0.54	0.1	0.1	1.2	0.78	0.16	0.05	1.1	0.1	0.1	3.9	0.1	7.5	0.1	0.1	0.1	0.1
Chrysene	0.05	58	0.05	24.25	0	140	0.56	0.05	0.98	0.05	0.05	1.9	1.1	0.22	0.05	2	0.05	0.05	8.3	0.05	13	0.05	0.05	0.05	0.05
Dibenz(a,h)anthracene	0.05	58	0.05	7.782	0	12	0.1	0.1	0.1	0.1	0.1	0.35	0.26	0.05	0.05	0.47	0.1	0.1	1.2	0.1	2.1	0.1	0.1	0.1	0.1
Fluoranthene	0.05	58	0.05	69.288	0	23000	0.84	0.1	1.8	0.1	0.1	4.4	2.5	0.3	0.31	3	0.1	0.1	26	0.1	39	0.1	0.1	0.1	0.1
Fluorene	0.05	58	0.028	9.573	0	63000	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.92	0.1	4.2	0.1	0.1	0.1	0.1
Indeno(1,2,3,cd)pyrene	0.05	58	0.05	16.397	0	58	0.1	0.1	0.1	0.1	0.1	1.5	0.87	0.05	0.05	1.5	0.1	0.1	3.6	0.1	6.8	0.1	0.1	0.1	0.1
Naphthalene	0.05	58	0.028	2.8	0	190	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.12	0.05	0.05	0.05	0.05	2.8	0.05	0.05	0.05	0.05
Phenanthrene	0.05	58	0.05	75.52	0	22000	0.41	0.1	0.93	0.1	0.1	1.1	0.99	0.05	0.05	0.85	0.1	0.1	7.6	0.1	32	0.1	0.1	0.1	0.1
Pyrene	0.05	58	0.05	65.501	0	54000	0.74	0.1	1.5	0.1	0.1	4.4	2.2	0.28	0.29	3	0.1	0.1	23	0.1	33	0.1	0.1	0.1	0.1
Asbestos identified	Y/N						N	N	Y	N	N	Y	N	N	N	Y	N	N	N	N	Y	N	N	N	N
FOC (dimensionless)	0.005202 (mean)						0.0027	0.001	0.017	0.0029	0.001	0.0075	0.019	0.0017	0.0045	0.0072	0.0051	0.0034	0.0048	0.0014	0.0031	0.001	0.001	0.001	0.0026
SOM (calculated)	0.90% (mean)						0.47%	0.17%	2.93%	0.50%	0.17%	1.29%	3.28%	0.29%	0.78%	1.24%	0.88%	0.59%	0.83%	0.24%	0.53%	0.17%	0.17%	0.17%	0.45%
pH (su)	8.1 (mean)						5.3	8.6	7.6	6.8	8.4	9	8.4	8.8	8.3	9.7	8.4	6	10.8	8.9	9.5	8.2	8.2	7.1	8.2

Risk parameter: Human health - commercial (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated																									
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Soil Type	Nat	Nat	Nat	Nat	MG	Nat	Nat	MG	Nat	MG	Nat	MG	Nat	Nat	MG	Nat	Nat		
						Location & Depth	BH513	BH513	BH513	BH513	TP553	TP553	TP553	BH561	BH561	Q-WS1	Q-WS1	Q-WS1	Q-WS2	Q-WS2	Q-WS2	Q-WS2	2Q1	MG	Nat
						1	2	0.3	1	0.5	1	2.5	0.5	1.5	0.3m	0.5m	1.2-1.3m	0.3m	0.8m	4.9-5.1m	0.6 0.9	0.80	0.30	0.80	
Arsenic	1	77	1	34	0	640	3.7	2	4.5	11	8.4	12	15	18	32	6	2	2	6	8	8	1	6.4	12	13
Beryllium	0.06	61	0.06	36	0	390	0.65	0.2	0.17	1.1	2.4	1.3	2.3	3	6.9	3	7	7	3	2	4		1.3	0.71	1
Boron	0.2	77	0.2	6.2	0	190000	0.6	0.5	0.9	2.1	5	1.1	1.5	2.5	1.6	1	1	1	1	1	1	1	1.5	1.5	2.1
Cadmium	0.2	77	0.2	16	0	220	0.5	0.3	0.5	0.2	0.2	0.2	0.2	0.2	0.2	1	1	1	1	1	1	1	0.8	0.2	0.2
Chromium (III)	1	77	1	106	0	8400	9.3	9.5	12	47	24	27	50	49	60	43	55	53	35	58	47	5	27	20	43
Chromium (VI)	1.2	55	1.2	1.2	0	33	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2								1.2	1.2	1.2
Copper	1	77	1	390	0	69000	7.9	4.8	15	18	88	27	48	26	51	60	49	45	58	18	17	9	47	26	18
Lead	2	77	1	200	0	2330	2.8	2.6	51	14	12	31	38	24	37	30	25	27	29	17	16	1	73	100	20
Mercury, inorganic	0.3	77	0.3	1	0	3600	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.3	0.3	1	1	1	1	1	1	1	0.3	0.3	0.3
Nickel	2	77	2	790	0	1700	17	10	10	20	67	35	59	42	51	59	126	128	56	20	52	3	25	17	19
Selenium	1	77	1	4.8	0	13000	1	1	1	1.3	1	1.5	1.4	1.8	1	3	3	3	3	3	3	1	1	4.5	1
Vanadium	1	61	3.6	130	0	9000	11	8.1	15	60	120	53	100	92	110	113	127	130	117	104	125		50	36	70
Zinc	2	77	12	580	0	670000	66	47	40	40	79	61	97	71	110	100	244	208	103	74	126	12	160	71	46
Cyanide (free)	1	55	1	1	0	16000	1	1	1	1	1	1	1	1	1								1	1	1
Phenol (total)	2	55	1	1.9	0	760	1	1	1	1	1	1	1	1	1								1	1	1
Acenaphthene	0.05	58	0.010467	4.9	0	84000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.010467	0.023	0.014	4.667	0.425	0.169		0.05	0.05	0.05
Acenaphthylene	0.05	58	0.014	0.76	0	83000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.515	0.06	0.014	0.345	0.148	0.142		0.05	0.05	0.05
Anthracene	0.05	58	0.033	21.184	0	520000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	21.184	0.139	0.033	11.877	1.194	0.114		0.64	0.05	0.05
Benz(a)anthracene	0.05	58	0.05	42.925	0	86	0.1	0.1	0.1	0.1	0.23	0.44	0.46	0.1	0.1	42.925	1.475	0.252	24.892	3.779	0.186		3.4	0.2	0.05
Benzo(a)pyrene	0.05	58	0.05	21.847	2	14	0.1	0.1	0.1	0.1	0.1	0.1	0.27	0.1	0.1	21.847	1.715	0.277	13.084	2.622	0.136		3.7	0.22	0.05
Benzo(b)fluoranthene	0.05	58	0.05	21.761	0	97	0.1	0.1	0.1	0.1	0.1	0.36	0.43	0.1	0.1	21.761	1.489	0.331	15.985	4.529	0.198		3.5	0.19	0.05
Benzo(ghi)perylene	0.05	58	0.05	19.019	0	630	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	19.019	1.606	0.284	11.772	2.907	0.139		2.6	0.05	0.05
Benzo(k)fluoranthene	0.05	58	0.05	19.42	0	140	0.1	0.1	0.1	0.1	0.1	0.24	0.21	0.1	0.1	19.42	1.981	0.338	13.214	2.383	0.133		2.3	0.2	0.05
Chrysene	0.05	58	0.05	24.25	0	140	0.05	0.05	0.05	0.05	0.2	0.41	0.59	0.05	0.05	24.25	1.861	0.418	15.224	3.104	0.236		3.1	0.17	0.05
Dibenz(a,h)anthracene	0.05	58	0.05	7.782	0	12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	7.782	0.613	0.096	5.355	0.961	0.055		0.58	0.05	0.05
Fluoranthene	0.05	58	0.05	69.288	0	23000	0.1	0.1	0.1	0.1	0.31	0.84	1	0.1	0.1	69.288	2.698	0.788	51.391	9.305	0.563		6.7	0.32	0.05
Fluorene	0.05	58	0.028	9.573	0	63000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9.573	0.117	0.028	3.861	0.28	0.327		0.05	0.05	0.05
Indeno(1,2,3,cd)pyrene	0.05	58	0.05	16.397	0	58	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	16.397	1.379	0.256	9.987	2.68	0.123		2.3	0.05	0.05
Naphthalene	0.05	58	0.028	2.8	0	190	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1.592	0.601	0.028	0.351	0.124	2.356		0.05	0.05	0.05
Phenanthrene	0.05	58	0.05	75.52	0	22000	0.1	0.1	0.1	0.1	0.39	0.43	0.96	0.1	0.1	75.52	0.525	0.117	40.346	4.027	0.616		2.9	0.05	0.05
Pyrene	0.05	58	0.05	65.501	0	54000	0.1	0.1	0.1	0.1	0.27	0.66	0.88	0.1	0.1	65.501	2.943	0.44	44.452	8.013	0.417		5.8	0.28	0.05
Asbestos identified	Y/N						N	N	N	N	N	N	N	N	N								Y	N	N
FOC (dimensionless)	0.005202 (mean)						0.001	0.001	0.0024	0.001	0.014	0.0082	0.0033	0.0021	0.012								0.011	0.013	0.0047
SOM (calculated)	0.90% (mean)						0.17%	0.17%	0.41%	0.17%	2.41%	1.41%	0.57%	0.36%	2.07%								1.90%	2.24%	0.81%
pH (su)	8.1 (mean)						8.3	8.5	8.8	8.3	10.7	9	6.9	8.1	7.9	10.62	7.66	7.19	10.27	7.24	7.55		8.1	8	7.8

Risk parameter: Human health - commercial (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health

Chemical of Potential Concern	All values in mg/kg unless otherwise stated						Soil Type	Nat	MG	Nat	MG	MG
	Location & Depth						BH541	BH542	BH542	BH529	WS608	
	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.3	0.25	0.60	0.20	0.3	
Arsenic	1	77	1	34	0	640	34	9.7	21	11	9.8	
Beryllium	0.06	61	0.06	36	0	390	16	0.66	1.6	1.6	1.1	
Boron	0.2	77	0.2	6.2	0	190000	2	1.5	1.2	1.1	1.2	
Cadmium	0.2	77	0.2	16	0	220	1.3	0.2	0.2	0.2	0.2	
Chromium (III)	1	77	1	106	0	8400	73	23	62	23	25	
Chromium (VI)	1.2	55	1.2	1.2	0	33	1.2	1.2	1.2	1.2	1.2	
Copper	1	77	1	390	0	69000	43	19	22	33	23	
Lead	2	77	1	200	0	2330	30	12	18	78	41	
Mercury, inorganic	0.3	77	0.3	1	0	3600	0.3	0.3	0.3	0.3	0.3	
Nickel	2	77	2	790	0	1700	130	22	29	27	27	
Selenium	1	77	1	4.8	0	13000	1.1	1	1.6	1	1	
Vanadium	1	61	3.6	130	0	9000	130	38	99	47	44	
Zinc	2	77	12	580	0	670000	150	35	51	120	61	
Cyanide (free)	1	55	1	1	0	16000	1	1	1	1	1	
Phenol (total)	2	55	1	1.9	0	760	1	1	1	1.3	1	
Acenaphthene	0.05	58	0.010467	4.9	0	84000	0.1	0.1	0.1		0.05	
Acenaphthylene	0.05	58	0.014	0.76	0	83000	0.1	0.1	0.1		0.05	
Anthracene	0.05	58	0.033	21.184	0	520000	0.1	0.1	0.1		0.05	
Benz(a)anthracene	0.05	58	0.05	42.925	0	86	0.1	0.28	0.1		0.2	
Benzo(a)pyrene	0.05	58	0.05	21.847	2	14	0.1	0.3	0.1		0.13	
Benzo(b)fluoranthene	0.05	58	0.05	21.761	0	97	0.1	0.37	0.1		0.21	
Benzo(ghi)perylene	0.05	58	0.05	19.019	0	630	0.05	0.05	0.05		0.38	
Benzo(k)fluoranthene	0.05	58	0.05	19.42	0	140	0.1	0.23	0.1		0.15	
Chrysene	0.05	58	0.05	24.25	0	140	0.05	0.34	0.05		0.22	
Dibenz(a,h)anthracene	0.05	58	0.05	7.782	0	12	0.1	0.1	0.1		0.05	
Fluoranthene	0.05	58	0.05	69.288	0	23000	0.1	0.65	0.1		0.4	
Fluorene	0.05	58	0.028	9.573	0	63000	0.1	0.1	0.1		0.05	
Indeno(1,2,3,cd)pyrene	0.05	58	0.05	16.397	0	58	0.1	0.1	0.1		0.25	
Naphthalene	0.05	58	0.028	2.8	0	190	0.05	0.05	0.05		0.05	
Phenanthrene	0.05	58	0.05	75.52	0	22000	0.1	0.1	0.1		0.18	
Pyrene	0.05	58	0.05	65.501	0	54000	0.1	0.61	0.1		0.3	
Asbestos identified	Y/N						N	N	N	Y	N	
FOC (dimensionless)	0.005202	(mean)					0.0042	0.0059	0.0018	0.006	0.0089	
SOM (calculated)	0.90%	(mean)					0.72%	1.02%	0.31%	1.03%	1.53%	
pH (su)	8.1	(mean)					7.9	10.8	5.1	9.9	6.1	

Risk parameter: Human health - commercial (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type														
Location & Depth							MG	MG	Nat	MG	MG	Nat	MG	MG	Nat	Nat	Nat	Nat	MG	MG	MG
							1A1	1A1	1A1	1A2	1A2	1A2	1A3	1A6	1A3	1A3	1A4	1A4	1A5	1A5	2A3
							0.0 0.3	0.6 0.9	2.5 3.0	0.2 0.4	0.7 0.9	2.5 3.0	0.2 0.5	0.3 0.8	2.6 3.0	6.0 6.4	0.1 0.5	1.9 2.2	0.0 0.2	0.3 0.6	0.4 0.8
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC															
Arsenic	1	77	1	34	0	250	9	2	1	9	3	1	10	6	6	2	3	8	4	6	5
Boron	0.2	77	0.2	6.2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromium (III)	1	77	1	106	0	400	51	35	3	65	99	8	47	78	66	41	106	54	26	99	24
Chromium (VI)	1.2	55	1.2	1.2	0	25															
Copper	1	77	1	390	1	135	27	4	1	9	7	1	8	9	18	13	5	16	7	27	41
Nickel	2	77	2	790	4	75	11	11	2	14	31	5	7	8	21	45	11	22	6	13	16
Zinc	2	77	12	580	2	300	61	33	13	36	37	20	28	35	46	151	23	51	44	78	58
	Mean																				
pH (su)	8.1																				

Risk parameter: Plant life pH 7

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s).: Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).
 MG denotes Made Ground
 NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	MG	Nat	MG	Nat	Nat	MG	MG	Nat	MG	MG	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG	
							Location & Depth	BH560	BH560	BH520	BH520	BH527	BH521	BH521	BH521	BH543	BH544	BH544	TP534	TP534	TP535	TP535	TP535	TP536	TP536	TP537	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																					
Arsenic	1	77	1	34	0	250	10	8.9	10	13	20	14	14	16	11	6.5	17	9.1	13	11	21	1	14	11	8.4		
Boron	0.2	77	0.2	6.2	3	3	1.1	0.9	1.2	0.7	1.7	1.7	1.2	1.3	2.6	0.2	1.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Chromium (III)	1	77	1	106	0	400	20	22	47	48	63	39	23	52	26	26	27	23	47	17	56	1.9	26	47	19		
Chromium (VI)	1.2	55	1.2	1.2	0	25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		
Copper	1	77	1	390	1	135	46	23	33	28	36	120	60	26	390	8.6	42	17	33	68	34	5	62	16	18		
Nickel	2	77	2	790	4	75	39	20	59	19	61	63	32	43	33	13	51	18	43	42	45	41	52	19	23		
Zinc	2	77	12	580	2	300	78	55	78	40	110	61	63	68	580	29	35	68	91	73	73	70	64	44	34		
	Mean																										
pH (su)	8.1						10.4	8.1	8	5.6	5.9	8.5	9.6	6.5	9.5	5.9	11.2	7	5.4	9.1	5.2	8.6	8.2	4.2	8.2		
<p>Risk parameter: Plant life pH 7 Data set: MG & Natural Soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s): Multiple</p>																											

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	Nat	Nat	MG	Nat	Nat	MG	MG	MG	MG	MG	MG	MG	Nat	MG	Nat	Nat	Nat	Nat	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth	TP537	TP537	BH533	BH533	BH534	WS603	TP603	TP603	TP603	BH537	BH537	BH537	BH523	BH523	BH536	BH536	BH536	BH513	
Arsenic	1	77	1	34	0	250		16	2.2	12	16	1	8	8.6	1	2.2	12	7.9	18	13	1	11	6.8	7.4	12	10
Boron	0.2	77	0.2	6.2	3	3		0.2	0.2	0.8	0.6	0.9	2.6	1.4	0.6	0.8	0.3	0.5	0.4	6.2	0.2	2.5	2.3	1.3	3.1	2.4
Chromium (III)	1	77	1	106	0	400		47	16	30	42	1	24	22	4.5	6.8	18	23	56	26	3.2	20	43	38	18	29
Chromium (VI)	1.2	55	1.2	1.2	0	25		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	77	1	390	1	135		24	13	75	27	6.9	45	35	7.7	14	66	23	25	60	6.5	47	14	18	99	28
Nickel	2	77	2	790	4	75		40	60	33	27	4	22	17	2.9	5	33	17	28	23	5.2	38	8.6	9.7	790	57
Zinc	2	77	12	580	2	300		58	130	400	75	18	100	110	17	32	140	66	58	49	22	86	21	25	220	100
	Mean																									
pH (su)	8.1							5.3	8.6	7.6	6.8	8.4	9	8.4	8.8	8.3	9.7	8.4	6	10.8	8.9	9.5	8.2	8.2	7.1	8.2

Risk parameter: Plant life pH 7
Data set: MG & Natural Soils
Client: Merseyside Pension Fund
Site: Fort Halstead
Job no.: C-10730
Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	Nat	Nat	Nat	Nat	MG	Nat	Nat	MG	Nat	MG	Nat	Nat	MG	Nat	Nat	MG	Nat	Nat	
							Location & Depth	BH513	BH513	BH513	BH513	TP553	TP553	TP553	BH561	BH561	Q-WS1	Q-WS1	Q-WS1	Q-WS2	Q-WS2	Q-WS2	2Q1	BH602	WS604	WS604
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	1	2	0.3	1	0.5	1	2.5	0.5	1.5	0.3m	0.5m	1.2-1.3m	0.3m	0.8m	4.9-5.1m	0.6 0.9	0.80	0.30	0.80	
Arsenic	1	77	1	34	0	250	3.7	2	4.5	11	8.4	12	15	18	32	6	2	2	6	8	8	1	6.4	12	13	
Boron	0.2	77	0.2	6.2	3	3	0.6	0.5	0.9	2.1	5	1.1	1.5	2.5	1.6	1	1	1	1	1	1	1	1.5	1.5	2.1	
Chromium (III)	1	77	1	106	0	400	9.3	9.5	12	47	24	27	50	49	60	43	55	53	35	58	47	5	27	20	43	
Chromium (VI)	1.2	55	1.2	1.2	0	25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2								1.2	1.2	1.2	
Copper	1	77	1	390	1	135	7.9	4.8	15	18	88	27	48	26	51	60	49	45	58	18	17	9	47	26	18	
Nickel	2	77	2	790	4	75	17	10	10	20	67	35	59	42	51	59	126	128	56	20	52	3	25	17	19	
Zinc	2	77	12	580	2	300	66	47	40	40	79	61	97	71	110	100	244	208	103	74	126	12	160	71	46	
	Mean																									
pH (su)	8.1						8.3	8.5	8.8	8.3	10.7	9	6.9	8.1	7.9	10.62	7.66	7.19	10.27	7.24	7.55		8.1	8	7.8	

Risk parameter: Plant life pH 7
Data set: MG & Natural Soils
Client: Merseyside Pension Fund
Site: Fort Halstead
Job no.: C-10730
Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life

All values in mg/kg unless otherwise stated							Soil Type	Nat	MG	Nat	MG	MG
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Location & Depth	Location & Depth					
							BH541	BH542	BH542	BH529	WS608	
							0.3	0.25	0.60	0.20		0.3
Arsenic	1	77	1	34	0	250	34	9.7	21	11		9.8
Boron	0.2	77	0.2	6.2	3	3	2	1.5	1.2	1.1		1.2
Chromium (III)	1	77	1	106	0	400	73	23	62	23		25
Chromium (VI)	1.2	55	1.2	1.2	0	25	1.2	1.2	1.2	1.2		1.2
Copper	1	77	1	390	1	135	43	19	22	33		23
Nickel	2	77	2	790	4	75	130	22	29	27		27
Zinc	2	77	12	580	2	300	150	35	51	120		61
	Mean											
pH (su)	8.1						7.9	10.8	5.1	9.9		6.1
<p>Risk parameter: Plant life pH 7 Data set: MG & Natural Soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s): Multiple</p>												

Assessment of Chemicals of Potential Concern to Human Health



Soil Type							MG	MG	Nat	MG	MG	MG	Nat	MG	Nat	MG	Nat	MG	MG	MG	MG	
All values in mg/kg unless otherwise stated Location & Depth							BH560	BH520	BH520	BH521	BH521	BH521	BH543	TP535	TP535	TP536	TP536	WS603	TP603	TP603	TP603	
							0.40	0.40	1.00	0.40	0.50	0.90	0.30	0.20	0.50	0.20	0.40	0.80	0.10	0.40	1.20	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																
Aliphatics EC5-EC6	0.01	34	0.001	0.1	0	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001
Aliphatics >EC6-EC8	0.01	34	0.001	0.1	0	140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001
Aliphatics >EC8-EC10	0.01	34	0.001	0.1	0	78	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001
Aliphatics >EC10-EC12	0.01	34	1	3.2	0	48	1	1	1	1	1	1	1	1	1	1	1	1	1	1.6	1	1
Aliphatics >EC12-EC16	0.1	40	0.389	42	1	24	2	2	2	2	2	2	3.4	3.3	2	2	2	2	2	7	2	2
Aliphatics >EC16-EC35	0.1	32	0.1	1300	0	1000000	10	10	10	10	10	10	110	57	10	10						
Aliphatics >EC35-EC44	0.1	34	8.4	100	0	1000000	8.4	8.4	8.4	8.4	8.4	8.4	100	8.4	8.4	8.4	8.4	20	31	8.4	8.4	
Aromatics EC5-EC7	0.01	34	0.001	0.1	0	1200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001
Aromatics >EC7-EC8	0.01	34	0.001	0.1	0	870	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001
Aromatics >EC8-EC10	0.01	34	0.001	0.1	0	610	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001
Aromatics >EC10-EC12	0.01	34	1	4.4	0	360	1	1	1	1	1	1	1	2	1	1	1	1	1	4.4	1	1
Aromatics >EC12-EC16	0.1	40	0.151	28	0	36000	2	2	2	2	2	2	6.9	8.4	2	2	2	2	2	11	2.3	2
Aromatics >EC16-EC21	0.1	40	0.262	240	0	28000	15	10	10	10	10	10	67	110	10	10	10	44	49	10	10	
Aromatics >EC21-EC35	0.1	40	0.324	620	0	28000	28	10	10	10	42	10	240	610	10	10	10	120	180	19	22	
Aromatics >EC35-EC44	0.1	34	8.4	230	0	28000	8.4	8.4	8.4	8.4	42	8.4	73	110	8.4	8.4	8.4	16	100	8.4	8.4	
ADDITIVITY CHECK							HAZARD QUOTIENTS FOR EACH FRACTION															
Aliphatics EC5-EC6							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aliphatics >EC6-EC8							0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	
Aliphatics >EC8-EC10							0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	
Aliphatics >EC10-EC12							0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.033	0.021	0.021
Aliphatics >EC12-EC16							0.083	0.083	0.083	0.083	0.083	0.083	0.142	0.138	0.083	0.083	0.083	0.083	0.083	0.292	0.083	0.083
Aliphatics >EC16-EC35							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aliphatics >EC35-EC44							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics EC5-EC7							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics >EC7-EC8							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics >EC8-EC10							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics >EC10-EC12							0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.006	0.003	0.003	0.003	0.003	0.012	0.003	0.003	
Aromatics >EC12-EC16							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics >EC16-EC21							0.001	0.000	0.000	0.000	0.000	0.000	0.002	0.004	0.000	0.000	0.000	0.002	0.002	0.000	0.000	
Aromatics >EC21-EC35							0.001	0.000	0.000	0.000	0.002	0.000	0.009	0.022	0.000	0.000	0.000	0.004	0.006	0.001	0.001	
Aromatics >EC35-EC44							0.000	0.000	0.000	0.000	0.002	0.000	0.003	0.004	0.000	0.000	0.000	0.001	0.004	0.000	0.000	
Hazard Index for ali>C8-C16							0.105	0.105	0.105	0.105	0.105	0.105	0.164	0.160	0.105	0.105	0.105	0.104	0.325	0.104	0.104	
Hazard Index for aro>C8-C16							0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.006	0.003	0.003	0.003	0.003	0.013	0.003	0.003	
Hazard Index for aro>C16-C35							0.002	0.001	0.001	0.001	0.002	0.001	0.011	0.026	0.001	0.001	0.001	0.006	0.008	0.001	0.001	
Risk parameter: Human health - commercial (1%SOM)							Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.															
Data set: MG & Natural Soils							Legend: Main table values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.															
Client: Messeyside Pension Fund							Main table values in red are equal to, or greater than, the generic assessment criterion (GAC).															
Site: Fort Halstead							MG denotes Made Ground															
Job no.: C-10730							NAT denotes natural ground															
Lab. report no(s).: Multiple																						

Assessment of Chemicals of Potential Concern to Human Health



Soil Type							MG	MG	MG	Nat	Nat	Nat	MG	Nat	Nat	MG	Nat	Nat	Nat	MG	Nat	Nat	MG	Nat	Nat					
All values in mg/kg unless otherwise stated Location & Depth							BH537	BH523	BH536	BH536	BH536	BH536	BH537	BH513	BH513	TP553	TP553	TP553	BH602	Q-WS1	Q-WS1	Q-WS1	Q-WS2	Q-WS2	Q-WS2					
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.40	0.3	0.3	0.5	1.5	2.6	0.4	0.3	1	0.5	1	2.5	0.8	0.3m	0.5m	1.2-1.3m	0.3m	0.8m	4.9-5.1m					
							Aliphatics EC5-EC6	0.01	34	0.001	0.1	0	300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001				
Aliphatics >EC6-EC8	0.01	34	0.001	0.1	0	140	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001											
Aliphatics >EC8-EC10	0.01	34	0.001	0.1	0	78	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001											
Aliphatics >EC10-EC12	0.01	34	1	3.2	0	48	1	1	1.5	1	1	1	1	1	1	1	1	1	3.2											
Aliphatics >EC12-EC16	0.1	40	0.389	42	1	24	2	2	42	2	2	2	2	2	2	2	2	2	19	15.619	1.94	0.71	14.381	0.389	1.601					
Aliphatics >EC16-EC35	0.1	32	0.1	1300	0	1000000	27	58	1300	10	10	10	27	10	10	10	10	10		25.591	0.535	0.53	25.491	0.499	0.1					
Aliphatics >EC35-EC44	0.1	34	8.4	100	0	1000000	21	27	15	8.4	8.4	8.4	21	8.4	8.4	8.4	8.4	8.4	25											
Aromatics EC5-EC7	0.01	34	0.001	0.1	0	1200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001											
Aromatics >EC7-EC8	0.01	34	0.001	0.1	0	870	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001											
Aromatics >EC8-EC10	0.01	34	0.001	0.1	0	610	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001											
Aromatics >EC10-EC12	0.01	34	1	4.4	0	360	1	1	3.2	1	1	1	1	1	1	1	1	1	1											
Aromatics >EC12-EC16	0.1	40	0.151	28	0	36000	2.3	14	28	2	2	2	2.3	2	2	2	2	2	7.9	2.025	0.576	0.151	1.251	0.35	0.255					
Aromatics >EC16-EC21	0.1	40	0.262	240	0	28000	18	130	240	10	10	10	18	10	10	10	10	10	43	14.639	1.1	0.262	17.39	1.554	0.429					
Aromatics >EC21-EC35	0.1	40	0.324	620	0	28000	110	370	620	10	10	10	110	10	10	10	12	10	51	370.51	31.536	0.324	461.722	20.12	0.432					
Aromatics >EC35-EC44	0.1	34	8.4	230	0	28000	53	230	110	8.4	8.4	8.4	53	8.4	8.4	8.4	8.4	8.4	8.4											
ADDITIVITY CHECK																														
Aliphatics EC5-EC6							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000											
Aliphatics >EC6-EC8							0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000										
Aliphatics >EC8-EC10							0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000												
Considered additive Aliphatics >EC10-EC12							0.021	0.021	0.031	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.067								
Aliphatics >EC12-EC16							0.083	0.083	1.750	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.792	0.651	0.081	0.030	0.599	0.016	0.067		
Aliphatics >EC16-EC35							0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aliphatics >EC35-EC44							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000								
Aromatics EC5-EC7							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000								
Aromatics >EC7-EC8							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000								
Considered additive Aromatics >EC8-EC10							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000							
Aromatics >EC10-EC12							0.003	0.003	0.009	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003								
Aromatics >EC12-EC16							0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics >EC16-EC21							0.001	0.005	0.009	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.000	0.000	0.001	0.000	0.000	0.000	
Considered additive Aromatics >EC21-EC35							0.004	0.013	0.022	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.013	0.001	0.000	0.016	0.001	0.000	0.000	
Aromatics >EC35-EC44							0.002	0.008	0.004	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000							
Hazard Index for ali>C8-C16							0.105	0.105	1.783	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.858								
Hazard Index for aro>C8-C16							0.003	0.003	0.010	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003								
Hazard Index for aro>C16-C35							0.005	0.018	0.031	0.001	0.001	0.001	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.014	0.001	0.000	0.017	0.001	0.000		
<p>Risk parameter: Human health - commercial (1%SOM) Data set: MG & Natural Soils Client: Messeyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s): Multiple</p>																														

