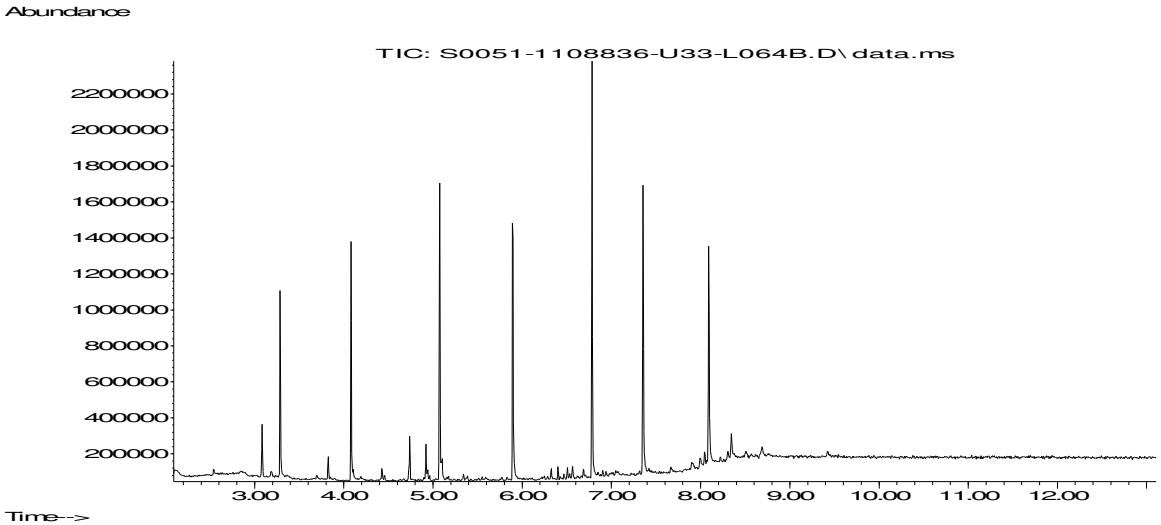
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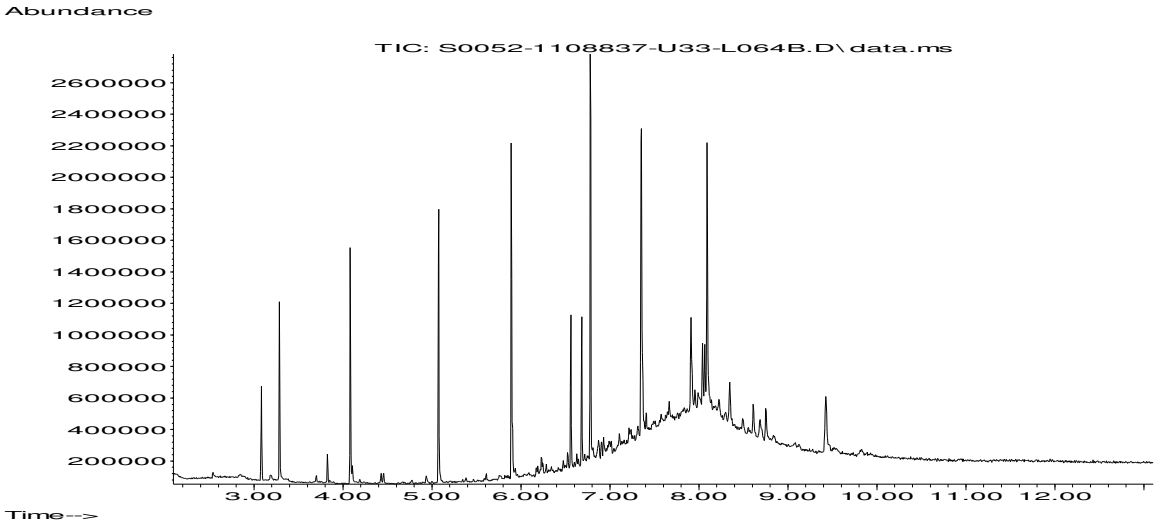
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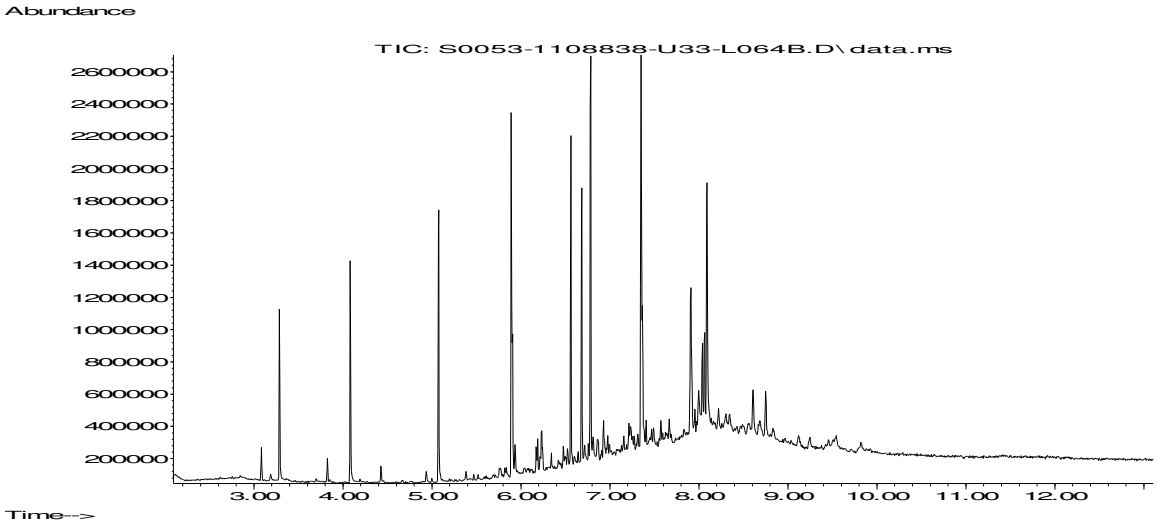