Assessment of Chemicals of Potential Concern to Human Health

All values in mg/kg unless otherwise stated							Soil Type	MG	Nat	Nat	Nat	MG	Nat	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth	BH602	WS604	WS604	BH541	BH542	BH542	
								0.80	0.30	0.80	0.3	0.25	0.6	
Aliphatics EC5-EC6	0.01	34	0.001	0.1	0	300		0.001	0.001	0.001	0.1	0.1	0.1	
Aliphatics >EC6-EC8	0.01	34	0.001	0.1	0	140		0.001	0.001	0.001	0.1	0.1	0.1	
Aliphatics >EC8-EC10	0.01	34	0.001	0.1	0	78		0.001	0.001	0.001	0.1	0.1	0.1	
Aliphatics >EC10-EC12	0.01	34	1	3.2	0	48		3.2	1	1	1	1	1	
Aliphatics >EC12-EC16	0.1	40	0.389	42	1	24		19	2	2.1	2	2	2	
Aliphatics >EC16-EC35	0.1	32	0.1	1300	0	1000000					10	10	10	
Aliphatics >EC35-EC44	0.1	34	8.4	100	0	1000000		25	8.4	8.4	8.4	8.4	8.4	
Aromatics EC5-EC7	0.01	34	0.001	0.1	0	1200		0.001	0.001	0.001	0.1	0.1	0.1	
Aromatics >EC7-EC8	0.01	34	0.001	0.1	0	870		0.001	0.001	0.001	0.1	0.1	0.1	
Aromatics >EC8-EC10	0.01	34	0.001	0.1	0	610		0.001	0.001	0.001	0.1	0.1	0.1	
Aromatics >EC10-EC12	0.01	34	1	4.4	0	360		1	1	1	1	1	1	
Aromatics >EC12-EC16	0.1	40	0.151	28	0	36000		7.9	2	2	2	2	2	
Aromatics >EC16-EC21	0.1	40	0.262	240	0	28000		43	10	10	10	10	10	
Aromatics >EC21-EC35	0.1	40	0.324	620	0	28000		51	11	10	10	10	10	
Aromatics >EC35-EC44	0.1	34	8.4	230	0	28000		8.4	8.4	8.4	8.4	8.4	8.4	
ADDITIVITY CHECK														
Aliphatics EC5-EC6								0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aliphatics >EC6-EC8								0.000	0.000	0.000	0.001	0.001	0.001	0.001
Aliphatics >EC8-EC10								0.000	0.000	0.000	0.001	0.001	0.001	0.001
Aliphatics >EC10-EC12							Considered additive	0.067	0.021	0.021	0.021	0.021	0.021	0.021
Aliphatics >EC12-EC16								0.792	0.083	0.088	0.083	0.083	0.083	0.083
Aliphatics >EC16-EC35											0.000	0.000	0.000	0.000
Aliphatics >EC35-EC44								0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics EC5-EC7								0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC7-EC8								0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC8-EC10							Considered additive	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC10-EC12								0.003	0.003	0.003	0.003	0.003	0.003	0.003
Aromatics >EC12-EC16								0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC16-EC21							Considered additive	0.002	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC21-EC35								0.002	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC35-EC44								0.000	0.000	0.000	0.000	0.000	0.000	0.000
Hazard Index for ali>C8-C16								0.858	0.104	0.108	0.105	0.105	0.105	0.105
Hazard Index for aro>C8-C16								0.003	0.003	0.003	0.003	0.003	0.003	0.003
Hazard Index for aro>C16-C35								0.003	0.001	0.001	0.001	0.001	0.001	0.001
<p>Risk parameter: Human health - commercial (1%SOM) Data set: MG & Natural Soils Client: Messeyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s).: Multiple</p>														

Assessment of Chemicals of Potential Concern to Human Health

All values in mg/kg unless otherwise stated							Soil Type																
Location & Depth							Nat		Nat		MG		MG		Nat		Nat		MG		Nat		
							2H1	2H1	2H3	2H3	1R4	2S2	2S2	3S1	3S2	S-WS1	S-WS1	S-WS1	S-WS1	MG	S-WS2	S-WS2	
							0.6 0.7	1.5 1.8	0.45 0.6	2.0 2.6	0.2 0.6	0.5 0.8	1.6 1.9	1.3 1.5	5.0 5.4	0.15m	0.7m	1.6-1.7m	3.6-3.8m	0.1m	0.6m		
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																	
Arsenic	1	123	1	52	3	37	5	16	16	12	11	8	10	17	3	10	8	7	1	9	6		
Beryllium	0.06	114	0.06	36	0	73										1	1	1	10	1	1		
Boron	0.2	108	0.2	17	0	300	1	1	1	1	1	1	1	1									
Cadmium	0.2	123	0.2	125	4	14	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1		
Chromium (III)	1	123	1.2	260	0	890	107	54	47	38	20	28	40	45	38	34	58	59	45	130	36		
Chromium (VI)	1.2	95	1.2	65	7	6.1																	
Copper	1	123	1	7330	1	2500	23	44	12	4	2	5	17	9	16	49	3	4	17	619	24		
Lead	2	123	2.8	3116	15	200	22	18	17	11	13	16	12	16	13	305	14	10	21	248	25		
Mercury, inorganic	0.3	123	0.3	16	0	170	1	1	1	1	1	1	1	16	13	1	1	1	1	1	1		
Nickel	2	123	2.4	1707	6	130	15	12	9	9	3	8	34	10	102	30	19	15	52	1707	17		
Selenium	1	123	1	125	0	360	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3		
Vanadium	1	114	4.9	130	0	410										44	76	93	91	30	60		
Zinc	2	123	12	5500	3	3900	41	65	48	35	22	26	94	35	74	454	59	46	119	631	77		
Cyanide (free)	1	95	1	1	0	790																	
Phenol (total)	2	95	1	1.9	0	290																	
Acenaphthene	0.05	108	0.014	12.114	0	220										12.114	0.119	0.139	0.014	9.108	0.173		
Acenaphthylene	0.05	108	0.005	5.3	0	180										2.011	0.034	0.024	0.005	3.409	0.139		
Anthracene	0.05	108	0.009	33.45	0	2400										33.45	0.258	0.36	0.009	30.949	0.671		
Benz(a)anthracene	0.05	108	0.012	110	10	4.2										79.177	0.6	0.266	0.012	106.711	3.347		
Benzo(a)pyrene	0.05	108	0.012	120	24	1.5										55.009	0.546	0.21	0.012	115.264	3.701		
Benzo(b)fluoranthene	0.05	108	0.016	110	10	7.6										58.701	0.57	0.274	0.016	96.641	3.178		
Benzo(ghi)perylene	0.05	108	0.01	80.459	2	64										56.525	0.757	0.377	0.01	80.459	2.545		
Benzo(k)fluoranthene	0.05	108	0.016	100	6	12										58.701	0.57	0.274	0.016	96.641	3.178		
Chrysene	0.05	108	0.01	101.944	9	7.7										52.932	0.71	0.415	0.01	101.944	3.278		
Dibenz(a,h)anthracene	0.05	108	0.011	80.815	13	1.1										46.673	0.496	0.27	0.011	80.815	2.453		
Fluoranthene	0.05	108	0.025	286.449	0	290										172.242	1.916	1.205	0.025	286.449	7.128		
Fluorene	0.05	108	0.012	10.81	0	170										10.81	0.217	0.239	0.012	5.827	0.095		
Indeno(1,2,3,cd)pyrene	0.05	108	0.011	80.815	9	4.3										46.673	0.496	0.27	0.011	80.815	2.453		
Naphthalene	0.05	108	0.01	4.407	2	2.2										2.897	0.135	0.168	0.01	0.572	0.041		
Phenanthrene	0.05	108	0.021	111.938	1	97										111.938	1.348	1.084	0.021	90.985	2.01		
Pyrene	0.05	108	0.022	244.807	0	620										159.165	1.589	0.966	0.022	244.807	6.276		
Asbestos identified	Y/N																						
FOC (dimensionless)	0.007137	(mean)																					
SOM (calculated)	1.23%	(mean)																					
pH (su)	7.3	(mean)														7.53	6.08	4.67	5.19	7.86	5.99		

Risk parameter: Human health - residential with plant uptake (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC). MG denotes Made Ground NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated																										
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	Soil Type	Location & Depth	MG		MG		MG		MG		MG		MG		MG		MG		MG			
							Nat	S-WS2	S-WS4	S-WS5	S-WS5	S-WS6	S-WS6	S-WS7	S-WS7	S-WS7	S-WS7	BH515	BH515	BH505	BH505	BH501	BH502	BH502	BH530	BH530
							1.8-1.9m	0.3m	0.30m	2.60-2.70m	0.30m	1.30-1.40m	0.30m	1.30-1.40m	3.50-3.60m	0.30	0.50	0.20	0.60	0.20	0.40	0.60	0.20	0.40	0.40	
					No. Samples > or = GAC	GAC																				
Arsenic	1	123	1	52	3	37	12	6	50	10	52	10	17	10	4	7.6	9.6	11	9.9	15	19	10	28	28	7.4	
Beryllium	0.06	114	0.06	36	0	73	1	2	1	2	1	1	2	5	0.48	0.87	0.62	0.48	1.2	0.96	0.67	1.4	1.8	0.52		
Boron	0.2	108	0.2	17	0	300										1.3	1.9	0.6	0.8	1.4	3.7	0.6	1	1.1	0.9	
Cadmium	0.2	123	0.2	125	4	14	1	3	9	1	125	1	3	1	1	0.2	0.2	0.3	0.2	1.1	0.2	0.2	0.2	0.2	0.2	
Chromium (III)	1	123	1.2	260	0	890	77	53	95	55	186	54	34	56	44	21	33	44	36	43	35	37	30	28	17	
Chromium (VI)	1.2	95	1.2	65	7	6.1										1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	123	1	7330	1	2500	1	149	2312	37	7330	80	170	10	32	19	16	32	19	38	50	14	82	61	11	
Lead	2	123	2.8	3116	15	200	17	118	412	27	2998	48	3116	50	39	76	16	310	40	84	330	14	470	390	9.9	
Mercury, inorganic	0.3	123	0.3	16	0	170	1	1	1	1	2	1	1	1	1.6	0.3	0.3	0.3	0.6	0.7	0.3	1.9	0.3	0.3		
Nickel	2	123	2.4	1707	6	130	21	43	81	45	556	24	54	31	87	15	21	30	23	30	20	53	54	32		
Selenium	1	123	1	125	0	360	3	3	9	1	125	1	3	1	1	1	1	1.4	1	1.6	1	1	1.3	2	1	
Vanadium	1	114	4.9	130	0	410	129	58	45	128	45	85	66	119	88	30	51	47	47	75	66	53	76	80	26	
Zinc	2	123	12	5500	3	3900	61	302	2120	122	4251	107	379	80	158	170	48	140	39	120	100	35	68	89	29	
Cyanide (free)	1	95	1	1	0	790										1	1	1	1	1	1	1	1	1	1	
Phenol (total)	2	95	1	1.9	0	290										1	1	1	1	1	1	1	1	1	1	
Acenaphthene	0.05	108	0.014	12.114	0	220	0.014	5.255	0.254	0.014	3.004	2.948	0.122	0.016	0.014			0.1	0.1	0.1	0.1	0.1	0.1	0.33	0.1	0.1
Acenaphthylene	0.05	108	0.005	5.3	0	180	0.005	1.513	0.163	0.016	1.335	0.128	0.14	0.019	0.011			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Anthracene	0.05	108	0.009	33.45	0	2400	0.009	9.681	0.64	0.009	8.529	2.312	0.313	0.03	0.009			0.1	0.1	0.19	0.37	0.1	0.99	0.19	0.1	
Benz(a)anthracene	0.05	108	0.012	110	10	4.2	0.012	35.871	1.62	0.013	30.674	2.315	1.271	0.04	0.017			0.1	0.1	0.64	0.86	0.1	2.9	0.4	0.1	
Benzo(a)pyrene	0.05	108	0.012	120	24	1.5	0.012	49.915	1.985	0.012	38.775	1.841	1.489	0.035	0.02			0.1	0.1	0.51	0.86	0.1	3.4	0.28	0.1	
Benzo(b)fluoranthene	0.05	108	0.016	110	10	7.6	0.016	43.629	1.973	0.016	30.705	1.836	1.578	0.031	0.024			0.1	0.1	0.73	0.79	0.1	2.5	0.24	0.1	
Benzo(ghi)perylene	0.05	108	0.01	80.459	2	64	0.01	34.329	1.88	0.01	25.121	1.417	1.248	0.027	0.018			0.05	0.05	0.05	0.64	0.05	2.1	0.05	0.05	
Benzo(k)fluoranthene	0.05	108	0.016	100	6	12	0.016	43.629	1.973	0.016	30.705	1.836	1.578	0.031	0.024			0.1	0.1	0.41	0.87	0.1	2.6	0.32	0.1	
Chrysene	0.05	108	0.01	101.944	9	7.7	0.01	37.439	2.051	0.028	32.249	2.718	1.628	0.05	0.029			0.05	0.05	0.83	1	0.05	3.3	0.48	0.05	
Dibenz(a,h)anthracene	0.05	108	0.011	80.815	13	1.1	0.011	33.519	1.723	0.011	26.063	1.38	1.135	0.026	0.018			0.1	0.1	0.1	0.1	0.1	0.24	0.1	0.1	
Fluoranthene	0.05	108	0.025	286.449	0	290	0.025	112.406	3.729	0.029	64.041	9.239	2.501	0.146	0.076			0.1	0.1	1.6	2.1	0.1	6.4	1	0.1	
Fluorene	0.05	108	0.012	10.81	0	170	0.012	2.571	0.21	0.032	1.989	2.344	0.095	0.066	0.028			0.1	0.1	0.1	0.1	0.1	0.31	0.1	0.1	
Indeno(1,2,3,cd)pyrene	0.05	108	0.011	80.815	9	4.3	0.011	33.519	1.723	0.011	26.063	1.38	1.135	0.026	0.018			0.1	0.1	0.1	0.39	0.1	1.3	0.1	0.1	
Naphthalene	0.05	108	0.01	4.407	2	2.2	0.01	0.201	0.554	0.165	0.671	4.407	0.36	0.238	0.138			0.05	0.05	0.05	0.29	0.05	0.18	0.05	0.05	
Phenanthrene	0.05	108	0.021	111.938	1	97	0.021	26.947	2.215	0.068	24.561	13.649	1.098	0.25	0.118			0.1	0.1	1.1	1.2	0.1	3.3	0.65	0.1	
Pyrene	0.05	108	0.022	244.807	0	620	0.022	107.541	4.103	0.023	58.655	7.159	2.413	0.11	0.047			0.1	0.1	1.4	1.9	0.1	5.8	0.86	0.1	
Asbestos identified	Y/N															Y	N	Y	N	N	N	N	Y	Y	N	
FOC (dimensionless)	0.007137	(mean)														0.0053	0.0029	0.0065	0.0025	0.0053	0.0068	0.001	0.0086	0.0059	0.001	
SOM (calculated)	1.23%	(mean)														0.91%	0.50%	1.12%	0.43%	0.91%	1.17%	0.17%	1.48%	1.02%	0.17%	
pH (su)	7.3	(mean)						5.23	7.83	8.11	7.62	7.6	5.61	9.25	4.94	4.94	10.1	8.3	6.9	5.1	7.6	9	7.1	10	8.7	9.2

Risk parameter: Human health - residential with plant uptake (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated							Soil Type	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	Nat	MG	MG	MG	Nat	MG	Nat	Nat	MG	
Location & Depth							TP505	TP546	TP546	TP548	TP548	TP508	TP508	TP509	TP509	TP521	TP521	TP522	TP522	TP543	TP543	TP510	TP510	TP510	TP539
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.50	0.30	0.80	0.20	1.00	0.40	0.50	0.10	0.70	0.30	0.80	0.40	1.00	0.20	0.40	0.10	0.40	0.40	
Arsenic	1	123	1	52	3	37	14	8.7	20	13	10	24	9.6	9.6	19	11	14	17	19	11	1	12	17	14	8.2
Beryllium	0.06	114	0.06	36	0	73	0.84	0.34	1.1	1.3	0.79	2.3	0.77	0.57	0.97	0.82	1.1	1.2	2	0.62	0.06	0.76	0.85	0.8	0.66
Boron	0.2	108	0.2	17	0	300	0.2	0.2	1.3	0.2	1.2	2.5	3.1	3.1	0.9	3.3	0.5	1.1	2.8	1	0.4	1.2	2.2	1	3
Cadmium	0.2	123	0.2	125	4	14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	5.3	0.2	0.4	0.3	0.3	0.2	0.2	0.3
Chromium (III)	1	123	1.2	260	0	890	34	20	62	27	29	56	41	25	68	22	51	45	61	32	3.7	29	56	54	21
Chromium (VI)	1.2	95	1.2	65	7	6.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	123	1	7330	1	2500	30	19	28	16	14	120	15	20	26	54	21	400	27	39	7.4	28	18	20	38
Lead	2	123	2.8	3116	15	200	35	36	20	23	9.9	42	14	77	18	110	14	140	18	130	11	70	14	16	510
Mercury, inorganic	0.3	123	0.3	16	0	170	0.5	0.4	0.5	0.4	0.3	0.3	0.3	0.6	0.5	0.3	0.5	0.4	0.6	0.3	0.4	0.5	0.3	0.3	0.3
Nickel	2	123	2.4	1707	6	130	19	14	19	16	7.2	57	20	17	24	27	21	51	31	18	2.4	21	17	14	17
Selenium	1	123	1	125	0	360	1.3	1	1	1	1	1.4	1.1	1	1	1	1	1	3.9	1	1	1	1.1	1.3	1.3
Vanadium	1	114	4.9	130	0	410	50	25	110	64	55	81	55	36	85	41	79	56	93	33	4.9	42	76	67	36
Zinc	2	123	12	5500	3	3900	84	47	36	41	16	100	46	61	53	150	47	450	58	150	20	120	33	31	120
Cyanide (free)	1	95	1	1	0	790	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Phenol (total)	2	95	1	1.9	0	290	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Acenaphthene	0.05	108	0.014	12.114	0	220	0.43	0.1	0.1	0.1	0.1	0.39	0.1	0.1	0.1	1.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Acenaphthylene	0.05	108	0.005	5.3	0	180	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Anthracene	0.05	108	0.009	33.45	0	2400	0.81	0.1	0.1	0.1	0.1	0.85	0.1	0.1	0.1	3.6	0.1	0.44	0.1	0.49	0.1	0.65	0.1	0.1	0.11
Benz(a)anthracene	0.05	108	0.012	110	10	4.2	2.7	0.1	0.1	0.1	0.1	3.5	0.1	0.1	0.36	19	0.1	2.3	0.1	2.1	0.1	2.7	0.1	0.1	0.44
Benzo(a)pyrene	0.05	108	0.012	120	24	1.5	1.6	0.1	0.1	0.1	0.1	3	0.1	0.1	0.4	22	0.1	2.2	0.1	1.5	0.1	2.1	0.1	0.1	0.23
Benzo(b)fluoranthene	0.05	108	0.016	110	10	7.6	2.4	0.1	0.1	0.1	0.1	3.8	0.1	0.1	0.53	20	0.1	3.5	0.1	2.7	0.1	2.9	0.1	0.1	0.34
Benzo(ghi)perylene	0.05	108	0.01	80.459	2	64	1	0.05	0.05	0.05	0.05	1.9	0.05	0.05	0.29	10	0.05	1.6	0.05	1.1	0.05	1.5	0.05	0.05	0.05
Benzo(k)fluoranthene	0.05	108	0.016	100	6	12	1.5	0.1	0.1	0.1	0.1	2.6	0.1	0.1	0.3	13	0.1	1.5	0.1	1.3	0.1	2	0.1	0.1	0.27
Chrysene	0.05	108	0.01	101.944	9	7.7	2.2	0.05	0.05	0.05	0.05	2.8	0.05	0.05	0.31	13	0.05	1.8	0.05	1.7	0.05	2	0.05	0.05	0.51
Dibenz(a,h)anthracene	0.05	108	0.011	80.815	13	1.1	0.1	0.1	0.1	0.1	0.1	0.35	0.1	0.1	0.1	2.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Fluoranthene	0.05	108	0.025	286.449	0	290	5.9	0.1	0.1	0.1	0.1	5.9	0.1	0.1	0.63	35	0.1	4.2	0.1	4.3	0.1	5.8	0.1	0.1	0.67
Fluorene	0.05	108	0.012	10.81	0	170	0.4	0.1	0.1	0.1	0.1	0.24	0.1	0.1	0.1	0.89	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indeno(1,2,3,cd)pyrene	0.05	108	0.011	80.815	9	4.3	0.8	0.1	0.1	0.1	0.1	1.6	0.1	0.1	0.24	8.6	0.1	1.4	0.1	0.85	0.1	1.3	0.1	0.1	0.1
Naphthalene	0.05	108	0.01	4.407	2	2.2	0.05	0.05	0.05	0.05	0.05	0.24	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Phenanthrene	0.05	108	0.021	111.938	1	97	4.2	0.1	0.1	0.1	0.1	3.6	0.1	0.1	0.1	7	0.1	1.6	0.1	2.5	0.1	2.7	0.1	0.1	0.83
Pyrene	0.05	108	0.022	244.807	0	620	4.6	0.1	0.1	0.1	0.1	5.1	0.1	0.1	0.62	33	0.1	3.6	0.1	3.5	0.1	4.7	0.1	0.1	0.46
Asbestos identified	Y/N						N	N	N	N	N	Y	N	N	N	Y	N	N	Y	N	N	Y	N	N	Y
FOC (dimensionless)	0.007137 (mean)						0.011	0.008	0.0036	0.001	0.001	0.01	0.0026	0.004	0.001	0.0075	0.0012	0.0045	0.001	0.019	0.001	0.022	0.002	0.001	0.0052
SOM (calculated)	1.23% (mean)						1.90%	1.38%	0.62%	0.17%	0.17%	1.72%	0.45%	0.69%	0.17%	1.29%	0.21%	0.78%	0.17%	3.28%	0.17%	3.79%	0.34%	0.17%	0.90%
pH (su)	7.3 (mean)						7.4	8.2	4.9	5.9	5.1	9.7	8.3	10.2	7.9	8.9	5.2	9.2	7.8	8.3	8	7	4.7	4.7	9.8

Risk parameter: Human health - residential with plant uptake (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	MG	MG	MG	Nat	MG	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat		
Location & Depth						TP539	TP539	TP540	TP540	TP549	TP550	TP550	TP555	TP555	TP555	TP534	TP534	TP535	TP535	TP535	TP536	TP536	TP537	TP537	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.90	2.00	0.30	0.90	0.40	0.30	0.60	0.40	1.20	0.30	1.00	0.20	0.50	2.10	0.20	0.40	0.20	0.50	3.30
Arsenic	1	123	1	52	3	37	8.1	21	16	9.5	7.9	12	22	16	19	9.1	13	11	21	1	14	11	8.4	16	2.2
Beryllium	0.06	114	0.06	36	0	73	0.49	1.9	1.4	0.7	0.87	0.52	2.7	3.9	1.9	0.86	2.7	1.6	2.2	36	2.1	1.5	1.2	3.6	2.3
Boron	0.2	108	0.2	17	0	300	1.1	1.5	1.3	1	4.5	2.6	0.3	2.7	1.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Cadmium	0.2	123	0.2	125	4	14	0.2	0.2	0.2	0.2	0.2	0.2	0.2	20	0.2	0.2	0.2	0.2	0.2	16	0.3	0.2	0.2	0.2	1.7
Chromium (III)	1	123	1.2	260	0	890	21	70	50	27	26	20	58	100	54	23	47	17	56	1.9	26	47	19	47	16
Chromium (VI)	1.2	95	1.2	65	7	6.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	123	1	7330	1	2500	11	28	26	12	20	24	48	1100	32	17	33	68	34	5	62	16	18	24	13
Lead	2	123	2.8	3116	15	200	22	21	13	20	59	10	21	330	23	56	20	15	27	3.6	18	24	19	16	7.1
Mercury, inorganic	0.3	123	0.3	16	0	170	0.3	0.5	0.4	0.3	0.9	0.3	0.4	1.6	0.5	0.3	0.5	0.8	0.9	0.7	0.3	0.4	0.3	0.5	0.6
Nickel	2	123	2.4	1707	6	130	12	32	19	17	15	24	63	150	41	18	43	42	45	41	52	19	23	40	60
Selenium	1	123	1	125	0	360	1	1.8	1	1	1	1	1	3.3	1	1	1	4.8	1	1	1	1	2.6	2.9	1
Vanadium	1	114	4.9	130	0	410	28	110	87	40	33	23	120	88	98	33	100	66	110	7.3	87	58	34	78	28
Zinc	2	123	12	5500	3	3900	39	65	47	49	110	30	100	1100	84	68	91	73	73	70	64	44	34	58	130
Cyanide (free)	1	95	1	1	0	790	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Phenol (total)	2	95	1	1.9	0	290	1	1	1	1	1	1	1	1	1.9	1	1	1	1	1	1	1	1	1	1
Acenaphthene	0.05	108	0.014	12.114	0	220	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.8	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Acenaphthylene	0.05	108	0.005	5.3	0	180	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.3	0.1	0.1	0.1	0.34	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Anthracene	0.05	108	0.009	33.45	0	2400	0.1	0.1	0.1	0.1	0.15	0.1	0.1	25	0.1	0.1	0.1	0.62	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Benz(a)anthracene	0.05	108	0.012	110	10	4.2	0.1	0.1	0.1	0.1	0.95	0.34	0.31	110	0.45	0.23	0.1	8.1	0.1	0.1	0.1	0.1	0.1	0.7	0.49
Benzo(a)pyrene	0.05	108	0.012	120	24	1.5	0.1	0.1	0.1	0.1	0.36	0.25	0.22	120	0.31	0.1	0.1	11	0.1	0.1	0.1	0.1	0.1	0.41	0.23
Benzo(b)fluoranthene	0.05	108	0.016	110	10	7.6	0.1	0.1	0.1	0.1	0.94	0.46	0.43	110	0.68	0.1	0.1	11	0.1	0.1	0.1	0.1	0.1	0.65	0.36
Benzo(ghi)perylene	0.05	108	0.01	80.459	2	64	0.05	0.05	0.05	0.05	0.05	0.05	0.05	72	0.05	0.05	0.05	5.4	0.05	0.05	0.05	0.05	0.05	0.26	0.05
Benzo(k)fluoranthene	0.05	108	0.016	100	6	12	0.1	0.1	0.1	0.1	0.27	0.23	0.21	100	0.23	0.1	0.1	7.7	0.1	0.1	0.1	0.1	0.1	0.21	0.25
Chrysene	0.05	108	0.01	101.944	9	7.7	0.05	0.05	0.05	0.05	0.81	0.36	0.36	81	0.46	0.29	0.05	6.7	0.05	0.05	0.05	0.05	0.05	0.73	0.56
Dibenz(a,h)anthracene	0.05	108	0.011	80.815	13	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	13	0.1	0.1	0.1	1.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Fluoranthene	0.05	108	0.025	286.449	0	290	0.1	0.1	0.1	0.1	2.2	0.43	0.47	180	0.84	0.52	0.1	7.8	0.1	0.1	0.1	0.1	0.1	1	0.84
Fluorene	0.05	108	0.012	10.81	0	170	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.7	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indeno(1,2,3,cd)pyrene	0.05	108	0.011	80.815	9	4.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	60	0.1	0.1	0.1	4.7	0.1	0.1	0.1	0.1	0.1	0.24	0.1
Naphthalene	0.05	108	0.01	4.407	2	2.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Phenanthrene	0.05	108	0.021	111.938	1	97	0.1	0.1	0.1	0.1	0.64	0.1	0.1	73	0.49	0.37	0.1	1.9	0.1	0.1	0.1	0.1	0.1	0.41	0.1
Pyrene	0.05	108	0.022	244.807	0	620	0.1	0.1	0.1	0.1	1.9	0.42	0.42	180	0.72	0.44	0.1	8.4	0.1	0.1	0.1	0.1	1.1	0.74	0.1
Asbestos identified	Y/N						N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N
FOC (dimensionless)	0.007137 (mean)						0.0062	0.0018	0.001	0.007	0.0033	0.001	0.001	0.047	0.002	0.0088	0.0036	0.0069	0.0033	0.001	0.0037	0.0019	0.002	0.0027	0.001
SOM (calculated)	1.23% (mean)						1.07%	0.31%	0.17%	1.21%	0.57%	0.17%	0.17%	8.10%	0.34%	1.52%	0.62%	1.19%	0.57%	0.17%	0.64%	0.33%	0.34%	0.47%	0.17%
pH (su)	7.3 (mean)						5.3	5.2	4.9	6.5	10.6	11.2	4.9	8.9	4.8	7	5.4	9.1	5.2	8.6	8.2	4.2	8.2	5.3	8.6

Risk parameter: Human health - residential with plant uptake (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated																									
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Soil Type Location & Depth GAC	Nat	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	Nat	MG	Nat	Nat	MG	MG	MG	Nat	Nat
							BH606 0.5	BH606 1.1	TP526 0.10	TP526 0.30	TP526 1.10	TP529 0.03	TP529 0.20	TP530 0.10	TP530 0.50	TP530 1.50	TP530 2.50	TP552 0.10	TP552 0.40	TP552 1.50	WS605 0.2	WS608 0.8	TP612 0.20	TP612 0.60	TP613 0.30
Arsenic	1	123	1	52	3	37	13	11	17	27	1	10	13	18	13	12	9.4	11	19	22	11	12	14	11	9.2
Beryllium	0.06	114	0.06	36	0	73	1	1.6	3	29	2.6	1.1	1	1.7	3.9	1.1	1.5	1.5	2.1	2	1.6	1.5	1.1	0.5	0.41
Boron	0.2	108	0.2	17	0	300	2.1	1.4	0.6	1.7	1.1	0.3	0.3	0.6	2.1	1	1.5	0.7	0.8	1.4	1.4	1.7	3.7	2.3	0.5
Cadmium	0.2	123	0.2	125	4	14	0.2	0.5	0.3	1.4	0.8	0.4	0.2	1.3	0.7	0.2	0.3	0.2	0.8	0.5	0.2	0.2	0.2	0.2	0.2
Chromium (III)	1	123	1.2	260	0	890	1.2	1.2	26	79	6.1	21	37	28	39	37	52	27	64	56	29	44	31	28	20
Chromium (VI)	1.2	95	1.2	65	7	6.1	43	29	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	123	1	7330	1	2500	18	39	24	55	7.5	73	22	240	35	15	19	130	34	57	39	22	28	16	7.7
Lead	2	123	2.8	3116	15	200	20	42	23	36	2.8	30	13	260	63	16	24	53	28	40	42	21	56	16	12
Mercury, inorganic	0.3	123	0.3	16	0	170	0.3	0.3	0.5	0.3	0.3	0.5	0.3	1.2	0.5	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3
Nickel	2	123	2.4	1707	6	130	19	22	25	130	8.6	17	19	62	46	28	27	22	36	43	22	29	19	15	12
Selenium	1	123	1	125	0	360	10	2.1	1	1	1	1.5	1	1.4	1	1	1.4	1	1	2.1	2.7	1	1	1	1
Vanadium	1	114	4.9	130	0	410	70	43	50	130	8.1	44	63	46	62	56	65	46	130	130	43	81	54	39	30
Zinc	2	123	12	5500	3	3900	46	79	63	230	24	69	54	390	86	63	76	100	84	130	79	59	110	38	30
Cyanide (free)	1	95	1	1	0	790	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Phenol (total)	2	95	1	1.9	0	290	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Acenaphthene	0.05	108	0.014	12.114	0	220	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.05	2.5	0.05
Acenaphthylene	0.05	108	0.005	5.3	0	180	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05
Anthracene	0.05	108	0.009	33.45	0	2400	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.17	0.15	0.1	0.1	0.1	0.37	0.05	0.05	0.25	6	0.05	
Benz(a)anthracene	0.05	108	0.012	110	10	4.2	0.16	0.05	0.1	0.1	0.1	0.1	0.1	0.72	0.39	0.1	0.1	0.1	0.1	4	0.05	0.05	1.4	12	0.05
Benzo(a)pyrene	0.05	108	0.012	120	24	1.5	0.19	0.05	0.1	0.1	0.1	0.1	0.1	0.97	0.18	0.1	0.1	0.1	0.1	3.2	0.05	0.05	1.6	11	0.05
Benzo(b)fluoranthene	0.05	108	0.016	110	10	7.6	0.2	0.05	0.1	0.1	0.1	0.1	0.1	1.1	0.34	0.1	0.1	0.1	6.1	0.05	0.05	1.8	14	0.05	
Benzo(ghi)perylene	0.05	108	0.01	80.459	2	64	0.25	0.05	0.05	0.05	0.05	0.05	0.05	0.76	0.05	0.05	0.05	0.05	2.2	0.05	0.05	1	5.4	0.05	
Benzo(k)fluoranthene	0.05	108	0.016	100	6	12	0.19	0.05	0.1	0.1	0.1	0.1	0.1	0.82	0.22	0.1	0.1	0.1	2.2	0.05	0.05	0.85	3.5	0.05	
Chrysene	0.05	108	0.01	101.944	9	7.7	0.2	0.05	0.05	0.05	0.05	0.05	0.05	0.85	0.47	0.05	0.05	0.05	2.9	0.05	0.05	1.1	9.4	0.05	
Dibenz(a,h)anthracene	0.05	108	0.011	80.815	13	1.1	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.36	0.05	0.05	0.27	1.4	0.05	
Fluoranthene	0.05	108	0.025	286.449	0	290	0.35	0.05	0.1	0.1	0.1	0.1	0.1	1.5	1.1	0.1	0.1	0.1	5.4	0.05	0.05	2.1	25	0.05	
Fluorene	0.05	108	0.012	10.81	0	170	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.05	0.05	1.9	0.05	
Indeno(1,2,3,cd)pyrene	0.05	108	0.011	80.815	9	4.3	0.21	0.05	0.1	0.1	0.1	0.1	0.1	0.58	0.1	0.1	0.1	1.8	0.05	0.05	0.86	4.7	0.05		
Naphthalene	0.05	108	0.01	4.407	2	2.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.36	0.05	
Phenanthrene	0.05	108	0.021	111.938	1	97	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.4	1.2	0.1	0.1	0.1	1.6	0.05	0.05	0.88	22	0.05	
Pyrene	0.05	108	0.022	244.807	0	620	0.29	0.05	0.1	0.1	0.1	0.1	0.1	1.1	0.9	0.1	0.1	0.1	5.1	0.05	0.05	2.1	21	0.05	
Asbestos identified	Y/N						Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
FOC (dimensionless)	0.007137	(mean)					0.0087	0.0035	0.012	0.0037	0.001	0.013	0.0021	0.022	0.0059	0.0022	0.0023	0.011	0.0021	0.0033	0.015	0.0053	0.013	0.005	0.004
SOM (calculated)	1.23%	(mean)					1.50%	0.60%	2.07%	0.64%	0.17%	2.24%	0.36%	3.79%	1.02%	0.38%	0.40%	1.90%	0.36%	0.57%	2.59%	0.91%	2.24%	0.86%	0.69%
pH (su)	7.3	(mean)					7.7	7.7	7.8	8.1	8.7	7.9	8.2	7.3	8.3	7.2	7.5	7.5	7.8	7.8	7.6	6.6	9.3	8	6.9

Risk parameter: Human health - residential with plant uptake (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated																									
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Soil Type	MG	MG	Nat	MG	Nat	Nat	Nat	Nat	Nat	MG	MG	MG	MG	Nat	Nat	Nat	MG	MG	
																									Location & Depth
Arsenic	1	123	1	52	3	37	9.2	11	12	15	23	9.1	16	19	12	22	19	12	13	20	22	15	11	43	18
Beryllium	0.06	114	0.06	36	0	73	0.78	1	1.7	1.7	14	0.55	1	1.2	0.52	2.7	1.6	1.3	0.92	1.8	4.4	1.8	1.1	1.1	1.4
Boron	0.2	108	0.2	17	0	300	2.4	2	3.3	2	2.5	1.3	1.1	0.4	2.6	0.3	0.9	0.6	0.7	0.5	1.3	1.2	0.6	17	1
Cadmium	0.2	123	0.2	125	4	14	0.2	0.5	0.2	0.5	0.5	0.2	0.2	0.2	0.2	0.5	0.2	1.6	0.2	0.2	0.2	0.2	0.2	12	0.2
Chromium (III)	1	123	1.2	260	0	890	24	32	44	32	73	1.2	1.2	1.2	1.2	1.2	30	30	27	28	58	34	39	260	54
Chromium (VI)	1.2	95	1.2	65	7	6.1	1.2	1.2	1.2	1.2	21	60	65	20	58	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	123	1	7330	1	2500	38	42	36	140	47	20	19	17	24	48	69	33	27	60	51	24	17	2400	37
Lead	2	123	2.8	3116	15	200	110	120	21	180	25	270	15	22	10	21	230	65	60	38	32	23	8.2	640	22
Mercury, inorganic	0.3	123	0.3	16	0	170	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.3	0.4	1.1	0.3	0.5	0.3	0.3	0.3	0.3	1	0.3
Nickel	2	123	2.4	1707	6	130	17	23	36	29	99	14	17	19	24	63	34	29	48	72	27	10	290	33	
Selenium	1	123	1	125	0	360	1	1	1	1	1	1	1	1	1	1	1.3	1.4	1	1	1.7	1	1	3.3	1
Vanadium	1	114	4.9	130	0	410	40	50	83	49	110	34	93	99	23	120	76	59	46	87	110	66	55	61	84
Zinc	2	123	12	5500	3	3900	97	140	62	150	140	75	37	38	30	100	140	180	5100	150	200	68	22	5500	73
Cyanide (free)	1	95	1	1	0	790	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Phenol (total)	2	95	1	1.9	0	290	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Acenaphthene	0.05	108	0.014	12.114	0	220	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.19	0.1	0.1	0.1	0.1	0.89	0.26
Acenaphthylene	0.05	108	0.005	5.3	0	180	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.63	0.2
Anthracene	0.05	108	0.009	33.45	0	2400	0.3	0.24	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.24	0.1	0.1	0.24	0.1	0.1	0.1	3.9	1.8
Benz(a)anthracene	0.05	108	0.012	110	10	4.2	1.4	1.4	0.05	0.55	0.05	0.29	0.1	0.1	0.34	0.31	1.6	0.31	0.1	0.87	0.1	0.1	0.1	12	8
Benzo(a)pyrene	0.05	108	0.012	120	24	1.5	1.6	1.6	0.05	0.56	0.05	0.24	0.1	0.1	0.25	0.22	1.4	0.31	0.1	0.86	0.1	0.1	0.1	10	3.7
Benzo(b)fluoranthene	0.05	108	0.016	110	10	7.6	2.2	1.6	0.05	0.71	0.05	0.3	0.1	0.1	0.46	0.43	1.7	0.49	0.1	0.72	0.1	0.1	0.1	13	7.6
Benzo(ghi)perylene	0.05	108	0.01	80.459	2	64	1.1	1.1	0.05	0.4	0.05	0.05	0.1	0.1	0.05	0.05	1.2	0.05	0.05	0.53	0.05	0.05	0.05	7.1	2.3
Benzo(k)fluoranthene	0.05	108	0.016	100	6	12	0.73	0.99	0.05	0.31	0.05	0.2	0.1	0.1	0.23	0.21	0.96	0.2	0.1	0.81	0.1	0.1	0.1	7.2	2.4
Chrysene	0.05	108	0.01	101.944	9	7.7	1.4	1.6	0.05	0.49	0.05	0.21	0.05	0.05	0.36	0.36	1.5	0.37	0.05	1.1	0.05	0.05	0.05	8.8	8.4
Dibenz(a,h)anthracene	0.05	108	0.011	80.815	13	1.1	0.23	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.4
Fluoranthene	0.05	108	0.025	286.449	0	290	2.8	2.7	0.05	0.94	0.05	0.44	0.1	0.1	0.43	0.47	3.6	0.67	0.1	1.6	0.1	0.1	0.1	23	14
Fluorene	0.05	108	0.012	10.81	0	170	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.2
Indeno(1,2,3,cd)pyrene	0.05	108	0.011	80.815	9	4.3	0.89	0.93	0.05	0.27	0.05	0.1	0.1	0.1	0.1	0.1	0.61	0.1	0.1	0.38	0.1	0.1	0.1	6.4	2.1
Naphthalene	0.05	108	0.01	4.407	2	2.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.45	0.05	0.05	0.18	0.05	0.05	0.05	0.47	0.05
Phenanthrene	0.05	108	0.021	111.938	1	97	1.3	1.2	0.05	0.4	0.05	0.1	0.1	0.1	0.1	0.1	1.2	0.25	0.1	1.2	0.1	0.1	0.1	9	4.1
Pyrene	0.05	108	0.022	244.807	0	620	2.4	2.4	0.05	0.82	0.05	0.4	0.1	0.1	0.42	0.42	3.1	0.57	0.1	1.2	0.1	0.1	0.1	20	13
Asbestos identified	Y/N					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y
FOC (dimensionless)	0.007137 (mean)					0.011	0.011	0.0015	0.024	0.0049	0.0047	0.001	0.001	0.001	0.001	0.001	0.026	0.0064	0.001	0.022	0.0013	0.0029	0.001	0.023	0.0029
SOM (calculated)	1.23% (mean)					1.90%	1.90%	0.26%	4.14%	0.84%	0.81%	0.17%	0.17%	0.17%	0.17%	0.17%	4.48%	1.10%	0.17%	3.79%	0.22%	0.50%	0.17%	3.97%	0.50%
pH (su)	7.3 (mean)					8.3	7.9	8	7.8	8	9.1	7.2	7.4	11.2	4.9	7.1	7.7	7.6	6.4	5	5.7	4.9	8.4	7	

Risk parameter: Human health - residential with plant uptake (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated																			
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Soil Type Location & Depth GAC	Nat	MG	MG	MG	MG	MG	MG	MG	MG	Nat	MG	Nat	Nat
							BH538A 2.00	RES-HD3 0.3m	RES-HD1 0.3m	RES-HD2 0.2m	RES-HD4 0.3m	WS607 0.30	TP611 0.10	TP611 0.60	TP616 0.20	TP616 0.40	WS610 0.15	WS610 0.80	WS610 2.50
Arsenic	1	123	1	52	3	37	11	3	4	1	1	16	12	11	15	5.9	7.1	21	19
Beryllium	0.06	114	0.06	36	0	73	1.1	1	2	8	7	1.6	0.75	1.4	0.93	0.84	0.68	3.9	10
Boron	0.2	108	0.2	17	0	300	1.1	1	1	1	1	1.5	2.2	1.8	1.5	0.7	0.8	0.8	0.6
Cadmium	0.2	123	0.2	125	4	14	0.2	1	1	3	2	0.2	2.1	0.3	0.7	0.2	0.3	0.2	16
Chromium (III)	1	123	1.2	260	0	890	45	25	44	50	45	52	41	26	59	40	25	54	35
Chromium (VI)	1.2	95	1.2	65	7	6.1	1.2					1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	123	1	7330	1	2500	21	1	11	37	18	35	55	45	81	12	19	38	85
Lead	2	123	2.8	3116	15	200	12	16	52	32	33	26	76	52	120	11	27	15	30
Mercury, inorganic	0.3	123	0.3	16	0	170	0.3	1	1	1	1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Nickel	2	123	2.4	1707	6	130	15	8	29	104	75	28	20	32	21	6.7	18	57	460
Selenium	1	123	1	125	0	360	1	3	3	3	3	1	2.5	1	1	1	1	1	12
Vanadium	1	114	4.9	130	0	410	56	39	75	84	81	91	46	67	45	60	34	84	96
Zinc	2	123	12	5500	3	3900	29	34	80	194	164	71	120	68	190	12	50	180	340
Cyanide (free)	1	95	1	1	0	790	1					1	1	1	1	1	1	1	1
Phenol (total)	2	95	1	1.9	0	290	1					1	1	1	1	1	1	1	1
Acenaphthene	0.05	108	0.014	12.114	0	220	0.1					0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Acenaphthylene	0.05	108	0.005	5.3	0	180	0.1					0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Anthracene	0.05	108	0.009	33.45	0	2400	0.1					0.05	0.61	0.26	0.05	0.05	0.05	0.05	0.05
Benz(a)anthracene	0.05	108	0.012	110	10	4.2	0.1					0.05	2.2	1.2	0.36	0.05	0.05	0.05	0.05
Benzo(a)pyrene	0.05	108	0.012	120	24	1.5	0.1					0.05	2.2	1.2	0.39	0.05	0.05	0.05	0.05
Benzo(b)fluoranthene	0.05	108	0.016	110	10	7.6	0.1					0.05	2.8	1.5	0.55	0.05	0.05	0.05	0.05
Benzo(ghi)perylene	0.05	108	0.01	80.459	2	64	0.05					0.05	1.2	0.68	0.27	0.05	0.05	0.05	0.05
Benzo(k)fluoranthene	0.05	108	0.016	100	6	12	0.1					0.05	0.95	0.65	0.23	0.05	0.05	0.05	0.05
Chrysene	0.05	108	0.01	101.944	9	7.7	0.05					0.05	2	1.2	0.38	0.05	0.05	0.05	0.05
Dibenz(a,h)anthracene	0.05	108	0.011	80.815	13	1.1	0.1					0.05	0.3	0.21	0.05	0.05	0.05	0.05	0.05
Fluoranthene	0.05	108	0.025	286.449	0	290	0.1					0.05	4.3	2	0.63	0.05	0.05	0.05	0.05
Fluorene	0.05	108	0.012	10.81	0	170	0.1					0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Indeno(1,2,3,cd)pyrene	0.05	108	0.011	80.815	9	4.3	0.1					0.05	1	0.57	0.23	0.05	0.05	0.05	0.05
Naphthalene	0.05	108	0.01	4.407	2	2.2	0.05					0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Phenanthrene	0.05	108	0.021	111.938	1	97	0.1					0.05	2.2	0.77	0.28	0.05	0.05	0.05	0.05
Pyrene	0.05	108	0.022	244.807	0	620	0.1					0.05	3.8	1.8	0.56	0.05	0.05	0.05	0.05
Asbestos identified	Y/N						N					N	N	N	N	N	N	N	N
FOC (dimensionless)	0.007137	(mean)					0.014					0.0041	0.033	0.013	0.049	0.001	0.016	0.0042	0.001
SOM (calculated)	1.23%	(mean)					2.41%					0.71%	5.69%	2.24%	8.45%	0.17%	2.76%	0.72%	0.17%
pH (su)	7.3	(mean)					7	4.04	7.82	6.53	8.04	7.2	7	7.8	7.1	7.7	7.8	7.6	7.5

Risk parameter: Human health - residential with plant uptake (1%SOM)

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life

All values in mg/kg unless otherwise stated							Soil Type																							
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth		Nat		MG		Nat		MG		Nat		MG											
							2H1	2H1	2H3	2H3	1R4	2S2	2S2	3S1	3S2	S-WS1	S-WS1	S-WS1	S-WS1	S-WS2	S-WS2									
							0.6	0.7	1.5	1.8	0.45	0.6	2.0	2.6	0.2	0.6	0.5	0.8	1.6	1.9	1.3	1.5	5.0	5.4	0.15m	0.7m	1.6-1.7m	3.6-3.8m	0.1m	0.6m
Arsenic	1	123	1	52	0	250	5	16	16	12	11	8	10	17	3	10	8	7	1	9	6									
Boron	0.2	108	0.2	17	9	3	1	1	1	1	1	1	1	1	1															
Chromium (III)	1	123	1.2	260	0	400	107	54	47	38	20	28	40	45	38	34	58	59	45	130	36									
Chromium (VI)	1.2	95	1.2	65	5	25																								
Copper	1	123	1	7330	10	135	23	44	12	4	2	5	17	9	16	49	3	4	17	619	24									
Nickel	2	123	2.4	1707	12	75	15	12	9	9	3	8	34	10	102	30	19	15	52	1707	17									
Zinc	2	123	12	5500	12	300	41	65	48	35	22	26	94	35	74	454	59	46	119	631	77									
	Mean																7.53	6.08	4.67	5.19	7.86	5.99								
pH (su)	7.3																													

Risk parameter: Plant life pH 7

Data set: MG & Natural Soils

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s).: Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).
 MG denotes Made Ground
 NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	Nat	MG	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	MG	MG			
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth		S-WS2	S-WS4	S-WS5	S-WS5	S-WS6	S-WS6	S-WS7	S-WS7	S-WS7	BH515	BH515	BH505	BH505	BH501	BH502	BH502	BH530	BH530	BH503
							1.8-1.9m	0.3m	0.30m	2.60-2.70m	0.30m	1.30-1.40m	0.30m	1.30-1.40m	3.50-3.60m	0.30	0.50	0.20	0.60	0.20	0.40	0.60	0.20	0.40	0.60	0.20	0.40
Arsenic	1	123	1	52	0	250		12	6	50	10	52	10	17	10	4	7.6	9.6	11	9.9	15	19	10	28	28	7.4	
Boron	0.2	108	0.2	17	9	3											1.3	1.9	0.6	0.8	1.4	3.7	0.6	1	1.1	0.9	
Chromium (III)	1	123	1.2	260	0	400		77	53	95	55	186	54	34	56	44	21	33	44	36	43	35	37	30	28	17	
Chromium (VI)	1.2	95	1.2	65	5	25											1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	123	1	7330	10	135		1	149	2312	37	7330	80	170	10	32	19	16	32	19	38	50	14	82	61	11	
Nickel	2	123	2.4	1707	12	75		21	43	81	45	556	24	54	31	87	15	21	30	23	23	30	20	53	54	32	
Zinc	2	123	12	5500	12	300		61	302	2120	122	4251	107	379	80	158	170	48	140	39	120	100	35	68	89	29	
	Mean																										
pH (su)	7.3							5.23	7.83	8.11	7.62	7.6	5.61	9.25	4.94	4.94	10.1	8.3	6.9	5.1	7.6	9	7.1	10	8.7	9.2	
<p>Risk parameter: Plant life pH 7 Data set: MG & Natural Soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s): Multiple</p>																											

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	Nat	MG	MG	MG	Nat	MG	Nat	Nat	MG		
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Location & Depth	GAC	TP505	TP546	TP546	TP548	TP548	TP508	TP508	TP509	TP509	TP521	TP521	TP522	TP522	TP543	TP543	TP510	TP510	TP510	TP539
								0.50	0.30	0.80	0.20	1.00	0.40	0.50	0.10	0.70	0.30	0.80	0.40	1.00	0.20	0.40	0.10	0.40	1.00	0.40
Arsenic	1	123	1	52	0	250	14	8.7	20	13	10	24	9.6	9.6	19	11	14	17	19	11	1	12	17	14	8.2	
Boron	0.2	108	0.2	17	9	3	0.2	0.2	1.3	0.2	1.2	2.5	3.1	3.1	0.9	3.3	0.5	1.1	2.8	1	0.4	1.2	2.2	1	3	
Chromium (III)	1	123	1.2	260	0	400	34	20	62	27	29	56	41	25	68	22	51	45	61	32	3.7	29	56	54	21	
Chromium (VI)	1.2	95	1.2	65	5	25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	123	1	7330	10	135	30	19	28	16	14	120	15	20	26	54	21	400	27	39	7.4	28	18	20	38	
Nickel	2	123	2.4	1707	12	75	19	14	19	16	7.2	57	20	17	24	27	21	51	31	18	2.4	21	17	14	17	
Zinc	2	123	12	5500	12	300	84	47	36	41	16	100	46	61	53	150	47	450	58	150	20	120	33	31	120	
	Mean																									
pH (su)	7.3						7.4	8.2	4.9	5.9	5.1	9.7	8.3	10.2	7.9	8.9	5.2	9.2	7.8	8.3	8.3	8	7	4.7	9.8	

Risk parameter: Plant life pH 7
Data set: MG & Natural Soils
Client: Merseyside Pension Fund
Site: Fort Halstead
Job no.: C-10730
Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	MG	MG	MG	Nat	MG	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat		
							Location & Depth	TP539	TP539	TP540	TP540	TP549	TP550	TP550	TP555	TP555	TP534	TP534	TP535	TP535	TP535	TP536	TP536	TP537	TP537	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																				
Arsenic	1	123	1	52	0	250	8.1	21	16	9.5	7.9	12	22	16	19	9.1	13	11	21	1	14	11	8.4	16	2.2	
Boron	0.2	108	0.2	17	9	3	1.1	1.5	1.3	1	4.5	2.6	0.3	2.7	1.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Chromium (III)	1	123	1.2	260	0	400	21	70	50	27	26	20	58	100	54	23	47	17	56	1.9	26	47	19	47	16	
Chromium (VI)	1.2	95	1.2	65	5	25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	123	1	7330	10	135	11	28	26	12	20	24	48	1100	32	17	33	68	34	5	62	16	18	24	13	
Nickel	2	123	2.4	1707	12	75	12	32	19	17	15	24	63	150	41	18	43	42	45	41	52	19	23	40	60	
Zinc	2	123	12	5500	12	300	39	65	47	49	110	30	100	1100	84	68	91	73	73	70	64	44	34	58	130	
	Mean																									
pH (su)	7.3						5.3	5.2	4.9	6.5	10.6	11.2	4.9	8.9	4.8	7	5.4	9.1	5.2	8.6	8.2	4.2	8.2	5.3	8.6	
<p>Risk parameter: Plant life pH 7 Data set: MG & Natural Soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s): Multiple</p>																										

Assessment of Chemicals of Potential Concern to Plant Life

All values in mg/kg unless otherwise stated							Soil Type	Nat	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	Nat	MG	Nat	Nat	MG	MG	MG	Nat	Nat
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth	BH606	BH606	TP526	TP526	TP526	TP529	TP529	TP530	TP530	TP530	TP530	TP552	TP552	TP552	WS605	WS608	TP612	TP612	TP613
								0.5	1.1	0.10	0.30	1.10	0.03	0.20	0.10	0.50	1.50	2.50	0.10	0.40	1.50	0.2	0.8	0.20	0.60	0.30
Arsenic	1	123	1	52	0	250		13	11	17	27	1	10	13	18	13	12	9.4	11	19	22	11	12	14	11	9.2
Boron	0.2	108	0.2	17	9	3		2.1	1.4	0.6	1.7	1.1	0.3	0.3	0.6	2.1	1	1.5	0.7	0.8	1.4	1.4	1.7	3.7	2.3	0.5
Chromium (III)	1	123	1.2	260	0	400		1.2	1.2	26	79	6.1	21	37	28	39	37	52	27	64	56	29	44	31	28	20
Chromium (VI)	1.2	95	1.2	65	5	25		43	29	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Copper	1	123	1	7330	10	135		18	39	24	55	7.5	73	22	240	35	15	19	130	34	57	39	22	28	16	7.7
Nickel	2	123	2.4	1707	12	75		19	22	25	130	8.6	17	19	62	46	28	27	22	36	43	22	29	19	15	12
Zinc	2	123	12	5500	12	300		46	79	63	230	24	69	54	390	86	63	76	100	84	130	79	59	110	38	30
	Mean																									
pH (su)	7.3							7.7	7.7	7.8	8.1	8.7	7.9	8.2	7.3	8.3	7.2	7.5	7.5	7.8	7.8	7.6	6.6	9.3	8	6.9

Risk parameter: Plant life pH 7
Data set: MG & Natural Soils
Client: Merseyside Pension Fund
Site: Fort Halstead
Job no.: C-10730
Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	MG	MG	Nat	MG	Nat	Nat	Nat	Nat	Nat	MG	MG	MG	MG	Nat	Nat	Nat	MG	MG	
							Location & Depth	TP614	BH605	BH605	TP607	TP607	TP542	TP542	TP542	TP550	TP550	BH509	BH509	BH509	BH512	BH512	TP512	TP512	BH538A	BH538A
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.20	0.20	1.00	0.20	0.80	0.3	0.8	2	0.3	0.6	0.20	0.40	0.70	0.10	0.40	0.30	1.00	0.20	0.80	
Arsenic	1	123	1	52	0	250	9.2	11	12	15	23	9.1	16	19	12	22	19	12	13	20	22	15	11	43	18	
Boron	0.2	108	0.2	17	9	3	2.4	2	3.3	2	2.5	1.3	1.1	0.4	2.6	0.3	0.9	0.6	0.7	0.5	1.3	1.2	0.6	17	1	
Chromium (III)	1	123	1.2	260	0	400	24	32	44	32	73	1.2	1.2	1.2	1.2	1.2	30	30	27	28	58	34	39	260	54	
Chromium (VI)	1.2	95	1.2	65	5	25	1.2	1.2	1.2	1.2	21	60	65	20	58	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	123	1	7330	10	135	38	42	36	140	47	20	19	17	24	48	69	33	27	60	51	24	17	2400	37	
Nickel	2	123	2.4	1707	12	75	17	23	36	29	99	14	17	19	24	63	34	29	29	48	72	27	10	290	33	
Zinc	2	123	12	5500	12	300	97	140	62	150	140	75	37	38	30	100	140	180	5100	150	200	68	22	5500	73	
	Mean																									
pH (su)	7.3						8.3	7.9	8	7.8	8	9.1	7.2	7.4	11.2	4.9	7.1	7.7	7.6	6.4	5	5.7	4.9	8.4	7	

Risk parameter: Plant life pH 7
Data set: MG & Natural Soils
Client: Merseyside Pension Fund
Site: Fort Halstead
Job no.: C-10730
Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life

All values in mg/kg unless otherwise stated							Soil Type	Nat	MG	MG	MG	MG	MG	MG	MG	MG	Nat	MG	Nat	Nat
							Location & Depth	BH538A	RES-HD3	RES-HD1	RES-HD2	RES-HD4	WS607	TP611	TP611	TP616	TP616	WS610	WS610	WS610
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	2.00	0.3m	0.3m	0.2m	0.3m	0.30	0.10	0.60	0.20	0.40	0.15	0.80	2.50	
Arsenic	1	123	1	52	0	250	11	3	4	1	1	16	12	11	15	5.9	7.1	21	19	
Boron	0.2	108	0.2	17	9	3	1.1	1	1	1	1	1.5	2.2	1.8	1.5	0.7	0.8	0.8	0.6	
Chromium (III)	1	123	1.2	260	0	400	45	25	44	50	45	52	41	26	59	40	25	54	35	
Chromium (VI)	1.2	95	1.2	65	5	25	1.2					1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	123	1	7330	10	135	21	1	11	37	18	35	55	45	81	12	19	38	85	
Nickel	2	123	2.4	1707	12	75	15	8	29	104	75	28	20	32	21	6.7	18	57	460	
Zinc	2	123	12	5500	12	300	29	34	80	194	164	71	120	68	190	12	50	180	340	
	Mean																			
pH (su)	7.3						7	4.04	7.82	6.53	8.04	7.2	7	7.8	7.1	7.7	7.8	7.6	7.5	
<p>Risk parameter: Plant life pH 7 Data set: MG & Natural Soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s): Multiple</p>																				