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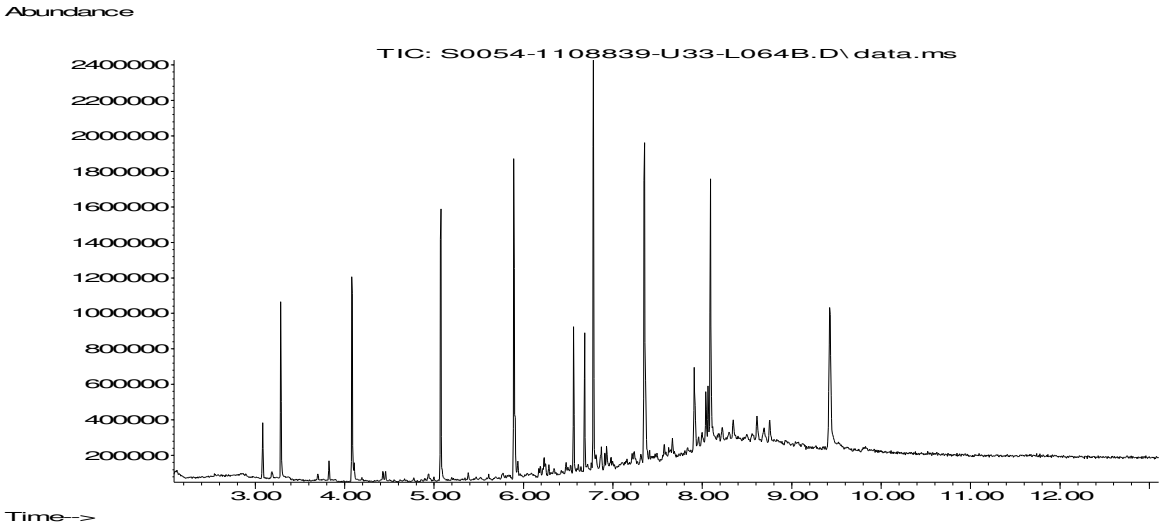
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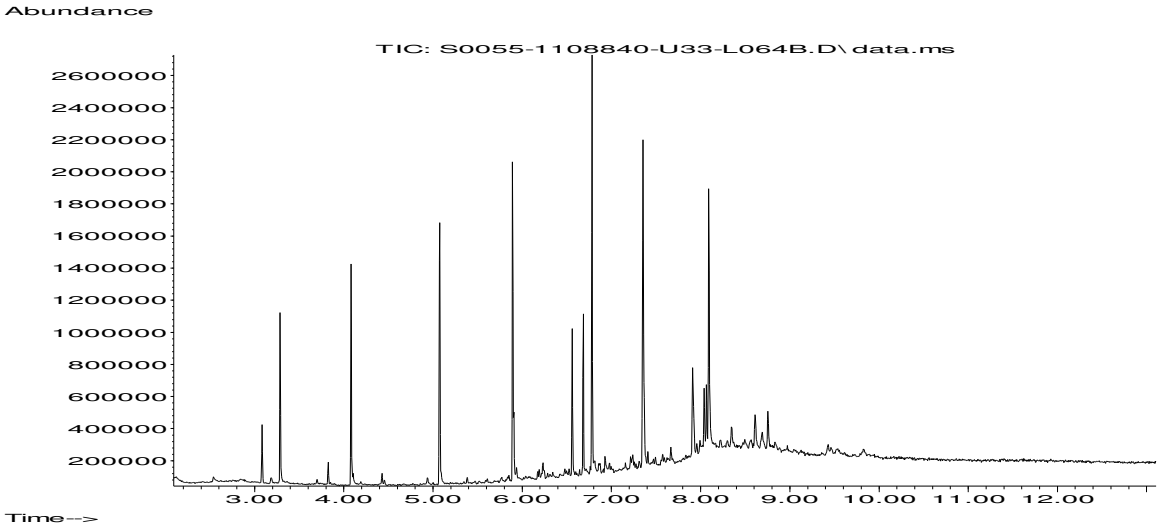