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated							Soil Type																			
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	MG		Nat		Nat		MG		MG		Nat		MG		Nat					
							S-WS1 0.15m	S-WS1 0.7m	S-WS1 1.6-1.7m	S-WS1 3.6-3.8m	S-WS2 0.1m	S-WS2 0.6m	S-WS2 1.8-1.9m	S-WS4 0.3m	S-WS4 0.30m	S-WS5 2.60-2.70m	S-WS6 0.30m	S-WS6 1.30-1.40m	S-WS7 0.30m	S-WS7 1.30-1.40m	S-WS7 1.30-1.40m	S-WS7 3.50-3.60m				
Aliphatics EC5-EC6	0.01	68	0.001	0.1	0	42																				
Aliphatics >EC6-EC8	0.01	68	0.001	0.1	0	100																				
Aliphatics >EC8-EC10	0.01	68	0.001	0.1	0	27																				
Aliphatics >EC10-EC12	0.01	68	1	8.5	0	48																				
Aliphatics >EC12-EC16	0.1	83	0.523	154.819	9	24	85.352	0.523	0.542	0.674	66.024	5.239	0.553	154.819	44.216	0.568	90.543	18.216	28.796	2.284	5.871					
Aliphatics >EC16-EC35	0.1	65	0.152	1500	0	65000	451.443	0.476	0.152	0.472	251.763	3.96	0.804	994.599	94.97	0.165	523.64	6.127	481.157	2.819	4.483					
Aliphatics >EC35-EC44	0.1	68	8.4	690	0	65000																				
Aromatics EC5-EC7	0.01	68	0.001	0.1	0	73																				
Aromatics >EC7-EC8	0.01	68	0.001	0.1	0	130																				
Aromatics >EC8-EC10	0.01	68	0.001	0.1	0	35																				
Aromatics >EC10-EC12	0.01	68	1	3.3	0	75																				
Aromatics >EC12-EC16	0.1	83	0.161	94	0	150	3.068	0.488	0.222	0.267	1.974	1.568	1.034	9.118	4.115	0.161	18.231	4.719	3.22	1.337	2.431					
Aromatics >EC16-EC21	0.1	82	0.1	970	3	260	42.2	1.601	0.209	0.1	76.295	2.727	0.688	266.546	17.181	0.227	113.086	18.179	16.506	1.643	0.425					
Aromatics >EC21-EC35	0.1	82	0.1	3100	5	1100	1742.245	1.96	1.38	0.295	1748.784	80.069	1.842	2116.836	700.805	0.1	1347.933	68.937	197.007	0.359	1.167					
Aromatics >EC35-EC44	0.1	67	8.4	1700	1	1100																				
ADDITIVITY CHECK							HAZARD QUOTIENTS FOR EACH FRACTION																			
Aliphatics EC5-EC6																										
Aliphatics >EC6-EC8																										
Aliphatics >EC8-EC10																										
Considered additive Aliphatics >EC10-EC12																										
Aliphatics >EC12-EC16							3.556	0.022	0.023	0.028	2.751	0.218	0.023	6.451	1.842	0.024	3.773	0.759	1.200	0.095	0.245					
Aliphatics >EC16-EC35							0.007	0.000	0.000	0.000	0.004	0.000	0.000	0.015	0.001	0.000	0.008	0.000	0.007	0.000	0.000					
Aliphatics >EC35-EC44																										
Aromatics EC5-EC7																										
Aromatics >EC7-EC8																										
Considered additive Aromatics >EC8-EC10																										
Aromatics >EC10-EC12																										
Aromatics >EC12-EC16							0.020	0.003	0.001	0.002	0.013	0.010	0.007	0.061	0.027	0.001	0.122	0.031	0.021	0.009	0.016					
Considered additive Aromatics >EC16-EC21							0.162	0.006	0.001	0.000	0.293	0.010	0.003	1.025	0.066	0.001	0.435	0.070	0.063	0.006	0.002					
Considered additive Aromatics >EC21-EC35							1.584	0.002	0.001	0.000	1.590	0.073	0.002	1.924	0.637	0.000	1.225	0.063	0.179	0.000	0.001					
Aromatics >EC35-EC44																										
Hazard Index for ali>C8-C16																										
Hazard Index for aro>C8-C16																										
Hazard Index for aro>C16-C35							1.746	0.008	0.002	0.001	1.883	0.083	0.004	2.950	0.703	0.001	1.660	0.133	0.243	0.007	0.003					
Risk parameter: Human health - residential with plant uptake (1%SOM)							Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.																			
Data set: MG & Natural Soils							Legend: Main table values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.																			
Client: Merseyside Pension Fund							Main table values in red are equal to, or greater than, the generic assessment criterion (GAC).																			
Site: Fort Halstead							MG denotes Made Ground																			
Job no.: C-10730							NAT denotes natural ground																			
Lab. report no(s).: Multiple																										

Assessment of Chemicals of Potential Concern to Human Health



Soil Type							MG	MG	MG	Nat	Nat	Nat	MG	MG	MG	MG	Nat	MG	Nat	MG	Nat	MG	MG	MG	
Location & Depth							BH516	BH516	BH505	BH505	BH502	BH502	BH530	BH530	BH503	TP505	TP546	TP546	TP508	TP508	TP521	TP521	TP522	TP522	TP539
All values in mg/kg unless otherwise stated							0.10	0.40	0.20	0.60	0.40	0.60	0.20	0.40	0.40	0.50	0.30	0.80	0.40	0.50	0.30	0.80	0.40	1.00	0.40
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																			
Aliphatics EC5-EC6	0.01	68	0.001	0.1	0	42	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aliphatics >EC6-EC8	0.01	68	0.001	0.1	0	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aliphatics >EC8-EC10	0.01	68	0.001	0.1	0	27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aliphatics >EC10-EC12	0.01	68	1	8.5	0	48	1	1	1	1	1	1	1	1	1	1	1	1	8.5	2.3	1.4	1.8			
Aliphatics >EC12-EC16	0.1	83	0.523	154.819	9	24	2	2	2	2	2	2	2	2	2	2	2	2	26	24	9.3	8.7			
Aliphatics >EC16-EC35	0.1	65	0.152	1500	0	65000	10	10	10	10	43	10	11	33	10	18	10	10	10	80	10	11			
Aliphatics >EC35-EC44	0.1	68	8.4	690	0	65000	8.4	8.4	8.4	8.4	12	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	16	8.4	8.4			
Aromatics EC5-EC7	0.01	68	0.001	0.1	0	73	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aromatics >EC7-EC8	0.01	68	0.001	0.1	0	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aromatics >EC8-EC10	0.01	68	0.001	0.1	0	35	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
Aromatics >EC10-EC12	0.01	68	1	3.3	0	75	1	1	1	1	1	1.3	1	1	1	1	1.3	1	1	1	1	1			
Aromatics >EC12-EC16	0.1	83	0.161	94	0	150	2	2	2	2	5.9	2	12	2	3.1	4.5	2	2	9.7	2	30	2			
Aromatics >EC16-EC21	0.1	82	0.1	970	3	260	10	10	10	10	31	10	70	10	10	28	10	10	41	10	290	10			
Aromatics >EC21-EC35	0.1	82	0.1	3100	5	1100	10	11	10	10	110	10	160	14	30	44	10	10	120	10	680	10			
Aromatics >EC35-EC44	0.1	67	8.4	1700	1	1100	8.4	8.4	8.4	8.4	22	8.4	23	8.4	8.4	22	8.4	8.4	52	8.4	120	8.4			
ADDITIVITY CHECK																									
Aliphatics EC5-EC6			0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002			
Aliphatics >EC6-EC8			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001			
Aliphatics >EC8-EC10			0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004			
Considered additive Aliphatics >EC10-EC12			0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.177	0.048	0.029	0.038			
Aliphatics >EC12-EC16			0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	1.083	1.000	0.388	0.363			
Aliphatics >EC16-EC35			0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Aliphatics >EC35-EC44			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Aromatics EC5-EC7			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001			
Aromatics >EC7-EC8			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001			
Considered additive Aromatics >EC8-EC10			0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003			
Considered additive Aromatics >EC10-EC12			0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.017	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.017	0.013	0.013	0.013			
Considered additive Aromatics >EC12-EC16			0.013	0.013	0.013	0.013	0.013	0.039	0.013	0.080	0.013	0.021	0.030	0.013	0.013	0.065	0.013	0.200	0.013	0.013	0.013	0.013			
Considered additive Aromatics >EC16-EC21			0.038	0.038	0.038	0.038	0.119	0.038	0.269	0.038	0.038	0.108	0.038	0.038	0.108	0.038	0.158	0.038	1.115	0.038	0.085	0.038			
Considered additive Aromatics >EC21-EC35			0.009	0.010	0.009	0.009	0.100	0.009	0.145	0.013	0.027	0.040	0.009	0.009	0.109	0.009	0.618	0.009	0.086	0.009	0.009	0.009			
Aromatics >EC35-EC44			0.008	0.008	0.008	0.008	0.020	0.008	0.021	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.047	0.008	0.109	0.008	0.036	0.008			
Hazard Index for ali>C8-C16			0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	1.264	1.052	0.420	0.404	0.108			
Hazard Index for aro>C8-C16			0.030	0.030	0.030	0.030	0.056	0.030	0.100	0.030	0.037	0.046	0.030	0.030	0.030	0.085	0.030	0.216	0.030	0.030	0.030	0.030			
Hazard Index for aro>C16-C35			0.048	0.048	0.048	0.048	0.219	0.048	0.415	0.051	0.066	0.148	0.048	0.048	0.267	0.048	1.734	0.048	0.171	0.048	0.048	0.048			
Risk parameter: Human health - residential with plant uptake (1%SOM)																									
Data set: MG & Natural Soils																									
Client: Merseyside Pension Fund																									
Site: Fort Halstead																									
Job no.: C-10730																									
Lab. report no(s): Multiple																									

Assessment of Chemicals of Potential Concern to Human Health



Soil Type							MG	MG	MG	Nat	MG	MG	Nat	MG	Nat	MG	Nat	MG	Nat	Nat	Nat	MG	Nat	MG	MG
All values in mg/kg unless otherwise stated Location & Depth							TP539	TP539	TP540	TP540	TP549	TP550	TP550	TP555	TP555	TP535	TP535	TP536	TP536	BH606	BH606	TP526	TP526	TP530	TP530
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.90	2.00	0.30	0.90	0.40	0.30	0.60	0.40	1.20	0.20	0.50	0.20	0.40	0.5	1.1	0.10	0.30	0.10	0.50
Aliphatics EC5-EC6	0.01	68	0.001	0.1	0	42	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.1	0.1	0.1	0.1	
Aliphatics >EC6-EC8	0.01	68	0.001	0.1	0	100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.1	0.1	0.1	0.1	
Aliphatics >EC8-EC10	0.01	68	0.001	0.1	0	27	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.1	0.1	0.1	0.1	
Aliphatics >EC10-EC12	0.01	68	1	8.5	0	48	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Aliphatics >EC12-EC16	0.1	83	0.523	154.819	9	24	2	2	2	2	2	2	14	2	3.3	2	2	2	2	2	2	2	2	2	
Aliphatics >EC16-EC35	0.1	65	0.152	1500	0	65000	10	10	10	12	70	10	10	920	10	57	10	10	10	27	16	10	10	52	10
Aliphatics >EC35-EC44	0.1	68	8.4	690	0	65000	8.4	8.4	8.4	8.4	37	8.4	8.4	690	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	27	8.4
Aromatics EC5-EC7	0.01	68	0.001	0.1	0	73	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.1	0.1	0.1	0.1	
Aromatics >EC7-EC8	0.01	68	0.001	0.1	0	130	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.1	0.1	0.1	0.1	
Aromatics >EC8-EC10	0.01	68	0.001	0.1	0	35	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.001	0.1	0.1	0.1	0.1	
Aromatics >EC10-EC12	0.01	68	1	3.3	0	75	1	1	1	1	1	1	3.3	1	2	1	1	1	1	1	1	1	1	1	
Aromatics >EC12-EC16	0.1	83	0.161	94	0	150	2	2	2	2	3.1	2	2	94	2	8.4	2	2	2	2	2	2	2	2	
Aromatics >EC16-EC21	0.1	82	0.1	970	3	260	10	10	10	10	22	10	10	970	10	110	10	10	10	10	10	10	10	10	
Aromatics >EC21-EC35	0.1	82	0.1	3100	5	1100	10	10	10	10	88	10	10	3100	10	610	10	10	10	12	10	10	10	54	10
Aromatics >EC35-EC44	0.1	67	8.4	1700	1	1100	8.4	8.4	8.4	8.4	70	8.4	8.4	1700	8.4	110	8.4	8.4	8.4	8.4	8.4	8.4	8.4	59	8.4
ADDITIVITY CHECK																									
Aliphatics EC5-EC6			0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.000	0.000	0.002	0.002	0.002	0.002	
Aliphatics >EC6-EC8			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.001	0.001	0.001	0.001	
Aliphatics >EC8-EC10			0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.000	0.000	0.004	0.004	0.004	0.004	
Aliphatics >EC10-EC12	Considered additive		0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	
Aliphatics >EC12-EC16			0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.583	0.083	0.138	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	
Aliphatics >EC16-EC35			0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.014	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
Aliphatics >EC35-EC44			0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics EC5-EC7			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.001	0.001	0.001	0.001	
Aromatics >EC7-EC8			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.001	0.001	0.001	0.001	
Aromatics >EC8-EC10	Considered additive		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.000	0.000	0.003	0.003	0.003	0.003	
Aromatics >EC10-EC12			0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.044	0.013	0.027	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	
Aromatics >EC12-EC16			0.013	0.013	0.013	0.013	0.013	0.021	0.013	0.013	0.013	0.627	0.013	0.056	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	
Aromatics >EC16-EC21	Considered additive		0.038	0.038	0.038	0.038	0.038	0.085	0.038	0.038	3.731	0.038	0.423	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	
Aromatics >EC21-EC35			0.009	0.009	0.009	0.009	0.009	0.080	0.009	0.009	2.818	0.009	0.555	0.009	0.009	0.009	0.009	0.009	0.011	0.009	0.009	0.009	0.049	0.009	
Aromatics >EC35-EC44			0.008	0.008	0.008	0.008	0.008	0.064	0.008	0.008	1.545	0.008	0.100	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.054	0.008	
Hazard Index for ali>C8-C16			0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.608	0.108	0.162	0.108	0.108	0.108	0.108	0.108	0.104	0.104	0.108	0.108	0.108	0.108	
Hazard Index for aro>C8-C16			0.030	0.030	0.030	0.030	0.037	0.030	0.030	0.030	0.674	0.030	0.086	0.030	0.030	0.030	0.030	0.030	0.027	0.027	0.030	0.030	0.030	0.030	
Hazard Index for aro>C16-C35			0.048	0.048	0.048	0.048	0.165	0.048	0.048	0.048	6.549	0.048	0.978	0.048	0.048	0.048	0.048	0.048	0.049	0.048	0.048	0.048	0.088	0.048	
<p>Risk parameter: Human health - residential with plant uptake (1%SOM) Data set: MG & Natural Soils Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s): Multiple</p>																									

Assessment of Chemicals of Potential Concern to Human Health



Soil Type							MG	MG	MG	MG	Nat	Nat	MG	MG	Nat	MG	Nat	Nat	Nat	Nat	MG	MG	MG	MG			
All values in mg/kg unless otherwise stated Location & Depth							WS605	WS608	WS608	TP612	TP612	TP613	TP614	BH605	BH605	TP607	TP607	TP542	TP542	TP550	TP550	BH509	BH509	BH509	BH512		
							0.2	0.3	0.8	0.20	0.60	0.30	0.20	0.20	1.00	0.20	0.80	0.3	0.8	0.3	0.6	0.20	0.40	0.70	0.10		
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																					
Aliphatics EC5-EC6	0.01	68	0.001	0.1	0	42	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aliphatics >EC6-EC8	0.01	68	0.001	0.1	0	100	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aliphatics >EC8-EC10	0.01	68	0.001	0.1	0	27	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aliphatics >EC10-EC12	0.01	68	1	8.5	0	48	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Aliphatics >EC12-EC16	0.1	83	0.523	154.819	9	24	3.5	2	2	2	7.3	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Aliphatics >EC16-EC35	0.1	65	0.152	1500	0	65000											10	10	10	10	43	10	57	10			
Aliphatics >EC35-EC44	0.1	68	8.4	690	0	65000	8.4	8.4	8.4	25	8.4	8.4	12	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	64	8.4		
Aromatics EC5-EC7	0.01	68	0.001	0.1	0	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aromatics >EC7-EC8	0.01	68	0.001	0.1	0	130	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aromatics >EC8-EC10	0.01	68	0.001	0.1	0	35	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Aromatics >EC10-EC12	0.01	68	1	3.3	0	75	1	1	1	3.2	1.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1.9		
Aromatics >EC12-EC16	0.1	83	0.161	94	0	150	2.5	2	2	6.9	31	2	2	2	2	2	2	2	2	2	2	2	2	2	8.2		
Aromatics >EC16-EC21	0.1	82	0.1	970	3	260	10	10	10	26	200	10	12	12	10	10	10	11	10	10	10	10	10	10	21		
Aromatics >EC21-EC35	0.1	82	0.1	3100	5	1100	12	10	10	82	220	10	54	27	10	13	10	34	10	10	10	30	10	110	64		
Aromatics >EC35-EC44	0.1	67	8.4	1700	1	1100	8.4	8.4	8.4	35	27	8.4	21	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	120	14		
ADDITIVITY CHECK																											
Aliphatics EC5-EC6			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	
Aliphatics >EC6-EC8			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Aliphatics >EC8-EC10			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	
Considered additive Aliphatics >EC10-EC12			0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	
Aliphatics >EC12-EC16			0.146	0.083	0.083	0.083	0.083	0.304	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.154	0.083	0.083	0.083	0.083		
Aliphatics >EC16-EC35																	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.000		
Aliphatics >EC35-EC44			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000		
Aromatics EC5-EC7			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
Aromatics >EC7-EC8			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
Aromatics >EC8-EC10			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003		
Considered additive Aromatics >EC10-EC12			0.013	0.013	0.013	0.043	0.023	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.025		
Aromatics >EC12-EC16			0.017	0.013	0.013	0.046	0.207	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.055		
Aromatics >EC16-EC21			0.038	0.038	0.038	0.100	0.769	0.038	0.046	0.046	0.038	0.046	0.046	0.038	0.038	0.038	0.042	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.081		
Considered additive Aromatics >EC21-EC35			0.011	0.009	0.009	0.075	0.200	0.009	0.049	0.025	0.009	0.049	0.025	0.009	0.012	0.009	0.031	0.009	0.009	0.009	0.009	0.009	0.027	0.009	0.058		
Aromatics >EC35-EC44			0.008	0.008	0.008	0.032	0.025	0.008	0.019	0.008	0.019	0.008	0.008	0.008	0.008	0.008	0.019	0.008	0.008	0.008	0.008	0.008	0.008	0.109	0.013		
Hazard Index for ali>C8-C16			0.167	0.104	0.104	0.104	0.325	0.104	0.325	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.108	0.108	0.108	0.108	0.179	0.108	0.108	0.108	0.108		
Hazard Index for aro>C8-C16			0.030	0.027	0.027	0.089	0.229	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.083		
Hazard Index for aro>C16-C35			0.049	0.048	0.048	0.175	0.969	0.048	0.095	0.071	0.048	0.095	0.071	0.048	0.050	0.048	0.073	0.048	0.048	0.048	0.048	0.066	0.048	0.138	0.139		
Risk parameter: Human health - residential with plant uptake (1%SOM)																											
Data set: MG & Natural Soils																											
Client: Merseyside Pension Fund																											
Site: Fort Halstead																											
Job no.: C-10730																											
Lab. report no(s): Multiple																											

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated							Soil Type											
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth			MG			MG			MG		
							Nat	BH512	BH538A	BH538A	BH538A	WS607	TP611	TP611	TP616	TP616	TP616	Nat
							0.40	0.20	0.80	2.00	0.30	0.10	0.60	0.20	0.40	0.80	2.50	
Aliphatics EC5-EC6	0.01	68	0.001	0.1	0	42	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Aliphatics >EC6-EC8	0.01	68	0.001	0.1	0	100	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Aliphatics >EC8-EC10	0.01	68	0.001	0.1	0	27	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Aliphatics >EC10-EC12	0.01	68	1	8.5	0	48	1	8.4	1	1	1	1.7	1	1	1	1	1	
Aliphatics >EC12-EC16	0.1	83	0.523	154.819	9	24	2	70	2	2	2	6.1	2.6	4.9	2	2	2	
Aliphatics >EC16-EC35	0.1	65	0.152	1500	0	65000	10	1500	16	10								
Aliphatics >EC35-EC44	0.1	68	8.4	690	0	65000	8.4	300	8.4	8.4	8.4	8.4	13	8.4	8.4	8.4	8.4	
Aromatics EC5-EC7	0.01	68	0.001	0.1	0	73	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Aromatics >EC7-EC8	0.01	68	0.001	0.1	0	130	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Aromatics >EC8-EC10	0.01	68	0.001	0.1	0	35	0.1	0.1	0.1	0.1	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Aromatics >EC10-EC12	0.01	68	1	3.3	0	75	1	1.1	1	1	1	1	1.1	1	1	1	1	
Aromatics >EC12-EC16	0.1	83	0.161	94	0	150	2	16	4.5	2	2	4.5	2.4	2	2	2	2	
Aromatics >EC16-EC21	0.1	82	0.1	970	3	260	10	170	40	10	10	45	10	10	10	10	10	
Aromatics >EC21-EC35	0.1	82	0.1	3100	5	1100	10	900	75	10	10	130	29	10	10	10	10	
Aromatics >EC35-EC44	0.1	67	8.4	1700	1	1100	8.4	110	8.4	8.4	8.4	23	8.4	8.4	8.4	8.4	8.4	
ADDITIVITY CHECK																		
Aliphatics EC5-EC6			0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aliphatics >EC6-EC8			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aliphatics >EC8-EC10			0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Considered additive Aliphatics >EC10-EC12			0.021	0.175	0.021	0.021	0.021	0.021	0.021	0.021	0.035	0.021	0.021	0.021	0.021	0.021	0.021	
Aliphatics >EC12-EC16			0.083	2.917	0.083	0.083	0.083	0.083	0.083	0.083	0.254	0.108	0.204	0.083	0.083	0.083	0.083	
Aliphatics >EC16-EC35			0.000	0.023	0.000	0.000	0.000	0.000	0.000									
Aliphatics >EC35-EC44			0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics EC5-EC7			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Aromatics >EC7-EC8			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Considered additive Aromatics >EC8-EC10			0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Considered additive Aromatics >EC10-EC12			0.013	0.015	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.015	0.013	0.013	0.013	0.013	0.013	
Considered additive Aromatics >EC12-EC16			0.013	0.107	0.030	0.013	0.013	0.013	0.013	0.013	0.030	0.016	0.013	0.013	0.013	0.013	0.013	
Considered additive Aromatics >EC16-EC21			0.038	0.654	0.154	0.038	0.038	0.038	0.038	0.173	0.038	0.038	0.038	0.038	0.038	0.038	0.038	
Considered additive Aromatics >EC21-EC35			0.009	0.818	0.068	0.009	0.009	0.009	0.009	0.118	0.026	0.009	0.009	0.009	0.009	0.009	0.009	
Aromatics >EC35-EC44			0.008	0.100	0.008	0.008	0.008	0.008	0.008	0.021	0.008	0.008	0.008	0.008	0.008	0.008	0.008	
Hazard Index for ali>C8-C16			0.108	3.095	0.108	0.108	0.108	0.108	0.108	0.290	0.129	0.225	0.104	0.104	0.104	0.104	0.104	
Hazard Index for aro>C8-C16			0.030	0.124	0.046	0.030	0.030	0.030	0.030	0.043	0.031	0.027	0.027	0.027	0.027	0.027	0.027	
Hazard Index for aro>C16-C35			0.048	1.472	0.222	0.048	0.048	0.048	0.048	0.291	0.065	0.048	0.048	0.048	0.048	0.048	0.048	
Risk parameter: Human health - residential with plant uptake (1%SOM)																		
Data set: MG & Natural Soils																		
Client: Merseyside Pension Fund																		
Site: Fort Halstead																		
Job no.: C-10730																		
Lab. report no(s).: Multiple																		

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated							Soil Type	MG	MG	Nat	MG	MG	MG	Nat
							Location & Depth	BH521	BH521	BH521	1A6	2A3	BH560	BH560
								0.40	0.50	0.90	0.3 0.8	0.4 0.8	0.40	0.60
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC								
Arsenic	1	7	5	16	0	40	14	14	16	6	5	10	8.9	
Beryllium	0.06	5	1	2.9	0	73	2.9	1.2	2.9			1.6	1	
Boron	0.2	7	0.9	1.7	0	11000	1.7	1.2	1.3	1	1	1.1	0.9	
Cadmium	0.2	7	0.2	1	0	87	0.2	0.2	0.2	1	1	0.2	0.2	
Chromium (III)	1	7	20	78	0	890	39	23	52	78	24	20	22	
Chromium (VI)	1.2	5	1.2	1.2	0	6.1	1.2	1.2	1.2			1.2	1.2	
Copper	1	7	9	120	0	7300	120	60	26	9	41	46	23	
Lead	2	7	21	183	0	310	73	52	21	183	30	150	37	
Mercury, inorganic	0.3	7	0.3	1	0	240	0.3	0.3	0.5	1	1	0.3	0.3	
Nickel	2	7	8	63	0	180	63	32	43	8	16	39	20	
Selenium	1	7	1	1.4	0	600	1	1.4	1	1	1	1.3	1	
Vanadium	1	5	38	90	0	1200	74	57	90			55	38	
Zinc	2	7	35	78	0	40000	61	63	68	35	58	78	55	
Cyanide (free)	1	5	1	1	0	800	1	1	1			1	1	
Phenol (total)	2	5	1	1	0	750	1	1	1			1	1	
Acenaphthene	0.05	3	0.1	0.1	0	3000	0.1	0.1	0.1					
Acenaphthylene	0.05	3	0.1	0.1	0	2900	0.1	0.1	0.1					
Anthracene	0.05	3	0.1	0.18	0	31000	0.13	0.18	0.1					
Benz(a)anthracene	0.05	3	0.1	1.1	0	5.5	0.61	1.1	0.1					
Benzo(a)pyrene	0.05	3	0.1	1.4	0	1.5	0.83	1.4	0.1					
Benzo(b)fluoranthene	0.05	3	0.1	1.5	0	11	1	1.5	0.1					
Benzo(ghi)perylene	0.05	3	0.05	1.5	0	71	0.72	1.5	0.05					
Benzo(k)fluoranthene	0.05	3	0.1	0.69	0	15	0.51	0.69	0.1					
Chrysene	0.05	3	0.05	0.89	0	13	0.64	0.89	0.05					
Dibenz(a,h)anthracene	0.05	3	0.1	0.25	0	1.3	0.1	0.25	0.1					
Fluoranthene	0.05	3	0.1	1.2	0	1500	0.68	1.2	0.1					
Fluorene	0.05	3	0.1	0.1	0	2800	0.1	0.1	0.1					
Indeno(1,2,3,cd)pyrene	0.05	3	0.1	1.3	0	6.3	0.54	1.3	0.1					
Naphthalene	0.05	3	0.05	0.05	0	2.3	0.05	0.05	0.05					
Phenanthrene	0.05	3	0.1	0.58	0	1300	0.58	0.57	0.1					
Pyrene	0.05	3	0.1	1.2	0	3700	0.69	1.2	0.1					
Asbestos identified	Y/N						Y	Y	N			N	N	
FOC (dimensionless)	0.0081	(mean)					0.0055	0.0087	0.004			0.0093	0.013	
SOM (calculated)	1.40%	(mean)					0.95%	1.50%	0.69%			1.60%	2.24%	
pH (su)	8.6	(mean)					8.5	9.6	6.5			10.4	8.1	

Risk parameter: Human health - residential without plant uptake (1%SOM)

Data set: MG and Natural

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-19730

Lab. report no(s): Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).
 MG denotes Made Ground
 NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	MG	MG	Nat	MG	MG	MG	Nat								
							Location & Depth	BH521	BH521	BH521	1A6	2A3	BH560	BH560								
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.40	0.50	0.90	0.3 0.8	0.4 0.8	0.40	0.60									
Arsenic	1	7	5	16	0	250	14	14	16	6	5	10	8.9									
Boron	0.2	7	0.9	1.7	0	3	1.7	1.2	1.3	1	1	1.1	0.9									
Chromium (III)	1	7	20	78	0	400	39	23	52	78	24	20	22									
Chromium (VI)	1.2	5	1.2	1.2	0	25	1.2	1.2	1.2			1.2	1.2									
Copper	1	7	9	120	0	135	120	60	26	9	41	46	23									
Nickel	2	7	8	63	0	75	63	32	43	8	16	39	20									
Zinc	2	7	35	78	0	300	61	63	68	35	58	78	55									
	Mean																					
pH (su)	8.6						8.5	9.6	6.5			10.4	8.1									

Risk parameter: Plant life pH 7

Data set: MG and Natural

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-19730

Lab. report no(s): Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).
MG denotes Made Ground
NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Human Health

Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Soil Type Location & Depth GAC	MG	MG	MG	MG
							BH560	BH521	BH521	BH521
							0.40	0.40	0.50	0.90
Aliphatics EC5-EC6	0.01	4	0.1	0.1	0	42	0.1	0.1	0.1	0.1
Aliphatics >EC6-EC8	0.01	4	0.1	0.1	0	100	0.1	0.1	0.1	0.1
Aliphatics >EC8-EC10	0.01	4	0.1	0.1	0	27	0.1	0.1	0.1	0.1
Aliphatics >EC10-EC12	0.01	4	1	1	0	48	1	1	1	1
Aliphatics >EC12-EC16	0.1	4	2	2	0	24	2	2	2	2
Aliphatics >EC16-EC35	0.1	4	10	10	0	65000	10	10	10	10
Aliphatics >EC35-EC44	0.1	4	8.4	8.4	0	65000	8.4	8.4	8.4	8.4
Aromatics EC5-EC7	0.01	4	0.1	0.1	0	73	0.1	0.1	0.1	0.1
Aromatics >EC7-EC8	0.01	4	0.1	0.1	0	130	0.1	0.1	0.1	0.1
Aromatics >EC8-EC10	0.01	4	0.1	0.1	0	35	0.1	0.1	0.1	0.1
Aromatics >EC10-EC12	0.01	4	1	1	0	75	1	1	1	1
Aromatics >EC12-EC16	0.1	4	2	2	0	150	2	2	2	2
Aromatics >EC16-EC21	0.1	4	10	15	0	260	15	10	10	10
Aromatics >EC21-EC35	0.1	4	10	42	0	1100	28	10	42	10
Aromatics >EC35-EC44	0.1	4	8.4	42	0	1100	8.4	8.4	42	8.4
ADDITIVITY CHECK							HAZARD QUOTIENTS FOR EACH FRACTION			
Aliphatics EC5-EC6							0.002	0.002	0.002	0.002
Aliphatics >EC6-EC8							0.001	0.001	0.001	0.001
Aliphatics >EC8-EC10							0.004	0.004	0.004	0.004
Aliphatics >EC10-EC12							0.021	0.021	0.021	0.021
Aliphatics >EC12-EC16							0.083	0.083	0.083	0.083
Aliphatics >EC16-EC35							0.000	0.000	0.000	0.000
Aliphatics >EC35-EC44							0.000	0.000	0.000	0.000
Aromatics EC5-EC7							0.001	0.001	0.001	0.001
Aromatics >EC7-EC8							0.001	0.001	0.001	0.001
Aromatics >EC8-EC10							0.003	0.003	0.003	0.003
Aromatics >EC10-EC12							0.013	0.013	0.013	0.013
Aromatics >EC12-EC16							0.013	0.013	0.013	0.013
Aromatics >EC16-EC21							0.058	0.038	0.038	0.038
Aromatics >EC21-EC35							0.025	0.009	0.038	0.009
Aromatics >EC35-EC44							0.008	0.008	0.038	0.008
Hazard Index for ali>C8-C16							0.108	0.108	0.108	0.108
Hazard Index for aro>C8-C16							0.030	0.030	0.030	0.030
Hazard Index for aro>C16-C35							0.083	0.048	0.077	0.048
Risk parameter: Human health - residential with plant uptake (1%SOM) Data set: Made Ground Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-19730 Lab. report no(s).: Multiple							Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading. Legend: Main table values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Main table values in red are equal to, or greater than, the generic assessment criterion (GAC). MG denotes Made Ground NAT denotes natural ground			

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated							Soil Type		Nat		MG		Nat		MG		Nat		MG		Nat	
Location & Depth							BH545	BH546	BH546	BH547	BH547	BH548	BH548	BH549	BH550	BH550	BH554	BH557	BH557	BH563	BH563	
							0.50	0.30	0.50	0.20	1.00	0.30	0.80	0.70	0.20	0.50	0.40	0.50	0.80	0.30	0.90	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																
Arsenic	1	69	1	34	0	640	20	13	18	9.5	11	11	19	15	19	17	12	15	17	16	8.5	
Beryllium	0.06	43	0.18	22	0	390	2.7	1	1.4	0.81	1.3	0.67	1.8	1.2	1.3	0.85	0.87	2.5	2.6	0.73	0.51	
Boron	0.2	69	0.2	16	0	190000	1.2	0.2	1.4	0.3	0.9	1	1.4	3.1	1.2	1	0.9	0.8	0.2	1	0.8	
Cadmium	0.2	69	0.2	3	0	220	0.2	0.4	0.2	0.8	0.2	0.2	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.8	0.2	
Chromium (III)	1	69	1	77	0	8400	56	31	49	24	32	22	58	46	31	28	23	58	60	23	31	
Chromium (VI)	1.2	31	1.2	1.2	0	33	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	69	1	920	0	69000	32	75	22	31	18	17	26	18	39	50	26	36	40	41	13	
Lead	2	61	1	200	0	2330	22	160	20	110	21	56	18	17	200	84	33	21	42	140	31	
Mercury, inorganic	0.3	69	0.3	1	0	3600	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.3	0.3	0.4	0.3	0.7	0.3	
Nickel	2	69	1	174	0	1700	47	21	38	20	21	16	32	24	27	16	17	37	51	18	19	
Selenium	1	69	1	3	0	13000	1	1.1	1.5	1	1.2	1.1	1	1	1.9	1.5	1	1.2	1	1	2	
Vanadium	1	45	6.6	143	0	9000	110	44	100	36	65	44	110	90	60	53	40	95	120	36	39	
Zinc	2	67	7	243	0	670000	79	140	69	81	45	49	61	46	160	47	51	72	95	75	44	
Cyanide (free)	1	31	1	1	0	16000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Phenol (total)	2	31	1	1	0	760	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Acenaphthene	0.05	45	0.005	0.76	0	84000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Acenaphthylene	0.05	45	0.013	4.4	0	83000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Anthracene	0.05	45	0.009	16	0	520000	0.1	0.13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Benz(a)anthracene	0.05	45	0.012	59	0	86	0.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.46	0.1	0.2	0.1	0.1	0.28	0.1	
Benzo(a)pyrene	0.05	45	0.012	49	1	14	0.1	0.91	0.1	0.2	0.1	0.1	0.1	0.1	0.38	0.1	0.24	0.1	0.1	0.28	0.1	
Benzo(b)fluoranthene	0.05	45	0.016	57	0	97	0.1	1.2	0.1	0.23	0.1	0.1	0.1	0.1	0.53	0.1	0.22	0.1	0.1	0.34	0.1	
Benzo(ghi)perylene	0.05	45	0.01	26	0	630	0.05	0.51	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Benzo(k)fluoranthene	0.05	45	0.025	27	0	140	0.1	0.67	0.1	0.22	0.1	0.1	0.1	0.1	0.25	0.1	0.17	0.1	0.1	0.27	0.1	
Chrysene	0.05	45	0.01	49	0	140	0.05	1.1	0.05	0.05	0.05	0.05	0.05	0.05	0.57	0.05	0.26	0.05	0.05	0.46	0.05	
Dibenz(a,h)anthracene	0.05	42	0.008	7.4	0	12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Fluoranthene	0.05	45	0.025	150	0	23000	0.1	2.2	0.1	0.62	0.1	0.1	0.1	0.1	1	0.1	0.49	0.1	0.1	0.58	0.1	
Fluorene	0.05	45	0.012	4.8	0	63000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Indeno(1,2,3,cd)pyrene	0.05	45	0.011	22	0	58	0.1	0.35	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Naphthalene	0.05	45	0.01	0.53	0	190	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Phenanthrene	0.05	45	0.021	77	0	22000	0.1	0.81	0.1	0.28	0.1	0.1	0.1	0.1	0.35	0.1	0.1	0.1	0.1	0.1	0.1	
Pyrene	0.05	45	0.022	120	0	54000	0.1	1.9	0.1	0.47	0.1	0.1	0.1	0.1	0.87	0.1	0.39	0.1	0.1	0.54	0.1	
Asbestos identified	Y/N						N	N	N	N	N	Y	N	N	N	Y	N	N	N	N	N	
FOC (dimensionless)	0.00761	(mean)					0.001	0.014	0.0023	0.015	0.0015	0.015	0.0025	0.001	0.024	0.011	0.0041	0.001	0.0026	0.013	0.0055	
SOM (calculated)	1.31%	(mean)					0.17%	2.41%	0.40%	2.59%	0.26%	2.59%	0.43%	0.17%	4.14%	1.90%	0.71%	0.17%	0.45%	2.24%	0.95%	
pH (su)	7.6	(mean)					7	7.8	7.8	7.8	6.1	7.8	4.9	7.3	7.4	7.6	9.1	6.4	5.5	7.7	8	

Risk parameter: Human health - commercial (1%SOM)

Data set: QinetiQ

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	MG	MG	MG	MG	MG	Nat	MG	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	Nat	MG	Nat	
						Location & Depth	BH556	BH556	HP501	HP502	BH551	BH551	BH552	BH553	BH553	BH553	TP560	TP560	TP561	4X7	4X7	6X1	6X1	6X2	6X2	
							0.10	0.40	0.40	0.40	0.30	0.50	0.50	0.20	0.60	1.00	0.20	0.50	0.20	0.1 0.4	3.2 3.5	0.2 0.6	1.0 1.3	0.0 0.4	3.4 3.7	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																				
Arsenic	1	69	1	34	0	640	13	8.4	9.4	10	17	11	20	10	15	1	12	19	9.3	10	1	4	8	6	4	
Beryllium	0.06	43	0.18	22	0	390	1.6	0.78	2.2	1.5	2.5	2.3	14	0.97	9.7	0.18	0.93	2	0.72							
Boron	0.2	69	0.2	16	0	190000	0.8	0.2	0.3	0.2	1.9	2.6	3.5	0.4	2.8	0.3	2	0.7	1.9	1	1	1	1	1	1	
Cadmium	0.2	69	0.2	3	0	220	0.2	0.2	0.5	0.5	0.6	0.5	0.6	0.2	1.2	0.3	0.5	0.2	0.5	1	1	1	1	1	1	
Chromium (III)	1	69	1	77	0	8400	42	26	35	31	37	40	55	15	43	6.2	21	49	20	42	5	19	34	23	17	
Chromium (VI)	1.2	31	1.2	1.2	0	33	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2							
Copper	1	69	1	920	0	69000	32	14	23	25	32	32	46	25	36	7.6	42	27	31	5	2	1	3	10	16	
Lead	2	61	1	200	0	2330	45	41	33	37	84	26	47	77	46	4.5	180	26	120	20	1	13	6	36	7	
Mercury, inorganic	0.3	69	0.3	1	0	3600	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.8	0.4	0.3	1	1	1	1	1	1	
Nickel	2	69	1	174	0	1700	29	12	33	31	47	48	67	16	75	7.9	20	43	19	7	5	1	1	4	22	
Selenium	1	69	1	3	0	13000	1	1	1.9	1.2	1.5	2.1	1.3	1	1	1	1.1	1	1	1	1	1	1	1	1	
Vanadium	1	45	6.6	143	0	9000	65	35	58	45	66	77	110	35	73	6.6	36	100	40							
Zinc	2	67	7	243	0	670000	84	38	70	57	86	78	160	74	140	27	78	79	82	39	17	18	24	33	44	
Cyanide (free)	1	31	1	1	0	16000	1	1	1	1	1	1	1	1	1	1	1	1	1							
Phenol (total)	2	31	1	1	0	760	1	1	1	1	1	1	1	1	1	1	1	1	1							
Acenaphthene	0.05	45	0.005	0.76	0	84000	0.1	0.76	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Acenaphthylene	0.05	45	0.013	4.4	0	83000	0.1	4.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Anthracene	0.05	45	0.009	16	0	520000	0.44	16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Benz(a)anthracene	0.05	45	0.012	59	0	86	1.3	59	0.1	0.1	0.23	0.32	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Benzo(a)pyrene	0.05	45	0.012	49	1	14	0.98	49	0.1	0.1	0.17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Benzo(b)fluoranthene	0.05	45	0.016	57	0	97	1.2	57	0.1	0.1	0.21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Benzo(ghi)perylene	0.05	45	0.01	26	0	630	0.53	26	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05							
Benzo(k)fluoranthene	0.05	45	0.025	27	0	140	0.51	27	0.1	0.1	0.21	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Chrysene	0.05	45	0.01	49	0	140	0.99	49	0.05	0.05	0.2	0.26	0.05	0.05	0.05	0.05	0.05	0.05	0.05							
Dibenz(a,h)anthracene	0.05	42	0.008	7.4	0	12	0.1	7.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Fluoranthene	0.05	45	0.025	150	0	23000	2.6	150	0.1	0.1	0.44	0.51	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Fluorene	0.05	45	0.012	4.8	0	63000	0.1	4.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Indeno(1,2,3,cd)pyrene	0.05	45	0.011	22	0	58	0.42	22	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Naphthalene	0.05	45	0.01	0.53	0	190	0.05	0.53	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05							
Phenanthrene	0.05	45	0.021	77	0	22000	1.1	77	0.1	0.1	0.3	0.18	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Pyrene	0.05	45	0.022	120	0	54000	2.1	120	0.1	0.1	0.39	0.51	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
Asbestos identified	Y/N						Y	Y	N	N	N	N	N	N	N	N	N	N	N							
FOC (dimensionless)	0.00761	(mean)					0.01	0.0075	0.0064	0.0046	0.0069	0.0041	0.0049	0.0066	0.01	0.0025	0.017	0.0036	0.015							
SOM (calculated)	1.31%	(mean)					1.72%	1.29%	1.10%	0.79%	1.19%	0.71%	0.84%	1.14%	1.72%	0.43%	2.93%	0.62%	2.59%							
pH (su)	7.6	(mean)					7.9	7.6	8.1	8	8	8.1	7.6	9.4	7.8	8.7	7.6	7.2	7.6							

Risk parameter: Human health - commercial (1%SOM)

Data set: QinetiQ

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG		
Location & Depth						1X1	1X1	1X2	1X2	1X3	1X3	1X4	1X4	4X1	4X2	4X3	4X5	1D2	1D2	1D3	1D3	1D4	1D4	MG	
						0.3 0.5	3.7 4.0	0.1 0.5	1.5 1.8	0.2 0.6	1.0 1.3	0.1 0.4	2.4 3.0	0.4 0.8	0.05 0.7	0.0 0.5	0.05 0.5	0.0 0.2	0.3 0.4	0.0 0.2	1.8 2.0	0.0 0.3	1.5 2.5	S-HD1	
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																			
Arsenic	1	69	1	34	0	640	6	1	8	9	10	14	7	1	8	11	8	15	5	1	6	1	2	1	1
Beryllium	0.06	43	0.18	22	0	390																			
Boron	0.2	69	0.2	16	0	190000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cadmium	0.2	69	0.2	3	0	220	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromium (III)	1	69	1	77	0	8400	76	10	51	47	36	41	60	4	26	20	26	77	14	7	18	1	11	7	44
Chromium (VI)	1.2	31	1.2	1.2	0	33																			
Copper	1	69	1	920	0	69000	1	2	8	7	8	11	11	1	920	40	12	49	13	6	38	1	3	2	41
Lead	2	61	1	200	0	2330									56	190	77	64	44	9	65	4	10	6	26
Mercury, inorganic	0.3	69	0.3	1	0	3600	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nickel	2	69	1	174	0	1700	6	6	10	14	10	12	12	11	9	19	42	18	11	22	1	13	5	174	
Selenium	1	69	1	3	0	13000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
Vanadium	1	45	6.6	143	0	9000																			91
Zinc	2	67	7	243	0	670000	15	34	39	46	38	49	35	20	148	124	65	167	60	19	102	7	37	18	
Cyanide (free)	1	31	1	1	0	16000																			
Phenol (total)	2	31	1	1	0	760																			
Acenaphthene	0.05	45	0.005	0.76	0	84000																			0.028
Acenaphthylene	0.05	45	0.013	4.4	0	83000																			0.038
Anthracene	0.05	45	0.009	16	0	520000																			0.049
Benz(a)anthracene	0.05	45	0.012	59	0	86																			0.08
Benzo(a)pyrene	0.05	45	0.012	49	1	14																			0.074
Benzo(b)fluoranthene	0.05	45	0.016	57	0	97																			0.062
Benzo(ghi)perylene	0.05	45	0.01	26	0	630																			0.069
Benzo(k)fluoranthene	0.05	45	0.025	27	0	140																			0.035
Chrysene	0.05	45	0.01	49	0	140																			0.084
Dibenz(a,h)anthracene	0.05	42	0.008	7.4	0	12																			0.027
Fluoranthene	0.05	45	0.025	150	0	23000																			0.177
Fluorene	0.05	45	0.012	4.8	0	63000																			0.064
Indeno(1,2,3,cd)pyrene	0.05	45	0.011	22	0	58																			0.065
Naphthalene	0.05	45	0.01	0.53	0	190																			0.146
Phenanthrene	0.05	45	0.021	77	0	22000																			0.254
Pyrene	0.05	45	0.022	120	0	54000																			0.146
Asbestos identified	Y/N																								
FOC (dimensionless)	0.00761	(mean)																							
SOM (calculated)	1.31%	(mean)																							
pH (su)	7.6	(mean)																							

Risk parameter: Human health - commercial (1%SOM)

Data set: QinetiQ

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated						Soil Type	Nat	MG	Nat	MG	Nat	MG	Nat	MG	MG	MG	MG	MG	Nat	Nat	MG		
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	Location & Depth	S-HD3	X-WS3	X-WS3	X-WS4	X-WS4	X-WS3	X-WS3	X-HD5	X12	X12	MG	MG	MG	Nat	Nat	MG	
						GAC	0.6m	0.5m	1.1-1.2m	0.6m	1.3-1.4m	0.5m	1.1-1.2m	0.3m	0.2m	0.5m	0.3m	0.4m	0.5m	BH541	BH601	TP601	
Arsenic	1	69	1	34	0	640	3	6	11	7	8	6	11	7	5	3	7	2	1	34	4.9	10	
Beryllium	0.06	43	0.18	22	0	390		1	1	1	2	1	1	1	1	1	3	22	16	0.44	0.87		
Boron	0.2	69	0.2	16	0	190000	1	1	3	2	2	1	3	16	4	1	1	1	1	2	0.2	1.1	
Cadmium	0.2	69	0.2	3	0	220	1	1	1	1	1	1	1	1	1	1	1	3	1.3	0.2	0.4		
Chromium (III)	1	69	1	77	0	8400	44	33	62	31	58	33	62	47	37	36	44	56	70	73	15	30	
Chromium (VI)	1.2	31	1.2	1.2	0	33														1.2	1.2	1.2	
Copper	1	69	1	920	0	69000	15	10	11	5	17	10	11	10	16	15	19	46	28	43	13	48	
Lead	2	61	1	200	0	2330	20	53	21	23	25	53	21	27	36	20	92	29	38	30	16	110	
Mercury, inorganic	0.3	69	0.3	1	0	3600	1	1	1	1	1	1	1	1	1	1	1	1	1	0.3	0.3	0.3	
Nickel	2	69	1	174	0	1700	43	16	29	16	35	16	29	17	22	26	27	83	100	130	17	21	
Selenium	1	69	1	3	0	13000	3	3	3	3	3	3	3	3	3	3	3	3	3	1.1	1	1	
Vanadium	1	45	6.6	143	0	9000	76	59	143	57	135	59	143	95	67	68	89	86	134	130	18	43	
Zinc	2	67	7	243	0	670000		93	93	60	118	93	93	65	64	60	118	101	243	150	26	110	
Cyanide (free)	1	31	1	1	0	16000														1	1	1	
Phenol (total)	2	31	1	1	0	760														1	1	1	
Acenaphthene	0.05	45	0.005	0.76	0	84000	0.058	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.014	0.014	0.137	0.014	0.014	0.1	0.05	0.05	
Acenaphthylene	0.05	45	0.013	4.4	0	83000	0.074	0.014	0.014	0.014	0.014	0.014	0.014	0.015	0.017	0.013	0.059	0.016	0.02	0.1	0.05	0.05	
Anthracene	0.05	45	0.009	16	0	520000	0.101	0.009	0.009	0.009	0.009	0.009	0.009	0.022	0.016	0.01	0.304	0.025	0.017	0.1	0.05	0.19	
Benz(a)anthracene	0.05	45	0.012	59	0	86	0.253	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.071	0.068	0.045	0.875	0.092	0.079	0.1	0.05	1.5
Benzo(a)pyrene	0.05	45	0.012	49	1	14	0.23	0.012	0.012	0.012	0.012	0.012	0.012	0.042	0.083	0.06	0.832	0.093	0.09	0.1	0.05	1.7	
Benzo(b)fluoranthene	0.05	45	0.016	57	0	97	0.231	0.016	0.016	0.016	0.016	0.016	0.016	0.057	0.063	0.043	0.699	0.083	0.074	0.1	0.05	2.3	
Benzo(ghi)perylene	0.05	45	0.01	26	0	630	0.208	0.01	0.01	0.01	0.01	0.01	0.01	0.029	0.052	0.034	0.503	0.07	0.06	0.05	0.05	1.1	
Benzo(k)fluoranthene	0.05	45	0.025	27	0	140	0.106	0.025	0.025	0.025	0.025	0.025	0.025	0.028	0.03	0.025	0.373	0.044	0.037	0.1	0.05	0.56	
Chrysene	0.05	45	0.01	49	0	140	0.325	0.01	0.01	0.01	0.01	0.01	0.01	0.087	0.08	0.054	0.905	0.097	0.091	0.05	0.05	1.1	
Dibenz(a,h)anthracene	0.05	42	0.008	7.4	0	12	0.054	0.008	0.008	0.008	0.008	0	0	0.012	0.01	0.104	0.026	0.016	0.1	0.05	0.28		
Fluoranthene	0.05	45	0.025	150	0	23000	0.546	0.025	0.025	0.025	0.025	0.025	0.025	0.087	0.158	0.108	2.396	0.193	0.179	0.1	0.05	2.4	
Fluorene	0.05	45	0.012	4.8	0	63000	0.087	0.012	0.012	0.012	0.012	0.012	0.012	0.023	0.012	0.012	0.098	0.012	0.012	0.1	0.05	0.05	
Indeno(1,2,3,cd)pyrene	0.05	45	0.011	22	0	58	0.169	0.011	0.011	0.011	0.011	0.011	0.011	0.021	0.06	0.036	0.533	0.074	0.059	0.1	0.05	0.89	
Naphthalene	0.05	45	0.01	0.53	0	190	0.298	0.01	0.01	0.01	0.01	0.01	0.01	0.108	0.02	0.019	0.038	0.015	0.015	0.05	0.05	0.05	
Phenanthrene	0.05	45	0.021	77	0	22000	0.429	0.021	0.021	0.021	0.021	0.021	0.021	0.122	0.079	0.056	1.263	0.092	0.069	0.1	0.05	1.1	
Pyrene	0.05	45	0.022	120	0	54000	0.473	0.022	0.022	0.022	0.022	0.022	0.022	0.139	0.142	0.095	1.968	0.169	0.155	0.1	0.05	2.1	
Asbestos identified	Y/N																			N	N	N	
FOC (dimensionless)	0.00761	(mean)																		0.0042	0.0021	0.017	
SOM (calculated)	1.31%	(mean)																		0.72%	0.36%	2.93%	
pH (su)	7.6	(mean)																		7.9	7.7	8.2	

Risk parameter: Human health - commercial (1%SOM)

Data set: QinetiQ

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type															
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Nat		MG		Nat		MG		Nat		MG		Nat		MG	
							BH545	BH546	BH546	BH547	BH547	BH548	BH548	BH549	BH550	BH550	BH554	BH557	BH557	BH563	BH563	
Arsenic	1	69	1	34	0	250	20	13	18	9.5	11	11	19	15	19	17	12	15	17	16	8.5	
Boron	0.2	69	0.2	16	6	3	1.2	0.2	1.4	0.3	0.9	1	1.4	3.1	1.2	1	0.9	0.8	0.2	1	0.8	
Chromium (III)	1	69	1	77	0	400	56	31	49	24	32	22	58	46	31	28	23	58	60	23	31	
Chromium (VI)	1.2	31	1.2	1.2	0	25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
Copper	1	69	1	920	1	135	32	75	22	31	18	17	26	18	39	50	26	36	40	41	13	
Nickel	2	69	1	174	5	75	47	21	38	20	21	16	32	24	27	16	17	37	51	18	19	
Zinc	2	67	7	243	0	300	79	140	69	81	45	49	61	46	140	47	51	72	95	75	44	
Mean																						
pH (su)	7.6						7	7.8	7.8	7.8	6.1	7.8	4.9	7.3	7.4	7.6	9.1	6.4	5.5	7.7	8	

Risk parameter: Plant life pH 7

Data set: QinetiQ

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s).: Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	MG	MG	MG	MG	MG	Nat	MG	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	Nat	MG	Nat
							Location & Depth	BH556	BH556	HP501	HP502	BH551	BH551	BH552	BH553	BH553	BH553	TP560	TP560	TP561	4X7	4X7	6X1	6X1	6X2	6X2
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC																				
Arsenic	1	69	1	34	0	250	13	8.4	9.4	10	17	11	20	10	15	1	12	19	9.3	10	1	4	8	6	4	
Boron	0.2	69	0.2	16	6	3	0.8	0.2	0.3	0.2	1.9	2.6	3.5	0.4	2.8	0.3	2	0.7	1.9	1	1	1	1	1	1	
Chromium (III)	1	69	1	77	0	400	42	26	35	31	37	40	55	15	43	6.2	21	49	20	42	5	19	34	23	17	
Chromium (VI)	1.2	31	1.2	1.2	0	25	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2						
Copper	1	69	1	920	1	135	32	14	23	25	32	32	46	25	36	7.6	42	27	31	5	2	1	3	10	16	
Nickel	2	69	1	174	5	75	29	12	33	31	47	48	67	16	75	7.9	20	43	19	7	5	1	1	4	22	
Zinc	2	67	7	243	0	300	84	38	70	57	86	78	160	74	140	27	78	79	82	39	17	18	24	33	44	
	Mean																									
pH (su)	7.6						7.9	7.6	8.1	8	8	8.1	7.6	9.4	7.8	8.7	7.6	7.2	7.6							

Risk parameter: Plant life pH 7
Data set: QinetiQ
Client: Merseyside Pension Fund
Site: Fort Halstead
Job no.: C-10730
Lab. report no(s): Multiple

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat		
							Location & Depth	1X1	1X1	1X2	1X2	1X3	1X3	1X4	1X4	4X1	4X2	4X3	4X5	1D2	1D2	1D3	1D3	1D4	1D4		
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.3 0.5	3.7 4.0	0.1 0.5	1.5 1.8	0.2 0.6	1.0 1.3	0.1 0.4	2.4 3.0	0.4 0.8	0.05 0.7	0.0 0.5	0.05 0.5	0.0 0.2	0.3 0.4	0.0 0.2	1.8 2.0	0.0 0.3	1.5 2.5	0.4m		
Arsenic	1	69	1	34	0	250	6	1	8	9	10	14	7	1	8	11	8	15	5	1	6	1	2	1	1		
Boron	0.2	69	0.2	16	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Chromium (III)	1	69	1	77	0	400	76	10	51	47	36	41	60	4	26	20	26	77	14	7	18	1	11	7	44		
Chromium (VI)	1.2	31	1.2	1.2	0	25																					
Copper	1	69	1	920	1	135	1	2	8	7	8	11	11	1	920	40	12	49	13	6	38	1	3	2	41		
Nickel	2	69	1	174	5	75	6	6	10	14	10	12	12	11	9	19	42	18	11	22	1	13	5	174			
Zinc	2	67	7	243	0	300	15	34	39	46	38	49	35	20	148	124	65	167	60	19	102	7	37	18			
	Mean																										
pH (su)	7.6																										
<p>Risk parameter: Plant life pH 7 Data set: QinetiQ Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s).: Multiple</p>																											

Assessment of Chemicals of Potential Concern to Plant Life



All values in mg/kg unless otherwise stated							Soil Type	Nat	MG	Nat	MG	Nat	MG	Nat	MG	MG	NG	MG	MG	MG	Nat	Nat	MG
							Location & Depth	S-HD3	X-WS3	X-WS3	X-WS4	X-WS4	X-WS3	X-WS3	X-HD5	X12	X12	X65	X70	X73	BH541	BH601	TP601
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.6m	0.5m	1.1-1.2m	0.6m	1.3-1.4m	0.5m	1.1-1.2m	0.3m	0.2m	0.5m	0.3m	0.4m	0.5m	0.30	0.70	0.1	
Arsenic	1	69	1	34	0	250	3	6	11	7	8	6	11	7	5	3	7	2	1	34	4.9	10	
Boron	0.2	69	0.2	16	6	3	1	1	3	2	2	1	3	16	4	1	1	1	1	2	0.2	1.1	
Chromium (III)	1	69	1	77	0	400	44	33	62	31	58	33	62	47	37	36	44	56	70	73	15	30	
Chromium (VI)	1.2	31	1.2	1.2	0	25														1.2	1.2	1.2	
Copper	1	69	1	920	1	135	15	10	11	5	17	10	11	10	16	15	19	46	28	43	13	48	
Nickel	2	69	1	174	5	75	43	16	29	16	35	16	29	17	22	26	27	83	100	130	17	21	
Zinc	2	67	7	243	0	300														243	150	26	110
	Mean																						
pH (su)	7.6																			7.9	7.7	8.2	
<p>Risk parameter: Plant life pH 7 Data set: QinetiQ Client: Merseyside Pension Fund Site: Fort Halstead Job no.: C-10730 Lab. report no(s).: Multiple</p>																							

Assessment of Chemicals of Potential Concern to Human Health



Soil Type							Nat	MG	MG	Nat	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat
All values in mg/kg unless otherwise stated							BH601	TP601	BH542	BH542	BH545	BH546	BH546	BH547	BH549	BH557	BH563	BH563	BH553	BH553	TP559
Location & Depth							0.70	0.10	0.25	0.60	0.50	0.30	0.50	0.20	0.70	0.50	0.30	0.90	0.20	0.60	0.20
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC															
Aliphatics EC5-EC6	0.01	20	0.001	0.1	0	300	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Aliphatics >EC6-EC8	0.01	20	0.001	0.1	0	140	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Aliphatics >EC8-EC10	0.01	20	0.001	0.1	0	78	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Aliphatics >EC10-EC12	0.01	20	1	3	0	48	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
Aliphatics >EC12-EC16	0.1	33	0.1	12	0	24	2	12	2	2	2	2	2	2	2	2	2	2	4.2	2	2
Aliphatics >EC16-EC35	0.1	33	0.1	77	0	1000000	10	10	10	10	10	10	10	10	10	10	10	10	77	10	10
Aliphatics >EC35-EC44	0.1	20	8.4	66	0	1000000	8.4	25	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	66	8.4	8.4	8.4
Aromatics EC5-EC7	0.01	20	0.001	0.1	0	1200	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Aromatics >EC7-EC8	0.01	20	0.001	0.1	0	870	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Aromatics >EC8-EC10	0.01	20	0.001	0.1	0	610	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Aromatics >EC10-EC12	0.01	20	1	1	0	360	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Aromatics >EC12-EC16	0.1	33	0.1	5.1	0	36000	2	5.1	2	2	2	2	2	2	2	2	2	2	2	2	2
Aromatics >EC16-EC21	0.1	33	0.1	23	0	28000	10	14	10	10	10	10	10	10	10	10	10	10	12	10	10
Aromatics >EC21-EC35	0.1	33	0.1	130	0	28000	10	40	10	10	10	20	10	10	10	17	10	130	10	10	10
Aromatics >EC35-EC44	0.1	20	8.4	150	0	28000	8.4	59	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	150	8.4	8.4	8.4
ADDITIVITY CHECK							HAZARD QUOTIENTS FOR EACH FRACTION														
Aliphatics EC5-EC6							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aliphatics >EC6-EC8							0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Aliphatics >EC8-EC10							0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Aliphatics >EC10-EC12							0.021	0.063	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
Aliphatics >EC12-EC16							0.083	0.500	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.175	0.083	0.083
Aliphatics >EC16-EC35							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aliphatics >EC35-EC44							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics EC5-EC7							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC7-EC8							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC8-EC10							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC10-EC12							0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Aromatics >EC12-EC16							0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC16-EC21							0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aromatics >EC21-EC35							0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.005	0.000	0.000	0.000
Aromatics >EC35-EC44							0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.000
Hazard Index for ali>C8-C16							0.104	0.563	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.105	0.197	0.105	0.105	0.105
Hazard Index for aro>C8-C16							0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Hazard Index for aro>C16-C35							0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.001	0.001	0.001
Risk parameter: Human health - commercial (1%SOM)							Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.														
Data set: QinetiQ							Legend: Main table values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.														
Client: Merseyside Pension Fund							Main table alues in red are equal to, or greater than, the generic assessment criterion (GAC).														
Site: Fort Halstead																					
Job no.: C-10730																					
Lab. report no(s).: Multiple																					

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated							Soil Type		Nat		MG		Nat		MG		Nat		MG		MG		MG				
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth		TP559	TP560	TP560	TP551	TP551	S-HD3	S-HD1	X-WS3	X-WS3	X-WS4	X-WS4	X-WS4	X-HD5	X12	X12	X35	X65	X70	X73
							0.40	0.20	0.50	0.50	1.50	0.6m	0.4m	0.5m	1.1-1.2m	0.6m	1.3-1.4m	0.3m	0.2m	0.5m	0.45m	0.3m	0.4m	0.5m			
Aliphatics EC5-EC6	0.01	20	0.001	0.1	0	300			0.1	0.1	0.1	0.1	0.1														
Aliphatics >EC6-EC8	0.01	20	0.001	0.1	0	140			0.1	0.1	0.1	0.1	0.1														
Aliphatics >EC8-EC10	0.01	20	0.001	0.1	0	78			0.1	0.1	0.1	0.1	0.1														
Aliphatics >EC10-EC12	0.01	20	1	3	0	48			1	1	1	1	1														
Aliphatics >EC12-EC16	0.1	33	0.1	12	0	24			2	2	2	2	2	8.215	4.523	0.891	0.465	0.284	0.32	0.314	0.1	0.129	0.132	7.69	0.547	0.1	
Aliphatics >EC16-EC35	0.1	33	0.1	77	0	1000000			10	10	10	72	10	5.39	0.202	1.305	0.123	0.112	0.203	0.176	0.1	0.1	0.1	14.648	1.162	0.1	
Aliphatics >EC35-EC44	0.1	20	8.4	66	0	1000000			8.4	8.4	8.4	37	8.4														
Aromatics EC5-EC7	0.01	20	0.001	0.1	0	1200			0.1	0.1	0.1	0.1	0.1														
Aromatics >EC7-EC8	0.01	20	0.001	0.1	0	870			0.1	0.1	0.1	0.1	0.1														
Aromatics >EC8-EC10	0.01	20	0.001	0.1	0	610			0.1	0.1	0.1	0.1	0.1														
Aromatics >EC10-EC12	0.01	20	1	1	0	360			1	1	1	1	1														
Aromatics >EC12-EC16	0.1	33	0.1	5.1	0	36000			2	2	2	2	2	0.1	0.1	0.732	0.1	0.1	0.1	0.1	0.1	0.1	2.413	3.008	0.1	0.1	
Aromatics >EC16-EC21	0.1	33	0.1	23	0	28000			10	10	10	23	10	0.1	0.1	0.206	0.1	0.191	0.1	0.1	0.1	0.1	4.813	5.054	0.1	0.1	
Aromatics >EC21-EC35	0.1	33	0.1	130	0	28000			10	10	10	120	10	4.011	0.1	0.12	0.1	5.735	1.366	0.1	0.1	0.1	36.518	37.778	0.1	0.1	
Aromatics >EC35-EC44	0.1	20	8.4	150	0	28000			8.4	8.4	8.4	72	8.4														
ADDITIVITY CHECK																											
Aliphatics EC5-EC6 0.000 0.000 0.000 0.000 0.000																											
Aliphatics >EC6-EC8 0.001 0.001 0.001 0.001 0.001																											
Aliphatics >EC8-EC10 0.001 0.001 0.001 0.001 0.001																											
Considered additive Aliphatics >EC10-EC12 0.021 0.021 0.021 0.021 0.021																											
Aliphatics >EC12-EC16 0.083 0.083 0.083 0.083 0.083 0.342 0.188 0.037 0.019 0.012 0.013 0.013 0.004 0.005 0.006 0.320 0.023 0.004																											
Aliphatics >EC16-EC35 0.000																											
Aliphatics >EC35-EC44 0.000 0.000 0.000 0.000 0.000																											
Aromatics EC5-EC7 0.000 0.000 0.000 0.000 0.000																											
Aromatics >EC7-EC8 0.000 0.000 0.000 0.000 0.000																											
Aromatics >EC8-EC10 0.000 0.000 0.000 0.000 0.000																											
Considered additive Aromatics >EC10-EC12 0.003 0.003 0.003 0.003 0.003																											
Aromatics >EC12-EC16 0.000																											
Aromatics >EC16-EC21 0.000 0.000 0.000 0.001 0.000																											
Considered additive Aromatics >EC21-EC35 0.000 0.000 0.000 0.004 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.001 0.001 0.000 0.000 0.000																											
Aromatics >EC35-EC44 0.000 0.000 0.000 0.003 0.000																											
Hazard Index for ali>C8-C16 0.105 0.105 0.105 0.105 0.105																											
Hazard Index for aro>C8-C16 0.003 0.003 0.003 0.003 0.003																											
Hazard Index for aro>C16-C35 0.001 0.001 0.001 0.005 0.001 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.001 0.002 0.000 0.000																											
Risk parameter: Human health - commercial (1%SOM)																											
Data set: QinetiQ																											
Client: Merseyside Pension Fund																											
Site: Fort Halstead																											
Job no.: C-10730																											
Lab. report no(s).: Multiple																											

Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated							Soil Type	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	MG	MG
Location & Depth							3F2	1F1	1F5	1F5	2F3	2F2	2F2	2F1	A-WS3	A-WS3	
Chemical of Potential Concern							0.3 0.8	1.0 1.5	0.15 0.4	1.0 1.5	0.0 0.4	0.0 1.0	1.5 1.7	0.0 0.2	1.6-1.7m	2.7-2.9m	
Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC												
Arsenic	1	10	1	24	0	640	9	1	1	1	4	8	1	1	24	8	
Beryllium	0.06	2	1	1	0	390								1	1		
Boron	0.2	10	1	2	0	190000	1	1	1	1	1	1	1	1	2		
Cadmium	0.2	10	1	1	0	220	1	1	1	1	1	1	1	1	1		
Chromium (III)	1	0	0	0	0	8400											
Chromium (VI)	1.2	0	0	0	0	33											
Copper	1	10	1	1504	0	69000	11	2	4	1	13	1504	2	204	46	13	
Lead	2	10	4	92	0	2330	36	14	5	6	35	51	4	70	15	92	
Mercury, inorganic	0.3	10	1	1	0	3600	1	1	1	1	1	1	1	1	1		
Nickel	2	10	1	8303	1	1700	10	5	7	1	10	43	12	8303	13	17	
Selenium	1	10	1	36	0	13000	36	1	1	1	1	2	1	1	3	3	
Vanadium	1	2	23	44	0	9000									23	44	
Zinc	2	10	16	399	0	670000	399	19	27	16	135	106	106	62	52	366	
Cyanide (free)	1	0	0	0	0	16000											
Phenol (total)	2	0	0	0	0	760											
Acenaphthene	0.05	2	0.096	54.693	0	84000								54.693	0.096		
Acenaphthylene	0.05	2	0.08	8.476	0	83000								8.476	0.08		
Anthracene	0.05	2	0.369	204.167	0	520000								204.167	0.369		
Benz(a)anthracene	0.05	2	1.106	253.644	1	86								253.644	1.106		
Benzo(a)pyrene	0.05	2	1.074	186.382	1	14								186.382	1.074		
Benzo(b)fluoranthene	0.05	2	0.965	151.437	1	97								151.437	0.965		
Benzo(ghi)perylene	0.05	2	0.763	99.964	0	630								99.964	0.763		
Benzo(k)fluoranthene	0.05	2	0.532	91.877	0	140								91.877	0.532		
Chrysene	0.05	2	1.199	229.748	1	140								229.748	1.199		
Dibenz(a,h)anthracene	0.05	0	0	0	0	12								0	0		
Fluoranthene	0.05	2	2.986	742.445	0	23000								742.445	2.986		
Fluorene	0.05	2	0.088	61.696	0	63000								61.696	0.088		
Indeno(1,2,3,cd)pyrene	0.05	0	0	0	0	58								0	0		
Naphthalene	0.05	2	0.033	1.355	0	190								1.355	0.033		
Phenanthrene	0.05	2	1.527	669.206	0	22000								669.206	1.527		
Pyrene	0.05	2	2.408	573.059	0	54000								573.059	2.408		
Asbestos identified	Y/N																

Risk parameter: Human health - commercial (1%SOM)

Data set: Scheduled Monument

Client: Merseyside Pension Fund

Site: Fort Halstead

Job no.: C-10730

Lab. report no(s).: Multiple

Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate. Values in red are equal to, or greater than, the generic assessment criterion (GAC).
 MG denotes Made Ground
 NAT denotes natural ground

Assessment of Chemicals of Potential Concern to Plant Life

All values in mg/kg unless otherwise stated							Soil Type	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	MG	MG
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth										
							3F2	1F1	1F5	1F5	2F3	2F2	2F2	2F1	A-WS3	A-WS3	
							0.3 0.8	1.0 1.5	0.15 0.4	1.0 1.5	0.0 0.4	0.0 1.0	1.5 1.7	0.0 0.2	1.6-1.7m	2.7-2.9m	
Arsenic	1	10	1	24	0	250	9	1	1	1	4	8	1	1	24	8	
Boron	0.2	10	1	2	0	3	1	1	1	1	1	1	1	1	1	2	
Chromium (III)	1	0	0	0	0	400											
Chromium (VI)	1.2	0	0	0	0	25											
Copper	1	10	1	1504	2	135	11	2	4	1	13	1504	2	204	46	13	
Nickel	2	10	1	8303	1	75	10	5	7	1	10	43	12	8303	13	17	
Zinc	2	10	16	399	2	300	399	19	27	16	135	106	106	62	52	366	

<p>Risk parameter: Plant life pH 7</p> <p>Data set: Scheduled Monument</p> <p>Client: Merseyside Pension Fund</p> <p>Site: Fort Halstead</p> <p>Job no.: C-10730</p> <p>Lab. report no(s).: Multiple</p>	<p>Legend: Values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.</p> <p>Values in red are equal to, or greater than, the generic assessment criterion (GAC).</p> <p>MG denotes Made Ground</p> <p>NAT denotes natural ground</p>
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Assessment of Chemicals of Potential Concern to Human Health



All values in mg/kg unless otherwise stated							Soil Type	MG	MG															
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Location & Depth	A-WS3	A-WS3															
								1.6-1.7m	2.7-2.9m															
Aliphatics EC5-EC6	0.01	0	0	0	0	300																		
Aliphatics >EC6-EC8	0.01	0	0	0	0	140																		
Aliphatics >EC8-EC10	0.01	0	0	0	0	78																		
Aliphatics >EC10-EC12	0.01	2	1,741	241,613	1	48		241,613	1,741															
Aliphatics >EC12-EC16	0.1	2	1,413	706,141	1	24		706,141	1,413															
Aliphatics >EC16-EC35	0.1	0	0	0	0	1000000																		
Aliphatics >EC35-EC44	0.1	0	0	0	0	1000000																		
Aromatics EC5-EC7	0.01	0	0	0	0	1200																		
Aromatics >EC7-EC8	0.01	0	0	0	0	870																		
Aromatics >EC8-EC10	0.01	0	0	0	0	610																		
Aromatics >EC10-EC12	0.01	0	0	0	0	360																		
Aromatics >EC12-EC16	0.1	2	3,398	78,047	0	36000		78,047	3,398															
Aromatics >EC16-EC21	0.1	2	11,136	1531,382	0	28000		1531,382	11,136															
Aromatics >EC21-EC35	0.1	2	90,828	6116,283	0	28000		6116,283	90,828															
Aromatics >EC35-EC44	0.1	0	0	0	0	28000																		
ADDITIVITY CHECK							HAZARD QUOTIENTS FOR EACH FRACTION																	
Aliphatics EC5-EC6																								
Aliphatics >EC6-EC8																								
Aliphatics >EC8-EC10																								
Considered additive Aliphatics >EC10-EC12								5.034	0.036															
Aliphatics >EC12-EC16								29.423	0.059															
Aliphatics >EC16-EC35																								
Aliphatics >EC35-EC44																								
Aromatics EC5-EC7																								
Aromatics >EC7-EC8																								
Aromatics >EC8-EC10																								
Considered additive Aromatics >EC10-EC12																								
Aromatics >EC12-EC16								0.002	0.000															
Aromatics >EC16-EC21								0.055	0.000															
Considered additive Aromatics >EC21-EC35								0.218	0.003															
Aromatics >EC35-EC44																								
Hazard Index for ali>C8-C16																								
Hazard Index for aro>C8-C16																								
Hazard Index for aro>C16-C35								0.273	0.004															
<p>Risk parameter: Human health - commercial (1%SOM)</p> <p>Data set: Scheduled Monument</p> <p>Client: Merseyside Pension Fund</p> <p>Site: Fort Halstead</p> <p>Job no.: C-10730</p> <p>Lab. report no(s): Multiple</p>							<p>Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.</p> <p>Legend: Main table values in blue are at or below the laboratory reporting limit (where a single value is indicated) and are considered as being at the detection limit for the purposes of statistical analysis, as a conservative estimate.</p> <p>Main table values in red are equal to, or greater than, the generic assessment criterion (GAC).</p> <p>MG denotes Made Ground</p> <p>NAT denotes natural ground</p>																	

Appendix H

Waste Classification

Waste Classification Report



PHG3V-46FEZ-U2NN6

Job name

C-10730-C

Description/Comments

Ground Investigation.

Project

Fort Halstead

Site

Sevenoaks

Related Documents

#	Name	Description
None		

Waste Stream Template

Hydrock Standard plus Cresol (ammended Lead)

Classified by

<p>Name: Sarah Hey Date: 28 Jan 2019 16:24 GMT Telephone: 01454 619533</p>	<p>Company: Hydrock Group Limited Over Court Barns Over Lane, Almondsbury Bristol BS32 4DF</p>
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Report

Created by: Sarah Hey
Created date: 28 Jan 2019 16:24 GMT

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	BH601	0.70	Non Hazardous		3
2	BH603	0.70	Non Hazardous		5
3	BH604	0.55	Non Hazardous		7
4	WS603	0.80	Non Hazardous		9
5	WS605	0.70	Non Hazardous		12
6	WS606	0.30	Non Hazardous		14
7	WS607	0.30	Non Hazardous		16
8	TP601	0.10	Non Hazardous		18
9	TP602	0.20	Non Hazardous		21
10	TP603	0.10	Non Hazardous		24
11	TP603[1]	0.40	Non Hazardous		27
12	TP603[2]	1.20	Non Hazardous		30

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
13	TP606	0.10	Non Hazardous		33
14	TP606[1]	0.60	Non Hazardous		36
15	TP607	0.20	Non Hazardous		38
16	TP607[1]	0.80	Non Hazardous		41
17	TP608	0.30	Non Hazardous		43
18	TP608[1]	1.20	Non Hazardous		46
19	TP609	0.20	Non Hazardous		48
20	TP609[1]	0.50	Non Hazardous		51
21	TP610	0.35	Non Hazardous		54
22	TP611	0.10	Non Hazardous		57
23	TP611[1]	0.60	Non Hazardous		60
24	TP612	0.20	Non Hazardous		63
25	TP612[1]	0.60	Potentially Hazardous	HP 3(i)	66
26	TP613	0.30	Non Hazardous		69
27	TP614	0.20	Non Hazardous		71
28	TP615	0.20	Non Hazardous		73
29	TP615[1]	0.90	Non Hazardous		75
30	TP616	0.20	Non Hazardous		78
31	TP616[1]	0.40	Non Hazardous		80
32	BH602	0.80	Non Hazardous		82
33	BH603[1]	1.40	Non Hazardous		85
34	BH604[1]	0.90	Non Hazardous		87
35	BH604[2]	2.30	Non Hazardous		90
36	BH605	0.20	Non Hazardous		92
37	BH605[1]	1.00	Non Hazardous		95
38	BH606	0.50	Non Hazardous		97
39	BH606[1]	1.10	Non Hazardous		100
40	WS603[1]	0.20	Non Hazardous		102
41	WS604	0.30	Non Hazardous		105
42	WS604[1]	0.80	Non Hazardous		108
43	WS605[1]	0.20	Non Hazardous		111
44	WS606[1]	0.60	Non Hazardous		114
45	WS608	0.30	Non Hazardous		116
46	WS608[1]	0.70	Non Hazardous		118
47	WS610	0.15	Non Hazardous		120
48	WS610[1]	0.80	Non Hazardous		122
49	WS610[2]	2.50	Non Hazardous		124

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Classification of sample: BH601

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

Sample details

Sample Name:	LoW Code:	
BH601	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.70 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				4.9 mg/kg	1.32	6.47 mg/kg	0.000647 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				0.44 mg/kg	2.775	1.221 mg/kg	0.000122 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<LOD
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				15 mg/kg	1.462	21.923 mg/kg	0.00219 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				13 mg/kg	1.126	14.637 mg/kg	0.00146 %			
	029-002-00-X	215-270-7	1317-39-1								
17	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
19	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
20	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-912-4	206-44-0								
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-695-5	86-73-7								
22	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-893-2	193-39-5								
23	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16 mg/kg		16 mg/kg	0.0016 %			
	082-001-00-6										
24	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
25	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
26	nickel { nickel dihydroxide }				17 mg/kg	1.579	26.851 mg/kg	0.00269 %			
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
27	pH				7.7 pH		7.7 pH	7.7 pH			
			PH								
28	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		201-581-5	85-01-8								
29	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
	604-001-00-2	203-632-7	108-95-2								
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		204-927-3	129-00-0								
31	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
32	zinc { zinc oxide }				26 mg/kg	1.245	32.363 mg/kg	0.00324 %			
	030-013-00-7	215-222-5	1314-13-2								
Total:									0.0129 %		

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: BH603

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

Sample details

Sample Name:	LoW Code:	
BH603	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.70 m		

Hazard properties

None identified


Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-469-6	83-32-9								
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-917-1	208-96-8								
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-371-1	120-12-7								
4	arsenic { arsenic trioxide }				11 mg/kg	1.32	14.524 mg/kg	0.00145 %			
	033-003-00-0	215-481-4	1327-53-3								
5	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
6	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-032-00-3	200-028-5	50-32-8								
7	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-883-8	191-24-2								
9	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
10	beryllium { beryllium oxide }				0.72 mg/kg	2.775	1.998 mg/kg	0.0002 %			
	004-003-00-8	215-133-1	1304-56-9								
11	boron { boron tribromide/trichloride/trifluoride (combined) }				0.7 mg/kg	13.43	9.401 mg/kg	0.00094 %			
			10294-33-4, 10294-34-5, 7637-07-2								
12	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
	048-010-00-4	215-147-8	1306-23-6								
13	chromium in chromium(III) compounds { chromium(III) oxide }				24 mg/kg	1.462	35.077 mg/kg	0.00351 %			
		215-160-9	1308-38-9								
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	
	024-001-00-0	215-607-8	1333-82-0								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				18 mg/kg	1.126	20.266 mg/kg	0.00203 %			
	029-002-00-X	215-270-7	1317-39-1								
17	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
20	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
22	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
23	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	19 mg/kg		19 mg/kg	0.0019 %			
	082-001-00-6										
24	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
25	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
26	nickel { nickel dihydroxide }				19 mg/kg	1.579	30.01 mg/kg	0.003 %			
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
27	pH				6 pH		6 pH	6pH			
			PH								
28	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
29	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
	604-001-00-2	203-632-7	108-95-2								
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
31	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
	601-021-00-3	203-625-9	108-88-3								
32	zinc { zinc oxide }				74 mg/kg	1.245	92.109 mg/kg	0.00921 %			
	030-013-00-7	215-222-5	1314-13-2								
Total:									0.0229 %		

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: BH604

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

Sample details

Sample Name:	LoW Code:	
BH604	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.55 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	4.6 mg/kg	1.32	6.073 mg/kg	0.000607 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.42 mg/kg		0.42 mg/kg	0.000042 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.47 mg/kg		0.47 mg/kg	0.000047 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.62 mg/kg		0.62 mg/kg	0.000062 %		
8	benzo[ghi]perylene	205-883-8	191-24-2		0.37 mg/kg		0.37 mg/kg	0.000037 %		
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.2 mg/kg		0.2 mg/kg	0.00002 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.2 mg/kg	2.775	0.555 mg/kg	0.000055 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.3 mg/kg	13.43	17.459 mg/kg	0.00175 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.3 mg/kg	1.285	0.386 mg/kg	0.00003 %		
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		6.8 mg/kg	1.462	9.939 mg/kg	0.000994 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene				0.39 mg/kg		0.39 mg/kg	0.000039 %		
	601-048-00-0	205-923-4	218-01-9							
16	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	12.385 mg/kg	0.00124 %		
	029-002-00-X	215-270-7	1317-39-1							
17	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
19	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	fluoranthene				0.78 mg/kg		0.78 mg/kg	0.000078 %		
		205-912-4	206-44-0							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	indeno[123-cd]pyrene				0.25 mg/kg		0.25 mg/kg	0.000025 %		
		205-893-2	193-39-5							
23	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	93 mg/kg		93 mg/kg	0.0093 %		
	082-001-00-6									
24	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
25	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
26	nickel { nickel dihydroxide }				4.9 mg/kg	1.579	7.74 mg/kg	0.000774 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
27	pH				8.5 pH		8.5 pH	8.5 pH		
28	phenanthrene				0.4 mg/kg		0.4 mg/kg	0.00004 %		
		201-581-5	85-01-8							
29	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
30	pyrene				0.76 mg/kg		0.76 mg/kg	0.000076 %		
		204-927-3	129-00-0							
31	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
32	zinc { zinc oxide }				37 mg/kg	1.245	46.054 mg/kg	0.00461 %		
	030-013-00-7	215-222-5	1314-13-2							
Total:								0.0204 %		

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: WS603

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

Sample details

Sample Name:	LoW Code:	
WS603	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.80 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				0.44 mg/kg		0.44 mg/kg	0.000044 %		
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				8 mg/kg	1.32	10.563 mg/kg	0.00106 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				2.7 mg/kg		2.7 mg/kg	0.00027 %		
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				2.6 mg/kg		2.6 mg/kg	0.00026 %		
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				3.2 mg/kg		3.2 mg/kg	0.00032 %		
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				1.8 mg/kg		1.8 mg/kg	0.00018 %		
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				1.2 mg/kg		1.2 mg/kg	0.00012 %		
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				0.89 mg/kg	2.775	2.47 mg/kg	0.000247 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				2.6 mg/kg	13.43	34.918 mg/kg	0.00349 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	0.8 mg/kg	1.285	1.028 mg/kg	0.00008 %		
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				24 mg/kg	1.462	35.077 mg/kg	0.00351 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				1.9	mg/kg		1.9	mg/kg	0.00019 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				45	mg/kg	1.126	50.665	mg/kg	0.00507 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.35	mg/kg		0.35	mg/kg	0.000035 %		
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				4.4	mg/kg		4.4	mg/kg	0.00044 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				1.5	mg/kg		1.5	mg/kg	0.00015 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	100	mg/kg		100	mg/kg	0.01 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				22	mg/kg	1.579	34.749	mg/kg	0.00347 %		
27	pH PH				9	pH		9	pH	9pH		
28	phenanthrene 201-581-5 85-01-8				1.1	mg/kg		1.1	mg/kg	0.00011 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				4.4	mg/kg		4.4	mg/kg	0.00044 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				237	mg/kg		237	mg/kg	0.0237 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				100	mg/kg	1.245	124.471	mg/kg	0.0124 %		
34	asbestos 650-013-00-6 ----- 12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5				40	mg/kg		40	mg/kg	0.004 %		
Total:										0.0702 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0237%)

Classification of sample: WS605

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

Sample details

Sample Name:	WS605	LoW Code:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	0.70 m	Chapter:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
		Entry:	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	18	mg/kg	1.32	23.766	mg/kg	0.00238 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	11	mg/kg	2.775	30.529	mg/kg	0.00305 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	1.8	mg/kg	13.43	24.174	mg/kg	0.00242 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.5	mg/kg	1.285	0.643	mg/kg	0.00005 %	
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		53	mg/kg	1.462	77.462	mg/kg	0.00775 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				38 mg/kg	1.126	42.784 mg/kg	0.00428 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	30 mg/kg		30 mg/kg	0.003 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				60 mg/kg	1.579	94.77 mg/kg	0.00948 %			
27	pH PH				7.7 pH		7.7 pH	7.7 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				110 mg/kg	1.245	136.919 mg/kg	0.0137 %			
Total:								0.0467 %			

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: WS606

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

Sample details

Sample Name:	WS606	LoW Code:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	0.30 m	Chapter:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
		Entry:	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	11	mg/kg	1.32	14.524	mg/kg	0.00145 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.23	mg/kg		0.23	mg/kg	0.000023 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.22	mg/kg		0.22	mg/kg	0.000022 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.38	mg/kg		0.38	mg/kg	0.000038 %		
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.11	mg/kg		0.11	mg/kg	0.000011 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.1	mg/kg	2.775	3.053	mg/kg	0.000305 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.5	mg/kg	13.43	6.715	mg/kg	0.000672 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		23	mg/kg	1.462	33.616	mg/kg	0.00336 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				0.19 mg/kg		0.19 mg/kg	0.000019 %			
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				23 mg/kg	1.126	25.895 mg/kg	0.00259 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				0.43 mg/kg		0.43 mg/kg	0.000043 %			
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	80 mg/kg		80 mg/kg	0.008 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				19 mg/kg	1.579	30.01 mg/kg	0.003 %			
27	pH PH				6.2 pH		6.2 pH	6.2 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				0.43 mg/kg		0.43 mg/kg	0.000043 %			
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				71 mg/kg	1.245	88.375 mg/kg	0.00884 %			
								Total:	0.029 %		

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: WS607

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

Sample details

Sample Name:	WS607	LoW Code:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	0.30 m	Chapter:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
		Entry:	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	16	mg/kg	1.32	21.125	mg/kg	0.00211 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.6	mg/kg	2.775	4.441	mg/kg	0.000444 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	1.5	mg/kg	13.43	20.145	mg/kg	0.00201 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		52	mg/kg	1.462	76.001	mg/kg	0.0076 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				35 mg/kg	1.126	39.406 mg/kg	0.00394 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	26 mg/kg		26 mg/kg	0.0026 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				28 mg/kg	1.579	44.226 mg/kg	0.00442 %			
27	pH PH				7.2 pH		7.2 pH	7.2 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				71 mg/kg	1.245	88.375 mg/kg	0.00884 %			
Total:								0.0326 %			

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: TP601

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

Sample details

Sample Name: TP601	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0.10 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		0.19 mg/kg		0.19 mg/kg	0.000019 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	10 mg/kg	1.32	13.203 mg/kg	0.00132 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.5 mg/kg		1.5 mg/kg	0.00015 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.7 mg/kg		1.7 mg/kg	0.00017 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2.3 mg/kg		2.3 mg/kg	0.00023 %		
8	benzo[ghi]perylene	205-883-8	191-24-2		1.1 mg/kg		1.1 mg/kg	0.00011 %		
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.56 mg/kg		0.56 mg/kg	0.000056 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.87 mg/kg	2.775	2.415 mg/kg	0.000241 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.1 mg/kg	13.43	14.773 mg/kg	0.00148 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.4 mg/kg	1.285	0.514 mg/kg	0.00004 %		
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		30 mg/kg	1.462	43.847 mg/kg	0.00438 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				1.1	mg/kg		1.1	mg/kg	0.00011 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				48	mg/kg	1.126	54.043	mg/kg	0.0054 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.28	mg/kg		0.28	mg/kg	0.000028 %		
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				2.4	mg/kg		2.4	mg/kg	0.00024 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.89	mg/kg		0.89	mg/kg	0.000089 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	110	mg/kg		110	mg/kg	0.011 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				21	mg/kg	1.579	33.169	mg/kg	0.00332 %		
27	pH PH				8.2	pH		8.2	pH	8.2 pH		
28	phenanthrene 201-581-5 85-01-8				1.1	mg/kg		1.1	mg/kg	0.00011 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				2.1	mg/kg		2.1	mg/kg	0.00021 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				181	mg/kg		181	mg/kg	0.0181 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				110	mg/kg	1.245	136.919	mg/kg	0.0137 %		
Total:										0.0611 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0181%)

Classification of sample: TP602

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

Sample details

Sample Name:	LoW Code:	
TP602	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	10 mg/kg	1.32	13.203 mg/kg	0.00132 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.53 mg/kg		0.53 mg/kg	0.000053 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.55 mg/kg		0.55 mg/kg	0.000055 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.71 mg/kg		0.71 mg/kg	0.000071 %		
8	benzo[ghi]perylene	205-883-8	191-24-2		0.42 mg/kg		0.42 mg/kg	0.000042 %		
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.32 mg/kg		0.32 mg/kg	0.000032 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.78 mg/kg	2.775	2.165 mg/kg	0.000216 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.1 mg/kg	13.43	14.773 mg/kg	0.00148 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.6 mg/kg	1.285	0.771 mg/kg	0.00006 %		
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		24 mg/kg	1.462	35.077 mg/kg	0.00351 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				0.42	mg/kg		0.42	mg/kg	0.000042 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				33	mg/kg	1.126	37.154	mg/kg	0.00372 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				0.78	mg/kg		0.78	mg/kg	0.000078 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.36	mg/kg		0.36	mg/kg	0.000036 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	100	mg/kg		100	mg/kg	0.01 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				20	mg/kg	1.579	31.59	mg/kg	0.00316 %		
27	pH PH				8.1	pH		8.1	pH	8.1 pH		
28	phenanthrene 201-581-5 85-01-8				0.31	mg/kg		0.31	mg/kg	0.000031 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				0.69	mg/kg		0.69	mg/kg	0.000069 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				57.4	mg/kg		57.4	mg/kg	0.00574 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				83	mg/kg	1.245	103.311	mg/kg	0.0103 %		
Total:										0.0406 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00574%)

Classification of sample: TP603

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

Sample details

Sample Name: TP603	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0.10 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		0.3 mg/kg		0.3 mg/kg	0.00003 %			
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	8.6 mg/kg	1.32	11.355 mg/kg	0.00114 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.7 mg/kg		1.7 mg/kg	0.00017 %			
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.7 mg/kg		1.7 mg/kg	0.00017 %			
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2 mg/kg		2 mg/kg	0.0002 %			
8	benzo[ghi]perylene	205-883-8	191-24-2		1 mg/kg		1 mg/kg	0.0001 %			
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.78 mg/kg		0.78 mg/kg	0.000078 %			
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.63 mg/kg	2.775	1.748 mg/kg	0.000175 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.4 mg/kg	13.43	18.802 mg/kg	0.00188 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.3 mg/kg	1.285	0.386 mg/kg	0.00003 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		22 mg/kg	1.462	32.154 mg/kg	0.00322 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				1.1	mg/kg		1.1	mg/kg	0.00011 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				35	mg/kg	1.126	39.406	mg/kg	0.00394 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.26	mg/kg		0.26	mg/kg	0.000026 %		
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				2.5	mg/kg		2.5	mg/kg	0.00025 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.87	mg/kg		0.87	mg/kg	0.000087 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	140	mg/kg		140	mg/kg	0.014 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				17	mg/kg	1.579	26.851	mg/kg	0.00269 %		
27	pH PH				8.4	pH		8.4	pH	8.4 pH		
28	phenanthrene 201-581-5 85-01-8				0.99	mg/kg		0.99	mg/kg	0.000099 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				2.2	mg/kg		2.2	mg/kg	0.00022 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				461.4	mg/kg		461.4	mg/kg	0.0461 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				110	mg/kg	1.245	136.919	mg/kg	0.0137 %		
Total:										0.089 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0461%)

Classification of sample: TP603[1]

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

Sample details

Sample Name:	LoW Code:	
TP603[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				0.19 mg/kg		0.19 mg/kg	0.000019 %		
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				0.26 mg/kg		0.26 mg/kg	0.000026 %		
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				0.06 mg/kg	2.775	0.167 mg/kg	0.0000167 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				0.6 mg/kg	13.43	8.058 mg/kg	0.000806 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	0.3 mg/kg	1.285	0.386 mg/kg	0.00003 %		
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				4.5 mg/kg	1.462	6.577 mg/kg	0.000658 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				0.22	mg/kg		0.22	mg/kg	0.000022 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				7.7	mg/kg	1.126	8.669	mg/kg	0.000867 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				0.3	mg/kg		0.3	mg/kg	0.00003 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	15	mg/kg		15	mg/kg	0.0015 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				2.9	mg/kg	1.579	4.581	mg/kg	0.000458 %		
27	pH PH				8.8	pH		8.8	pH	8.8 pH		
28	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				0.28	mg/kg		0.28	mg/kg	0.000028 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				21.3	mg/kg		21.3	mg/kg	0.00213 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				17	mg/kg	1.245	21.16	mg/kg	0.00212 %		
Total:										0.00949 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00213%)

Classification of sample: TP603[2]

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

Sample details

Sample Name:	LoW Code:	
TP603[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	2.2 mg/kg	1.32	2.905 mg/kg	0.00029 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.21 mg/kg	2.775	0.583 mg/kg	0.0000583 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.8 mg/kg	13.43	10.744 mg/kg	0.00107 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.2 mg/kg	1.285	0.257 mg/kg	0.00002 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		6.8 mg/kg	1.462	9.939 mg/kg	0.000994 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				14 mg/kg	1.126	15.762 mg/kg	0.00158 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
20	fluoranthene 205-912-4 206-44-0				0.31 mg/kg		0.31 mg/kg	0.000031 %			
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	28 mg/kg		28 mg/kg	0.0028 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				5 mg/kg	1.579	7.897 mg/kg	0.00079 %			
27	pH PH				8.3 pH		8.3 pH	8.3 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
30	pyrene 204-927-3 129-00-0				0.29 mg/kg		0.29 mg/kg	0.000029 %			
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
32	TPH (C6 to C40) petroleum group TPH				22 mg/kg		22 mg/kg	0.0022 %			
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				32 mg/kg	1.245	39.831 mg/kg	0.00398 %			
Total:									0.0145 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0022%)

Classification of sample: TP606

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

Sample details

Sample Name:	LoW Code:	
TP606	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.10 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				9.5 mg/kg	1.32	12.543 mg/kg	0.00125 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				2.9 mg/kg	2.775	8.048 mg/kg	0.000805 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				4.1 mg/kg	13.43	55.063 mg/kg	0.00551 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	1.1 mg/kg	1.285	1.414 mg/kg	0.00011 %		
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				30 mg/kg	1.462	43.847 mg/kg	0.00438 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
16	copper { dicopper oxide; copper (I) oxide }				22	mg/kg	1.126	24.77	mg/kg	0.00248 %		
	029-002-00-X	215-270-7	1317-39-1									
17	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 }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
18	dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
19	ethylbenzene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
20	fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0									
21	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									
22	indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5									
23	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	31	mg/kg		31	mg/kg	0.0031 %		
	082-001-00-6											
24	mercury { mercury dichloride }				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
25	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
26	nickel { nickel dihydroxide }				40	mg/kg	1.579	63.18	mg/kg	0.00632 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27	pH				7.9	pH		7.9	pH	7.9 pH		
			PH									
28	phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8									
29	phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
30	pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0									
31	toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
32	TPH (C6 to C40) petroleum group				18	mg/kg		18	mg/kg	0.0018 %		
			TPH									
33	zinc { zinc oxide }				84	mg/kg	1.245	104.556	mg/kg	0.0105 %		
	030-013-00-7	215-222-5	1314-13-2									
Total:										0.0369 %		

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 because Samples are not wet so are unlikely to be flammable.


Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0018%)

Classification of sample: TP606[1]

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

Sample details

Sample Name:	LoW Code:	
TP606[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.60 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.09 mg/kg	2.775	0.25 mg/kg	0.000025 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	9.401 mg/kg	0.00094 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		4.5 mg/kg	1.462	6.577 mg/kg	0.000658 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-048-00-0	205-923-4	218-01-9								
16	copper { dicopper oxide; copper (I) oxide }				3.5 mg/kg	1.126	3.941 mg/kg	0.000394 %			
	029-002-00-X	215-270-7	1317-39-1								
17	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
	006-007-00-5										
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-041-00-2	200-181-8	53-70-3								
19	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
20	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-912-4	206-44-0								
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-695-5	86-73-7								
22	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-893-2	193-39-5								
23	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	1.9 mg/kg		1.9 mg/kg	0.00019 %			
	082-001-00-6										
24	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
	080-010-00-X	231-299-8	7487-94-7								
25	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
26	nickel { nickel dihydroxide }				3.9 mg/kg	1.579	6.16 mg/kg	0.000616 %			
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
27	pH				8.8 pH		8.8 pH	8.8 pH			
			PH								
28	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-581-5	85-01-8								
29	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
	604-001-00-2	203-632-7	108-95-2								
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-927-3	129-00-0								
31	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
	601-021-00-3	203-625-9	108-88-3								
32	zinc { zinc oxide }				8.6 mg/kg	1.245	10.705 mg/kg	0.00107 %			
	030-013-00-7	215-222-5	1314-13-2								
								Total:	0.00469 %		

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: TP607

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

Sample details

Sample Name:	LoW Code:	
TP607	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	15 mg/kg	1.32	19.805 mg/kg	0.00198 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.55 mg/kg		0.55 mg/kg	0.000055 %			
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.56 mg/kg		0.56 mg/kg	0.000056 %			
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.71 mg/kg		0.71 mg/kg	0.000071 %			
8	benzo[ghi]perylene	205-883-8	191-24-2		0.4 mg/kg		0.4 mg/kg	0.00004 %			
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.31 mg/kg		0.31 mg/kg	0.000031 %			
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.7 mg/kg	2.775	4.718 mg/kg	0.000472 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		2 mg/kg	13.43	26.86 mg/kg	0.00269 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.5 mg/kg	1.285	0.643 mg/kg	0.00005 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		32 mg/kg	1.462	46.77 mg/kg	0.00468 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene 601-048-00-0 205-923-4 218-01-9				0.49 mg/kg		0.49 mg/kg	0.000049 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				140 mg/kg	1.126	157.624 mg/kg	0.0158 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				0.94 mg/kg		0.94 mg/kg	0.000094 %		
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.27 mg/kg		0.27 mg/kg	0.000027 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	180 mg/kg		180 mg/kg	0.018 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				29 mg/kg	1.579	45.805 mg/kg	0.00458 %		
27	pH PH				7.8 pH		7.8 pH	7.8 pH		
28	phenanthrene 201-581-5 85-01-8				0.4 mg/kg		0.4 mg/kg	0.00004 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				0.82 mg/kg		0.82 mg/kg	0.000082 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				13 mg/kg		13 mg/kg	0.0013 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				150 mg/kg	1.245	186.707 mg/kg	0.0187 %		
Total:								0.0693 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0013%)

Classification of sample: TP607[1]

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

Sample details

Sample Name:	LoW Code:	
TP607[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.80 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				23 mg/kg	1.32	30.367 mg/kg	0.00304 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				14 mg/kg	2.775	38.855 mg/kg	0.00389 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				2.5 mg/kg	13.43	33.575 mg/kg	0.00336 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	0.5 mg/kg	1.285	0.643 mg/kg	0.00005 %		
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				73 mg/kg	1.462	106.694 mg/kg	0.0107 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				47 mg/kg	1.126	52.917 mg/kg	0.00529 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	25 mg/kg		25 mg/kg	0.0025 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				99 mg/kg	1.579	156.37 mg/kg	0.0156 %			
27	pH PH				8 pH		8 pH	8pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				140 mg/kg	1.245	174.26 mg/kg	0.0174 %			
								Total:	0.0625 %		

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: TP608

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

Sample details

Sample Name:	LoW Code:	
TP608	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.30 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				0.45 mg/kg		0.45 mg/kg	0.000045 %		
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				10 mg/kg	1.32	13.203 mg/kg	0.00132 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				2.5 mg/kg		2.5 mg/kg	0.00025 %		
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				3.2 mg/kg		3.2 mg/kg	0.00032 %		
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				3.7 mg/kg		3.7 mg/kg	0.00037 %		
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				1.9 mg/kg		1.9 mg/kg	0.00019 %		
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				0.72 mg/kg	2.775	1.998 mg/kg	0.0002 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				1.7 mg/kg	13.43	22.831 mg/kg	0.00228 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	0.3 mg/kg	1.285	0.386 mg/kg	0.00003 %		
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				19 mg/kg	1.462	27.77 mg/kg	0.00278 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				2.5	mg/kg		2.5	mg/kg	0.00025 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				45	mg/kg	1.126	50.665	mg/kg	0.00507 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.47	mg/kg		0.47	mg/kg	0.000047 %		
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				4.9	mg/kg		4.9	mg/kg	0.00049 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				1.7	mg/kg		1.7	mg/kg	0.00017 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	130	mg/kg		130	mg/kg	0.013 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				15	mg/kg	1.579	23.692	mg/kg	0.00237 %		
27	pH PH				7.8	pH		7.8	pH	7.8 pH		
28	phenanthrene 201-581-5 85-01-8				2.2	mg/kg		2.2	mg/kg	0.00022 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				4.4	mg/kg		4.4	mg/kg	0.00044 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				214	mg/kg		214	mg/kg	0.0214 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				290	mg/kg	1.245	360.967	mg/kg	0.0361 %		
Total:										0.0881 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0214%)

Classification of sample: TP608[1]

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

Sample details

Sample Name:	LoW Code:	
TP608[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	9.5 mg/kg	1.32	12.543 mg/kg	0.00125 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.3 mg/kg	2.775	6.383 mg/kg	0.000638 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.2 mg/kg	13.43	16.116 mg/kg	0.00161 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.5 mg/kg	1.285	0.643 mg/kg	0.00005 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		37 mg/kg	1.462	54.078 mg/kg	0.00541 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				26 mg/kg	1.126	29.273 mg/kg	0.00293 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	18 mg/kg		18 mg/kg	0.0018 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				39 mg/kg	1.579	61.6 mg/kg	0.00616 %			
27	pH PH				7.7 pH		7.7 pH	7.7 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				67 mg/kg	1.245	83.396 mg/kg	0.00834 %			
Total:									0.0288 %		

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: TP609

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

Sample details

Sample Name:	LoW Code:	
TP609	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	8.7 mg/kg	1.32	11.487 mg/kg	0.00115 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.48 mg/kg		0.48 mg/kg	0.000048 %			
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.54 mg/kg		0.54 mg/kg	0.000054 %			
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.71 mg/kg		0.71 mg/kg	0.000071 %			
8	benzo[ghi]perylene	205-883-8	191-24-2		0.41 mg/kg		0.41 mg/kg	0.000041 %			
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.26 mg/kg		0.26 mg/kg	0.000026 %			
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	2.8 mg/kg	2.775	7.771 mg/kg	0.000777 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.8 mg/kg	13.43	24.174 mg/kg	0.00242 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1 mg/kg	1.285	1.285 mg/kg	0.0001 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		25 mg/kg	1.462	36.539 mg/kg	0.00365 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene 601-048-00-0 205-923-4 218-01-9				0.44 mg/kg		0.44 mg/kg	0.000044 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				22 mg/kg	1.126	24.77 mg/kg	0.00248 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				0.81 mg/kg		0.81 mg/kg	0.000081 %		
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.33 mg/kg		0.33 mg/kg	0.000033 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	31 mg/kg		31 mg/kg	0.0031 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				38 mg/kg	1.579	60.021 mg/kg	0.006 %		
27	pH PH				6.9 pH		6.9 pH	6.9 pH		
28	phenanthrene 201-581-5 85-01-8				0.29 mg/kg		0.29 mg/kg	0.000029 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				0.71 mg/kg		0.71 mg/kg	0.000071 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				66.3 mg/kg		66.3 mg/kg	0.00663 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				80 mg/kg	1.245	99.577 mg/kg	0.00996 %		
Total:								0.0374 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00663%)

Classification of sample: TP609[1]

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

Sample details

Sample Name:	LoW Code:	
TP609[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				6.9 mg/kg	1.32	9.11 mg/kg	0.000911 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				1 mg/kg	2.775	2.775 mg/kg	0.000278 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				2.1 mg/kg	13.43	28.203 mg/kg	0.00282 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	0.5 mg/kg	1.285	0.643 mg/kg	0.00005 %		
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				27 mg/kg	1.462	39.462 mg/kg	0.00395 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				20	mg/kg	1.126	22.518	mg/kg	0.00225 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	41	mg/kg		41	mg/kg	0.0041 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				22	mg/kg	1.579	34.749	mg/kg	0.00347 %		
27	pH PH				7.4	pH		7.4	pH	7.4 pH		
28	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				27	mg/kg		27	mg/kg	0.0027 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				54	mg/kg	1.245	67.215	mg/kg	0.00672 %		
Total:										0.0279 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0027%)

Classification of sample: TP610

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

Sample details

Sample Name:	LoW Code:	
TP610	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.35 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		0.15 mg/kg		0.15 mg/kg	0.000015 %			
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	8.9 mg/kg	1.32	11.751 mg/kg	0.00118 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.3 mg/kg		1.3 mg/kg	0.00013 %			
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.3 mg/kg		1.3 mg/kg	0.00013 %			
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	1.8 mg/kg		1.8 mg/kg	0.00018 %			
8	benzo[ghi]perylene	205-883-8	191-24-2		0.88 mg/kg		0.88 mg/kg	0.000088 %			
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.73 mg/kg		0.73 mg/kg	0.000073 %			
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1 mg/kg	2.775	2.775 mg/kg	0.000278 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.9 mg/kg	13.43	25.517 mg/kg	0.00255 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		35 mg/kg	1.462	51.154 mg/kg	0.00512 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				1.2	mg/kg		1.2	mg/kg	0.00012 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				41	mg/kg	1.126	46.161	mg/kg	0.00462 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.22	mg/kg		0.22	mg/kg	0.000022 %		
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				2.2	mg/kg		2.2	mg/kg	0.00022 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.72	mg/kg		0.72	mg/kg	0.000072 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	48	mg/kg		48	mg/kg	0.0048 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				25	mg/kg	1.579	39.487	mg/kg	0.00395 %		
27	pH PH				7.5	pH		7.5	pH	7.5 pH		
28	phenanthrene 201-581-5 85-01-8				0.62	mg/kg		0.62	mg/kg	0.000062 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				2	mg/kg		2	mg/kg	0.0002 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				328	mg/kg		328	mg/kg	0.0328 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				190	mg/kg	1.245	236.496	mg/kg	0.0236 %		
Total:										0.0808 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0328%)

Classification of sample: TP611

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

Sample details

Sample Name:	LoW Code:	
TP611	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.10 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		0.61 mg/kg		0.61 mg/kg	0.000061 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	12 mg/kg	1.32	15.844 mg/kg	0.00158 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	2.2 mg/kg		2.2 mg/kg	0.00022 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	2.2 mg/kg		2.2 mg/kg	0.00022 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2.8 mg/kg		2.8 mg/kg	0.00028 %		
8	benzo[ghi]perylene	205-883-8	191-24-2		1.2 mg/kg		1.2 mg/kg	0.00012 %		
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.95 mg/kg		0.95 mg/kg	0.000095 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.75 mg/kg	2.775	2.082 mg/kg	0.000208 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		2.2 mg/kg	13.43	29.546 mg/kg	0.00295 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	2.1 mg/kg	1.285	2.699 mg/kg	0.00021 %		
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		41 mg/kg	1.462	59.924 mg/kg	0.00599 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				2	mg/kg		2	mg/kg	0.0002 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				55	mg/kg	1.126	61.924	mg/kg	0.00619 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.3	mg/kg		0.3	mg/kg	0.00003 %		
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				4.3	mg/kg		4.3	mg/kg	0.00043 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				1	mg/kg		1	mg/kg	0.0001 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	76	mg/kg		76	mg/kg	0.0076 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				20	mg/kg	1.579	31.59	mg/kg	0.00316 %		
27	pH PH				7	pH		7	pH	7pH		
28	phenanthrene 201-581-5 85-01-8				2.2	mg/kg		2.2	mg/kg	0.00022 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				3.8	mg/kg		3.8	mg/kg	0.00038 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				264.5	mg/kg		264.5	mg/kg	0.0265 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				120	mg/kg	1.245	149.366	mg/kg	0.0149 %		
Total:										0.0722 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0265%)

Classification of sample: TP611[1]

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

Sample details

Sample Name:	LoW Code:	
TP611[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.60 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		0.26 mg/kg		0.26 mg/kg	0.000026 %			
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	11 mg/kg	1.32	14.524 mg/kg	0.00145 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.2 mg/kg		1.2 mg/kg	0.00012 %			
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.2 mg/kg		1.2 mg/kg	0.00012 %			
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	1.5 mg/kg		1.5 mg/kg	0.00015 %			
8	benzo[ghi]perylene	205-883-8	191-24-2		0.68 mg/kg		0.68 mg/kg	0.000068 %			
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.65 mg/kg		0.65 mg/kg	0.000065 %			
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.4 mg/kg	2.775	3.885 mg/kg	0.000389 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.8 mg/kg	13.43	24.174 mg/kg	0.00242 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.3 mg/kg	1.285	0.386 mg/kg	0.00003 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		26 mg/kg	1.462	38 mg/kg	0.0038 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				1.2	mg/kg		1.2	mg/kg	0.00012 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				45	mg/kg	1.126	50.665	mg/kg	0.00507 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.21	mg/kg		0.21	mg/kg	0.000021 %		
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				2	mg/kg		2	mg/kg	0.0002 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.57	mg/kg		0.57	mg/kg	0.000057 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	52	mg/kg		52	mg/kg	0.0052 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				32	mg/kg	1.579	50.544	mg/kg	0.00505 %		
27	pH PH				7.8	pH		7.8	pH	7.8 pH		
28	phenanthrene 201-581-5 85-01-8				0.77	mg/kg		0.77	mg/kg	0.000077 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				1.8	mg/kg		1.8	mg/kg	0.00018 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				81.5	mg/kg		81.5	mg/kg	0.00815 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				68	mg/kg	1.245	84.641	mg/kg	0.00846 %		
Total:										0.0418 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00815%)

Classification of sample: TP612

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

Sample details

Sample Name:	LoW Code:	
TP612	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		0.25 mg/kg		0.25 mg/kg	0.000025 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	14 mg/kg	1.32	18.485 mg/kg	0.00185 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.4 mg/kg		1.4 mg/kg	0.00014 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.6 mg/kg		1.6 mg/kg	0.00016 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	1.8 mg/kg		1.8 mg/kg	0.00018 %		
8	benzo[ghi]perylene	205-883-8	191-24-2		1 mg/kg		1 mg/kg	0.0001 %		
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.85 mg/kg		0.85 mg/kg	0.000085 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.1 mg/kg	2.775	3.053 mg/kg	0.000305 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		3.7 mg/kg	13.43	49.691 mg/kg	0.00497 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		31 mg/kg	1.462	45.308 mg/kg	0.00453 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				1.1	mg/kg		1.1	mg/kg	0.00011 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				28	mg/kg	1.126	31.525	mg/kg	0.00315 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.27	mg/kg		0.27	mg/kg	0.000027 %		
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				2.1	mg/kg		2.1	mg/kg	0.00021 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.86	mg/kg		0.86	mg/kg	0.000086 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	56	mg/kg		56	mg/kg	0.0056 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				19	mg/kg	1.579	30.01	mg/kg	0.003 %		
27	pH PH				9.3	pH		9.3	pH	9.3 pH		
28	phenanthrene 201-581-5 85-01-8				0.88	mg/kg		0.88	mg/kg	0.000088 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				2.1	mg/kg		2.1	mg/kg	0.00021 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				230.1	mg/kg		230.1	mg/kg	0.023 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				110	mg/kg	1.245	136.919	mg/kg	0.0137 %		
Total:										0.0621 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.023%)

Classification of sample: TP612[1]

*** Potentially Hazardous Waste**
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample Name:	LoW Code:
TP612[1]	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 or 17 05 03 * (Soil and stones other than those mentioned in 17 05 03 or Soil and stones containing hazardous substances)
0.60 m	

Hazard properties (substances considered hazardous until shown otherwise)

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"

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0522%)

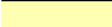




Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		2.5 mg/kg		2.5 mg/kg	0.00025 %		
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		6 mg/kg		6 mg/kg	0.0006 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	12 mg/kg		12 mg/kg	0.0012 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	11 mg/kg		11 mg/kg	0.0011 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	14 mg/kg		14 mg/kg	0.0014 %		
8	benzo[ghi]perylene	205-883-8	191-24-2		5.4 mg/kg		5.4 mg/kg	0.00054 %		
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	3.5 mg/kg		3.5 mg/kg	0.00035 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.5 mg/kg	2.775	1.388 mg/kg	0.000139 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		2.3 mg/kg	13.43	30.889 mg/kg	0.00309 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
12	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				28 mg/kg	1.462	40.924 mg/kg	0.00409 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
15	chrysene				9.4 mg/kg		9.4 mg/kg	0.00094 %		
	601-048-00-0	205-923-4	218-01-9							
16	copper { dicopper oxide; copper (I) oxide }				16 mg/kg	1.126	18.014 mg/kg	0.0018 %		
	029-002-00-X	215-270-7	1317-39-1							
17	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
18	dibenz[a,h]anthracene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
	601-041-00-2	200-181-8	53-70-3							
19	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	fluoranthene				25 mg/kg		25 mg/kg	0.0025 %		
		205-912-4	206-44-0							
21	fluorene				1.9 mg/kg		1.9 mg/kg	0.00019 %		
		201-695-5	86-73-7							
22	indeno[123-cd]pyrene				4.7 mg/kg		4.7 mg/kg	0.00047 %		
		205-893-2	193-39-5							
23	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	16 mg/kg		16 mg/kg	0.0016 %		
	082-001-00-6									
24	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
25	naphthalene				0.36 mg/kg		0.36 mg/kg	0.000036 %		
	601-052-00-2	202-049-5	91-20-3							
26	nickel { nickel dihydroxide }				15 mg/kg	1.579	23.692 mg/kg	0.00237 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
27	pH				8 pH		8 pH	8pH		
			PH							
28	phenanthrene				22 mg/kg		22 mg/kg	0.0022 %		
		201-581-5	85-01-8							
29	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
30	pyrene				21 mg/kg		21 mg/kg	0.0021 %		
		204-927-3	129-00-0							
31	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
32	TPH (C6 to C40) petroleum group				521.7 mg/kg		521.7 mg/kg	0.0522 %		
			TPH							
33	zinc { zinc oxide }				38 mg/kg	1.245	47.299 mg/kg	0.00473 %		
	030-013-00-7	215-222-5	1314-13-2							
Total:								0.086 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Potentially 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

Classification of sample: TP613

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

Sample details

Sample Name:	LoW Code:	
TP613	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.30 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		201-469-6	83-32-9								
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-917-1	208-96-8								
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		204-371-1	120-12-7								
4	arsenic { arsenic trioxide }				9.2 mg/kg	1.32	12.147 mg/kg	0.00121 %			
	033-003-00-0	215-481-4	1327-53-3								
5	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-033-00-9	200-280-6	56-55-3								
6	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-032-00-3	200-028-5	50-32-8								
7	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-034-00-4	205-911-9	205-99-2								
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
		205-883-8	191-24-2								
9	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
	601-036-00-5	205-916-6	207-08-9								
10	beryllium { beryllium oxide }				0.41 mg/kg	2.775	1.138 mg/kg	0.000114 %			
	004-003-00-8	215-133-1	1304-56-9								
11	boron { boron tribromide/trichloride/trifluoride (combined) }				0.5 mg/kg	13.43	6.715 mg/kg	0.000672 %			
			10294-33-4, 10294-34-5, 7637-07-2								
12	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
	048-010-00-4	215-147-8	1306-23-6								
13	chromium in chromium(III) compounds { chromium(III) oxide }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %			
		215-160-9	1308-38-9								
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	
	024-001-00-0	215-607-8	1333-82-0								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
16	copper { dicopper oxide; copper (I) oxide }				7.7 mg/kg	1.126	8.669 mg/kg	0.000867 %		
	029-002-00-X	215-270-7	1317-39-1							
17	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
19	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
23	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	12 mg/kg		12 mg/kg	0.0012 %		
	082-001-00-6									
24	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
25	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
26	nickel { nickel dihydroxide }				12 mg/kg	1.579	18.954 mg/kg	0.0019 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
27	pH				6.9 pH		6.9 pH	6.9 pH		
			PH							
28	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
29	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
32	zinc { zinc oxide }				30 mg/kg	1.245	37.341 mg/kg	0.00373 %		
	030-013-00-7	215-222-5	1314-13-2							
Total:								0.0133 %		

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: TP614

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

Sample details

Sample Name:	LoW Code:	
TP614	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				0.3 mg/kg		0.3 mg/kg	0.00003 %		
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				9.2 mg/kg	1.32	12.147 mg/kg	0.00121 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				1.6 mg/kg		1.6 mg/kg	0.00016 %		
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				2.2 mg/kg		2.2 mg/kg	0.00022 %		
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				0.73 mg/kg		0.73 mg/kg	0.000073 %		
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				0.78 mg/kg	2.775	2.165 mg/kg	0.000216 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				2.4 mg/kg	13.43	32.232 mg/kg	0.00322 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	0.2 mg/kg	1.285	0.257 mg/kg	0.00002 %		
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				24 mg/kg	1.462	35.077 mg/kg	0.00351 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene 601-048-00-0 205-923-4 218-01-9				1.4 mg/kg		1.4 mg/kg	0.00014 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				38 mg/kg	1.126	42.784 mg/kg	0.00428 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
18	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	indeno[123-cd]pyrene 205-893-2 193-39-5				0.89 mg/kg		0.89 mg/kg	0.000089 %		
20	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	110 mg/kg		110 mg/kg	0.011 %		
21	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
22	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				17 mg/kg	1.579	26.851 mg/kg	0.00269 %		
24	pH PH				8.3 pH		8.3 pH	8.3 pH		
25	phenanthrene 201-581-5 85-01-8				1.3 mg/kg		1.3 mg/kg	0.00013 %		
26	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
27	pyrene 204-927-3 129-00-0				2.4 mg/kg		2.4 mg/kg	0.00024 %		
28	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
29	TPH (C6 to C40) petroleum group TPH				145 mg/kg		145 mg/kg	0.0145 %		
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				97 mg/kg	1.245	120.737 mg/kg	0.0121 %		
Total:								0.0546 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0145%)

Classification of sample: TP615

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

Sample details

Sample Name:	LoW Code:	
TP615	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				0.28 mg/kg		0.28 mg/kg	0.000028 %		
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				0.87 mg/kg		0.87 mg/kg	0.000087 %		
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				4 mg/kg		4 mg/kg	0.0004 %		
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				4.9 mg/kg		4.9 mg/kg	0.00049 %		
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				5.6 mg/kg		5.6 mg/kg	0.00056 %		
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				3.4 mg/kg		3.4 mg/kg	0.00034 %		
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				2 mg/kg		2 mg/kg	0.0002 %		
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				0.9 mg/kg	2.775	2.498 mg/kg	0.00025 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				1.5 mg/kg	13.43	20.145 mg/kg	0.00201 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				33 mg/kg	1.462	48.231 mg/kg	0.00482 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				4.3	mg/kg		4.3	mg/kg	0.00043 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	fluorene 201-695-5 86-73-7				0.27	mg/kg		0.27	mg/kg	0.000027 %		
19	indeno[123-cd]pyrene 205-893-2 193-39-5				2.9	mg/kg		2.9	mg/kg	0.00029 %		
20	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	45	mg/kg		45	mg/kg	0.0045 %		
21	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
22	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				22	mg/kg	1.579	34.749	mg/kg	0.00347 %		
24	pH PH				8.1	pH		8.1	pH	8.1 pH		
25	phenanthrene 201-581-5 85-01-8				3.7	mg/kg		3.7	mg/kg	0.00037 %		
26	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
27	pyrene 204-927-3 129-00-0				8.8	mg/kg		8.8	mg/kg	0.00088 %		
28	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
29	TPH (C6 to C40) petroleum group TPH				303.5	mg/kg		303.5	mg/kg	0.0304 %		
30	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				66	mg/kg	1.245	82.151	mg/kg	0.00822 %		
Total:										0.0625 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0304%)

Classification of sample: TP615[1]

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

Sample details

Sample Name:	LoW Code:	
TP615[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.90 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				2.8 mg/kg	1.32	3.697 mg/kg	0.00037 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				0.19 mg/kg		0.19 mg/kg	0.000019 %		
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				0.27 mg/kg		0.27 mg/kg	0.000027 %		
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				0.24 mg/kg		0.24 mg/kg	0.000024 %		
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				0.18 mg/kg		0.18 mg/kg	0.000018 %		
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				0.44 mg/kg	2.775	1.221 mg/kg	0.000122 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				1.2 mg/kg	13.43	16.116 mg/kg	0.00161 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				14 mg/kg	1.462	20.462 mg/kg	0.00205 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				0.2	mg/kg		0.2	mg/kg	0.00002 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				0.5	mg/kg		0.5	mg/kg	0.00005 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	42	mg/kg		42	mg/kg	0.0042 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				10	mg/kg	1.579	15.795	mg/kg	0.00158 %		
27	pH PH				7.8	pH		7.8	pH	7.8 pH		
28	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				0.46	mg/kg		0.46	mg/kg	0.000046 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				39.3	mg/kg		39.3	mg/kg	0.00393 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				39	mg/kg	1.245	48.544	mg/kg	0.00485 %		
Total:										0.0209 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00393%)

Classification of sample: TP616

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

Sample details

Sample Name:	LoW Code:	
TP616	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	15 mg/kg	1.32	19.805 mg/kg	0.00198 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.36 mg/kg		0.36 mg/kg	0.000036 %			
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.39 mg/kg		0.39 mg/kg	0.000039 %			
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.55 mg/kg		0.55 mg/kg	0.000055 %			
8	benzo[ghi]perylene	205-883-8	191-24-2		0.27 mg/kg		0.27 mg/kg	0.000027 %			
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.23 mg/kg		0.23 mg/kg	0.000023 %			
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.93 mg/kg	2.775	2.581 mg/kg	0.000258 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.5 mg/kg	13.43	20.145 mg/kg	0.00201 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.7 mg/kg	1.285	0.9 mg/kg	0.00007 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		59 mg/kg	1.462	86.232 mg/kg	0.00862 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene 601-048-00-0 205-923-4 218-01-9				0.38 mg/kg		0.38 mg/kg	0.000038 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				81 mg/kg	1.126	91.197 mg/kg	0.00912 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				0.63 mg/kg		0.63 mg/kg	0.000063 %		
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.23 mg/kg		0.23 mg/kg	0.000023 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	120 mg/kg		120 mg/kg	0.012 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				21 mg/kg	1.579	33.169 mg/kg	0.00332 %		
27	pH PH				7.1 pH		7.1 pH	7.1 pH		
28	phenanthrene 201-581-5 85-01-8				0.28 mg/kg		0.28 mg/kg	0.000028 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				0.56 mg/kg		0.56 mg/kg	0.000056 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				190 mg/kg	1.245	236.496 mg/kg	0.0236 %		
Total:								0.062 %		

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: TP616[1]

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

Sample details

Sample Name:	LoW Code:	
TP616[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	5.9 mg/kg	1.32	7.79 mg/kg	0.000779 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.84 mg/kg	2.775	2.331 mg/kg	0.000233 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.7 mg/kg	13.43	9.401 mg/kg	0.00094 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		40 mg/kg	1.462	58.462 mg/kg	0.00585 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				12 mg/kg	1.126	13.511 mg/kg	0.00135 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	11 mg/kg		11 mg/kg	0.0011 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				6.7 mg/kg	1.579	10.583 mg/kg	0.00106 %			
27	pH PH				7.7 pH		7.7 pH	7.7 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				12 mg/kg	1.245	14.937 mg/kg	0.00149 %			
Total:									0.0135 %		

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: BH602

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

Sample details

Sample Name:	BH602	LoW Code:	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	0.80 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		0.64 mg/kg		0.64 mg/kg	0.000064 %			
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	6.4 mg/kg	1.32	8.45 mg/kg	0.000845 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	3.4 mg/kg		3.4 mg/kg	0.00034 %			
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	3.7 mg/kg		3.7 mg/kg	0.00037 %			
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	3.5 mg/kg		3.5 mg/kg	0.00035 %			
8	benzo[ghi]perylene	205-883-8	191-24-2		2.6 mg/kg		2.6 mg/kg	0.00026 %			
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	2.3 mg/kg		2.3 mg/kg	0.00023 %			
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.3 mg/kg	2.775	3.608 mg/kg	0.000361 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.5 mg/kg	13.43	20.145 mg/kg	0.00201 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.8 mg/kg	1.285	1.028 mg/kg	0.00008 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		27 mg/kg	1.462	39.462 mg/kg	0.00395 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				3.1	mg/kg		3.1	mg/kg	0.00031 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				47	mg/kg	1.126	52.917	mg/kg	0.00529 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.58	mg/kg		0.58	mg/kg	0.000058 %		
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				6.7	mg/kg		6.7	mg/kg	0.00067 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				2.3	mg/kg		2.3	mg/kg	0.00023 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	73	mg/kg		73	mg/kg	0.0073 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				25	mg/kg	1.579	39.487	mg/kg	0.00395 %		
27	pH PH				8.1	pH		8.1	pH	8.1 pH		
28	phenanthrene 201-581-5 85-01-8				2.9	mg/kg		2.9	mg/kg	0.00029 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				5.8	mg/kg		5.8	mg/kg	0.00058 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				223.9	mg/kg		223.9	mg/kg	0.0224 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				160	mg/kg	1.245	199.154	mg/kg	0.0199 %		
34	asbestos 650-013-00-6 ----- 12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5				20	mg/kg		20	mg/kg	0.002 %		
Total:										0.0724 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0224%)

Classification of sample: BH603[1]

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

Sample details

Sample Name: BH603[1]	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 1.40 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	4.1 mg/kg	1.32	5.413 mg/kg	0.000541 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.79 mg/kg	2.775	2.193 mg/kg	0.000219 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	5.372 mg/kg	0.000537 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		34 mg/kg	1.462	49.693 mg/kg	0.00497 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
15	chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
16	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.126	11.259 mg/kg	0.00113 %		
	029-002-00-X	215-270-7	1317-39-1							
17	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 }				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
	006-007-00-5									
18	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
19	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
20	fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0							
21	fluorene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7							
22	indeno[123-cd]pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5							
23	lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	8 mg/kg		8 mg/kg	0.0008 %		
	082-001-00-6									
24	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
25	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
26	nickel { nickel dihydroxide }				12 mg/kg	1.579	18.954 mg/kg	0.0019 %		
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]							
27	pH				7.6 pH		7.6 pH	7.6 pH		
			PH							
28	phenanthrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8							
29	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
30	pyrene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0							
31	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
32	zinc { zinc oxide }				27 mg/kg	1.245	33.607 mg/kg	0.00336 %		
	030-013-00-7	215-222-5	1314-13-2							
Total:								0.0141 %		

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: BH604[1]

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

Sample details

Sample Name:	LoW Code:	
BH604[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.90 m		

Hazard properties

None identified


Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	8.1 mg/kg	1.32	10.695 mg/kg	0.00107 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1 mg/kg	2.775	2.775 mg/kg	0.000278 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.4 mg/kg	13.43	18.802 mg/kg	0.00188 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		35 mg/kg	1.462	51.154 mg/kg	0.00512 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				15	mg/kg	1.126	16.888	mg/kg	0.00169 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	17	mg/kg		17	mg/kg	0.0017 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				16	mg/kg	1.579	25.272	mg/kg	0.00253 %		
27	pH PH				8.4	pH		8.4	pH	8.4 pH		
28	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				71	mg/kg		71	mg/kg	0.0071 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				40	mg/kg	1.245	49.789	mg/kg	0.00498 %		
Total:										0.027 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

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

Classification of sample: BH604[2]

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

Sample details

Sample Name:	BH604[2]	LoW Code:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	2.30 m	Chapter:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
		Entry:	

Hazard properties

None identified


Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD	
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.97 mg/kg	2.775	2.692 mg/kg	0.000269 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		0.4 mg/kg	13.43	5.372 mg/kg	0.000537 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		39 mg/kg	1.462	57.001 mg/kg	0.0057 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				14 mg/kg	1.126	15.762 mg/kg	0.00158 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	10 mg/kg		10 mg/kg	0.001 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				8.1 mg/kg	1.579	12.794 mg/kg	0.00128 %			
27	pH PH				4.9 pH		4.9 pH	4.9 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				23 mg/kg	1.245	28.628 mg/kg	0.00286 %			
Total:									0.014 %		

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: BH605

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

Sample details

Sample Name: BH605	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0.20 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		0.24 mg/kg		0.24 mg/kg	0.000024 %			
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	11 mg/kg	1.32	14.524 mg/kg	0.00145 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.4 mg/kg		1.4 mg/kg	0.00014 %			
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.6 mg/kg		1.6 mg/kg	0.00016 %			
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	1.6 mg/kg		1.6 mg/kg	0.00016 %			
8	benzo[ghi]perylene	205-883-8	191-24-2		1.1 mg/kg		1.1 mg/kg	0.00011 %			
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.99 mg/kg		0.99 mg/kg	0.000099 %			
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1 mg/kg	2.775	2.775 mg/kg	0.000278 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		2 mg/kg	13.43	26.86 mg/kg	0.00269 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.5 mg/kg	1.285	0.643 mg/kg	0.00005 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		32 mg/kg	1.462	46.77 mg/kg	0.00468 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				1.6	mg/kg		1.6	mg/kg	0.00016 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				42	mg/kg	1.126	47.287	mg/kg	0.00473 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				2.7	mg/kg		2.7	mg/kg	0.00027 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.93	mg/kg		0.93	mg/kg	0.000093 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	120	mg/kg		120	mg/kg	0.012 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				23	mg/kg	1.579	36.328	mg/kg	0.00363 %		
27	pH PH				7.9	pH		7.9	pH	7.9 pH		
28	phenanthrene 201-581-5 85-01-8				1.2	mg/kg		1.2	mg/kg	0.00012 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				2.4	mg/kg		2.4	mg/kg	0.00024 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				39	mg/kg		39	mg/kg	0.0039 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				140	mg/kg	1.245	174.26	mg/kg	0.0174 %		
Total:										0.053 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0039%)

Classification of sample: BH605[1]

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

Sample details

Sample Name: BH605[1]	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 1.00 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				12 mg/kg	1.32	15.844 mg/kg	0.00158 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				1.7 mg/kg	2.775	4.718 mg/kg	0.000472 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				3.3 mg/kg	13.43	44.319 mg/kg	0.00443 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				44 mg/kg	1.462	64.308 mg/kg	0.00643 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				36	mg/kg	1.126	40.532	mg/kg	0.00405 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	21	mg/kg		21	mg/kg	0.0021 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				36	mg/kg	1.579	56.862	mg/kg	0.00569 %		
27	pH PH				8	pH		8	pH	8pH		
28	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				62	mg/kg	1.245	77.172	mg/kg	0.00772 %		
Total:										0.0331 %		

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: BH606

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

Sample details

Sample Name:	LoW Code:	
BH606	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	8.2 mg/kg	1.32	10.827 mg/kg	0.00108 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.16 mg/kg		0.16 mg/kg	0.000016 %			
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.19 mg/kg		0.19 mg/kg	0.000019 %			
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.2 mg/kg		0.2 mg/kg	0.00002 %			
8	benzo[ghi]perylene	205-883-8	191-24-2		0.25 mg/kg		0.25 mg/kg	0.000025 %			
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.19 mg/kg		0.19 mg/kg	0.000019 %			
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.86 mg/kg	2.775	2.387 mg/kg	0.000239 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.4 mg/kg	13.43	18.802 mg/kg	0.00188 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	2.6 mg/kg	1.285	3.342 mg/kg	0.00026 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		25 mg/kg	1.462	36.539 mg/kg	0.00365 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				0.2	mg/kg		0.2	mg/kg	0.00002 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				49	mg/kg	1.126	55.169	mg/kg	0.00552 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				0.35	mg/kg		0.35	mg/kg	0.000035 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.21	mg/kg		0.21	mg/kg	0.000021 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	69	mg/kg		69	mg/kg	0.0069 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				18	mg/kg	1.579	28.431	mg/kg	0.00284 %		
27	pH PH				7.7	pH		7.7	pH	7.7 pH		
28	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				0.29	mg/kg		0.29	mg/kg	0.000029 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				12	mg/kg		12	mg/kg	0.0012 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				150	mg/kg	1.245	186.707	mg/kg	0.0187 %		
34	asbestos 650-013-00-6 ----- 12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5				10	mg/kg		10	mg/kg	0.001 %		
Total:										0.044 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0012%)

Classification of sample: BH606[1]

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

Sample details

Sample Name: BH606[1]	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 1.10 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	9 mg/kg	1.32	11.883 mg/kg	0.00119 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.5 mg/kg	2.775	4.163 mg/kg	0.000416 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.7 mg/kg	13.43	22.831 mg/kg	0.00228 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1 mg/kg	1.285	1.285 mg/kg	0.0001 %			
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		36 mg/kg	1.462	52.616 mg/kg	0.00526 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				23 mg/kg	1.126	25.895 mg/kg	0.00259 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	25 mg/kg		25 mg/kg	0.0025 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				30 mg/kg	1.579	47.385 mg/kg	0.00474 %			
27	pH PH				7.7 pH		7.7 pH	7.7 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				81 mg/kg	1.245	100.822 mg/kg	0.0101 %			
								Total:	0.0298 %		

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: WS603[1]

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

Sample details

Sample Name:	LoW Code:	
WS603[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene	201-469-6	83-32-9		0.28 mg/kg		0.28 mg/kg	0.000028 %		
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		0.55 mg/kg		0.55 mg/kg	0.000055 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	17 mg/kg	1.32	22.446 mg/kg	0.00224 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	1.6 mg/kg		1.6 mg/kg	0.00016 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.6 mg/kg		1.6 mg/kg	0.00016 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	1.5 mg/kg		1.5 mg/kg	0.00015 %		
8	benzo[ghi]perylene	205-883-8	191-24-2		1.2 mg/kg		1.2 mg/kg	0.00012 %		
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	1.2 mg/kg		1.2 mg/kg	0.00012 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.84 mg/kg	2.775	2.331 mg/kg	0.000233 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		2.3 mg/kg	13.43	30.889 mg/kg	0.00309 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	0.4 mg/kg	1.285	0.514 mg/kg	0.00004 %		
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		26 mg/kg	1.462	38 mg/kg	0.0038 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				1.6	mg/kg		1.6	mg/kg	0.00016 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				56	mg/kg	1.126	63.05	mg/kg	0.0063 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				3.1	mg/kg		3.1	mg/kg	0.00031 %		
21	fluorene 201-695-5 86-73-7				0.22	mg/kg		0.22	mg/kg	0.000022 %		
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.91	mg/kg		0.91	mg/kg	0.000091 %		
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	170	mg/kg		170	mg/kg	0.017 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				21	mg/kg	1.579	33.169	mg/kg	0.00332 %		
27	pH PH				9.3	pH		9.3	pH	9.3 pH		
28	phenanthrene 201-581-5 85-01-8				2.5	mg/kg		2.5	mg/kg	0.00025 %		
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				2.6	mg/kg		2.6	mg/kg	0.00026 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				140	mg/kg		140	mg/kg	0.014 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				150	mg/kg	1.245	186.707	mg/kg	0.0187 %		
34	asbestos 650-013-00-6 ----- 12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5				20	mg/kg		20	mg/kg	0.002 %		
Total:										0.0732 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.014%)

Classification of sample: WS604

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

Sample details

Sample Name:	LoW Code:	
WS604	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.30 m		

Hazard properties

None identified


Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				12 mg/kg	1.32	15.844 mg/kg	0.00158 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				0.22 mg/kg		0.22 mg/kg	0.000022 %		
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				0.19 mg/kg		0.19 mg/kg	0.000019 %		
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				0.2 mg/kg		0.2 mg/kg	0.00002 %		
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				0.71 mg/kg	2.775	1.97 mg/kg	0.000197 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				1.5 mg/kg	13.43	20.145 mg/kg	0.00201 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				0.17	mg/kg		0.17	mg/kg	0.000017 %		
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				0.32	mg/kg		0.32	mg/kg	0.000032 %		
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	100	mg/kg		100	mg/kg	0.01 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				17	mg/kg	1.579	26.851	mg/kg	0.00269 %		
27	pH PH				8	pH		8	pH	8pH		
28	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				0.28	mg/kg		0.28	mg/kg	0.000028 %		
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				28	mg/kg		28	mg/kg	0.0028 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				71	mg/kg	1.245	88.375	mg/kg	0.00884 %		
Total:										0.0348 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0028%)

Classification of sample: WS604[1]

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

Sample details

Sample Name:	WS604[1]	LoW Code:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	0.80 m	Chapter:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
		Entry:	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	13 mg/kg	1.32	17.164 mg/kg	0.00172 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1 mg/kg	2.775	2.775 mg/kg	0.000278 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		2.1 mg/kg	13.43	28.203 mg/kg	0.00282 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		43 mg/kg	1.462	62.847 mg/kg	0.00628 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				18 mg/kg	1.126	20.266 mg/kg	0.00203 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	20 mg/kg		20 mg/kg	0.002 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				19 mg/kg	1.579	30.01 mg/kg	0.003 %			
27	pH PH				7.8 pH		7.8 pH	7.8 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	TPH (C6 to C40) petroleum group TPH				16 mg/kg		16 mg/kg	0.0016 %			
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				46 mg/kg	1.245	57.257 mg/kg	0.00573 %			
Total:									0.0261 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0016%)

Classification of sample: WS605[1]

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

Sample details

Sample Name:	LoW Code:	
WS605[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	acenaphthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9							
2	acenaphthylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8							
3	anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7							
4	arsenic { arsenic trioxide }				11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
	033-003-00-0	215-481-4	1327-53-3							
5	benzo[a]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
6	benzo[a]pyrene; benzo[def]chrysene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8							
7	benzo[b]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2							
8	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		205-883-8	191-24-2							
9	benzo[k]fluoranthene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
10	beryllium { beryllium oxide }				1.6 mg/kg	2.775	4.441 mg/kg	0.000444 %		
	004-003-00-8	215-133-1	1304-56-9							
11	boron { boron tribromide/trichloride/trifluoride (combined) }				1.4 mg/kg	13.43	18.802 mg/kg	0.00188 %		
			10294-33-4, 10294-34-5, 7637-07-2							
12	cadmium { cadmium sulfide }			1	0.5 mg/kg	1.285	0.643 mg/kg	0.00005 %		
	048-010-00-4	215-147-8	1306-23-6							
13	chromium in chromium(III) compounds { chromium(III) oxide }				29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
		215-160-9	1308-38-9							
14	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				39	mg/kg	1.126	43.91	mg/kg	0.00439 %		
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
20	fluoranthene 205-912-4 206-44-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
21	fluorene 201-695-5 86-73-7				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	42	mg/kg		42	mg/kg	0.0042 %		
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3	mg/kg	1.353	<0.406	mg/kg	<0.0000406 %		<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				22	mg/kg	1.579	34.749	mg/kg	0.00347 %		
27	pH PH				7.6	pH		7.6	pH	7.6 pH		
28	phenanthrene 201-581-5 85-01-8				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
30	pyrene 204-927-3 129-00-0				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32	TPH (C6 to C40) petroleum group TPH				27.5	mg/kg		27.5	mg/kg	0.00275 %		
33	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				79	mg/kg	1.245	98.332	mg/kg	0.00983 %		
Total:										0.0334 %		

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 because Samples are not wet so are unlikely to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00275%)

Classification of sample: WS606[1]

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

Sample details

Sample Name:	LoW Code:	
WS606[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.60 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	16	mg/kg	1.32	21.125	mg/kg	0.00211 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.9	mg/kg	2.775	5.273	mg/kg	0.000527 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	1.9	mg/kg	13.43	25.517	mg/kg	0.00255 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		47	mg/kg	1.462	68.693	mg/kg	0.00687 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				28 mg/kg	1.126	31.525 mg/kg	0.00315 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	19 mg/kg		19 mg/kg	0.0019 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				28 mg/kg	1.579	44.226 mg/kg	0.00442 %			
27	pH PH				5.1 pH		5.1 pH	5.1 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				78 mg/kg	1.245	97.088 mg/kg	0.00971 %			
Total:									0.0319 %		

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: WS608

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

Sample details

Sample Name:	WS608	LoW Code:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	0.30 m	Chapter:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
		Entry:	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	acenaphthene	201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
2	acenaphthylene	205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
3	anthracene	204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	9.8 mg/kg	1.32	12.939 mg/kg	0.00129 %			
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.2 mg/kg		0.2 mg/kg	0.00002 %			
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.13 mg/kg		0.13 mg/kg	0.000013 %			
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.21 mg/kg		0.21 mg/kg	0.000021 %			
8	benzo[ghi]perylene	205-883-8	191-24-2		0.38 mg/kg		0.38 mg/kg	0.000038 %			
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.15 mg/kg		0.15 mg/kg	0.000015 %			
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.1 mg/kg	2.775	3.053 mg/kg	0.000305 %			
11	boron { boron tribromide/trichloride/trifluoride (combined) }		10294-33-4, 10294-34-5, 7637-07-2		1.2 mg/kg	13.43	16.116 mg/kg	0.00161 %			
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD	
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		25 mg/kg	1.462	36.539 mg/kg	0.00365 %			
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				0.22 mg/kg		0.22 mg/kg	0.000022 %			
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				23 mg/kg	1.126	25.895 mg/kg	0.00259 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				0.4 mg/kg		0.4 mg/kg	0.00004 %			
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				0.25 mg/kg		0.25 mg/kg	0.000025 %			
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	41 mg/kg		41 mg/kg	0.0041 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				27 mg/kg	1.579	42.646 mg/kg	0.00426 %			
27	pH PH				6.1 pH		6.1 pH	6.1 pH			
28	phenanthrene 201-581-5 85-01-8				0.18 mg/kg		0.18 mg/kg	0.000018 %			
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				0.3 mg/kg		0.3 mg/kg	0.00003 %			
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				61 mg/kg	1.245	75.928 mg/kg	0.00759 %			
Total:								0.0263 %			

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: WS608[1]

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

Sample details

Sample Name:	LoW Code:	
WS608[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.70 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	12	mg/kg	1.32	15.844	mg/kg	0.00158 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	1.5	mg/kg	2.775	4.163	mg/kg	0.000416 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	1.7	mg/kg	13.43	22.831	mg/kg	0.00228 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		44	mg/kg	1.462	64.308	mg/kg	0.00643 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				22 mg/kg	1.126	24.77 mg/kg	0.00248 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	21 mg/kg		21 mg/kg	0.0021 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				29 mg/kg	1.579	45.805 mg/kg	0.00458 %			
27	pH PH				6.6 pH		6.6 pH	6.6 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				59 mg/kg	1.245	73.438 mg/kg	0.00734 %			
Total:									0.0279 %		

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: WS610

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

Sample details

Sample Name:	WS610	LoW Code:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	0.15 m	Chapter:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
		Entry:	

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	7.1	mg/kg	1.32	9.374	mg/kg	0.000937 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	0.68	mg/kg	2.775	1.887	mg/kg	0.000189 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.8	mg/kg	13.43	10.744	mg/kg	0.00107 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.3	mg/kg	1.285	0.386	mg/kg	0.00003 %	
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				19 mg/kg	1.126	21.392 mg/kg	0.00214 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	27 mg/kg		27 mg/kg	0.0027 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				18 mg/kg	1.579	28.431 mg/kg	0.00284 %			
27	pH PH				7.8 pH		7.8 pH	7.8 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				50 mg/kg	1.245	62.236 mg/kg	0.00622 %			
Total:									0.0204 %		

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: WS610[1]

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

Sample details

Sample Name:	LoW Code:	
WS610[1]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.80 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	21	mg/kg	1.32	27.727	mg/kg	0.00277 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	3.9	mg/kg	2.775	10.824	mg/kg	0.00108 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.8	mg/kg	13.43	10.744	mg/kg	0.00107 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		54	mg/kg	1.462	78.924	mg/kg	0.00789 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				38 mg/kg	1.126	42.784 mg/kg	0.00428 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD	
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	15 mg/kg		15 mg/kg	0.0015 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %		<LOD	
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				57 mg/kg	1.579	90.031 mg/kg	0.009 %			
27	pH PH				7.6 pH		7.6 pH	7.6 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD	
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD	
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				180 mg/kg	1.245	224.049 mg/kg	0.0224 %			
Total:									0.0507 %		

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: WS610[2]

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

Sample details

Sample Name:	LoW Code:	
WS610[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
2.50 m		

Hazard properties

None identified

Determinands

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

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
2	acenaphthylene	205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	19	mg/kg	1.32	25.086	mg/kg	0.00251 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8	benzo[ghi]perylene	205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9	10	mg/kg	2.775	27.753	mg/kg	0.00278 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2	0.6	mg/kg	13.43	8.058	mg/kg	0.000806 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	16	mg/kg	1.285	20.564	mg/kg	0.0016 %	
13	chromium in chromium(III) compounds { chromium(III) oxide }	215-160-9	1308-38-9		35	mg/kg	1.462	51.154	mg/kg	0.00512 %		
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
15	chrysene 601-048-00-0 205-923-4 218-01-9				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
16	copper { dicopper oxide; copper (I) oxide } 029-002-00-X 215-270-7 1317-39-1				85 mg/kg	1.126	95.701 mg/kg	0.00957 %			
17	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %			<LOD
18	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
19	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
20	fluoranthene 205-912-4 206-44-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
21	fluorene 201-695-5 86-73-7				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
22	indeno[123-cd]pyrene 205-893-2 193-39-5				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
23	lead { lead compounds with the exception of those specified elsewhere in this Annex } 082-001-00-6			1	30 mg/kg		30 mg/kg	0.003 %			
24	mercury { mercury dichloride } 080-010-00-X 231-299-8 7487-94-7				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
25	naphthalene 601-052-00-2 202-049-5 91-20-3				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
26	nickel { nickel dihydroxide } 028-008-00-X 235-008-5 [1] 12054-48-7 [1] 234-348-1 [2] 11113-74-9 [2]				460 mg/kg	1.579	726.57 mg/kg	0.0727 %			
27	pH PH				7.5 pH		7.5 pH	7.5 pH			
28	phenanthrene 201-581-5 85-01-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
29	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
30	pyrene 204-927-3 129-00-0				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
31	toluene 601-021-00-3 203-625-9 108-88-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %			<LOD
32	zinc { zinc oxide } 030-013-00-7 215-222-5 1314-13-2				340 mg/kg	1.245	423.203 mg/kg	0.0423 %			
Total:									0.141 %		

Key

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

Appendix A: Classifier defined and non CLP determinands

- **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: Aquatic Chronic 2 H411 , Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319

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

- **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: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Sens. 1 H317 , Skin Irrit. 2 H315 , STOT SE 3 H335 , Eye Irrit. 2 H319

- **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 Chronic 1 H410 , Aquatic Acute 1 H400

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

Conversion factor: 13.43

Description/Comments: Combines the hazard statements and the average of the conversion factors for boron tribromide, boron trichloride and boron trifluoride

Data source: N/A

Data source date: 06 Aug 2015

Hazard Statements: Skin Corr. 1B H314 , Skin Corr. 1A H314 , Acute Tox. 2 H300 , Acute Tox. 2 H330 , EUH014

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

Conversion factor: 1.462

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

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

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

CLP index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

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

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

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

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

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

CLP index number: 601-023-00-4

Description/Comments:

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

Additional Hazard Statement(s): Carc. 2 H351

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

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

▪ **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: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Acute Tox. 4 H302

▪ **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 Chronic 1 H410 , Aquatic Acute 1 H400

▪ **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

▪ **lead compounds with the exception of those specified elsewhere in this Annex**

CLP index number: 082-001-00-6
Description/Comments: Least-worst case: Lead REACH Consortium considers some lead compounds Carcinogenic category 2B
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s)/Risk Phrase(s):
03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium
www.reach-lead.eu/substanceinformation.html. 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.

▪ **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: Skin Irrit. 2 H315 , Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , Skin Sens. 1 H317 , Carc. 2 H351 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Acute Tox. 4 H302

▪ **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: Aquatic Chronic 1 H410 , Aquatic Acute 1 H400 , STOT SE 3 H335 , Eye Irrit. 2 H319 , Skin Irrit. 2 H315

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Worst case species based on hazard statements

beryllium {beryllium oxide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

cadmium {cadmium sulfide}

Worst case species based on hazard statements

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

Worst case species based on hazard statements

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

Worst case species based on hazard statements

copper {dicopper oxide; copper (I) oxide}

Most likely common species

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

Worst case species

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

Worst case species based on hazard statements

mercury {mercury dichloride}

Worst case species based on hazard statements

nickel {nickel dihydroxide}

Worst case species based on hazard statements

zinc {zinc oxide}

Worst case species based on hazard statements

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018

HazWasteOnline Classification Engine Version: 2019.25.3765.7686 (26 Jan 2019)

HazWasteOnline Database: 2019.25.3765.7686 (26 Jan 2019)

This classification utilises the following guidance and legislation:

WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Appendix I

Hydrock Methodologies

This report uses Hydrock Desk Study and Site Investigation template V46.1.

This appendix provides additional background information on certain approaches and methods used by Hydrock Consultants Limited in the preparation of this report.

The following Hydrock Methodologies apply to this report. These are not included, but are available on request by quoting the methodology reference, revision and date.

Reference	Name	Revision	Date
001	Desk Study	001	30/07/2018
002	Site Investigation	001	30/07/2018
003	Preliminary Geo-environmental Risk Assessment Rationale	001	30/07/2018
004	Preliminary geotechnical Risk Register	001	30/07/2018
005	Generic Risk Assessment for Human Health (Soils)	001	30/07/2018
006	Generic Risk Assessment for Pollution of Controlled Waters	001	30/07/2018
007	Detailed Quantitative Risk Assessment for Risk to Controlled Waters	001	30/07/2018
008	Generic Risk Assessment for Risk to Plants	001	30/07/2018
009	Generic Risk Assessment for Water Supply Pipes	001	30/07/2018
010	Generic Ground Gas Risk Assessment	001	30/07/2018
011	Determination of Contaminated Land Under Part 2A of the Environmental Protection Act 1990	001	30/07/2018
012	Waste Management	001	30/07/2018
013	Materials Management	001	30/07/2018
014	Asbestos in Soils	001	30/07/2018
015	Remediation and Mitigation (New Methodology)	001	30/07/2018
016	Geotechnical Categorization and Characteristic Design Values	001	30/07/2018
017	Foundation and Floor Slab Recommendations - Residential	001	30/07/2018
018	Foundation and Floor Slab Recommendations – Commercial / Distribution	001	30/07/2018
023	Sulphate Recommendations	001	30/07/2018