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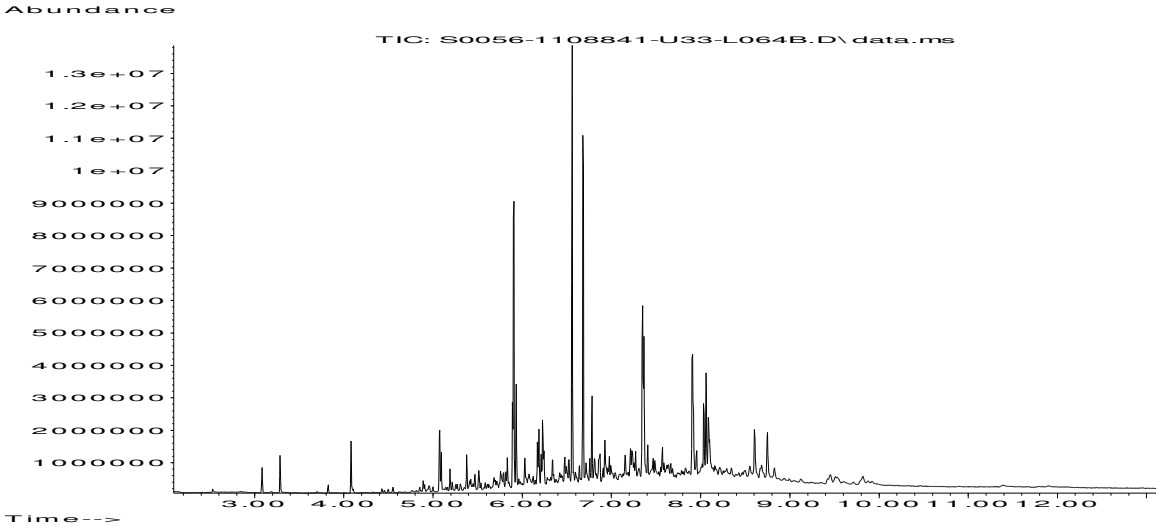
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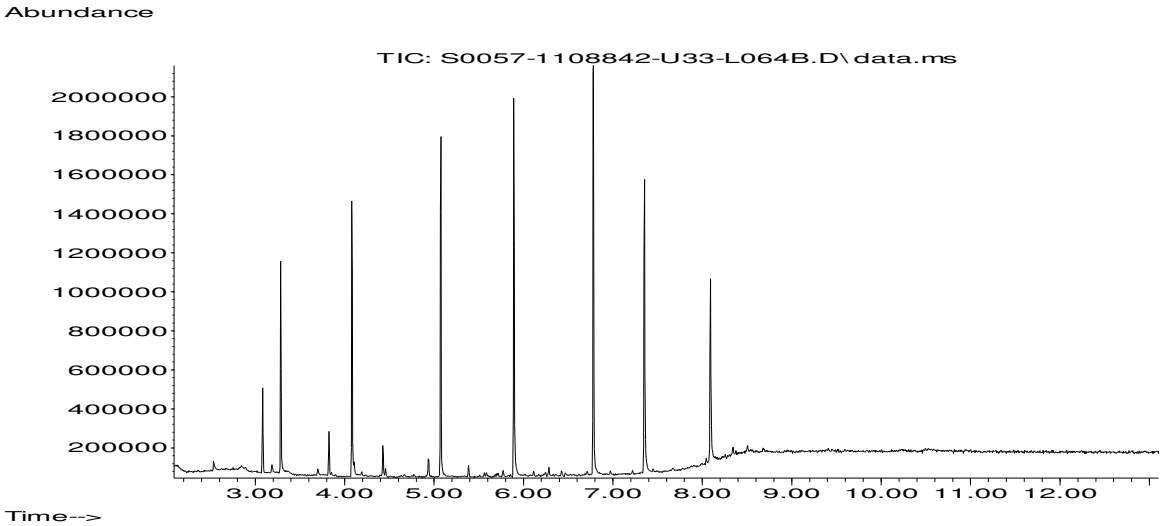
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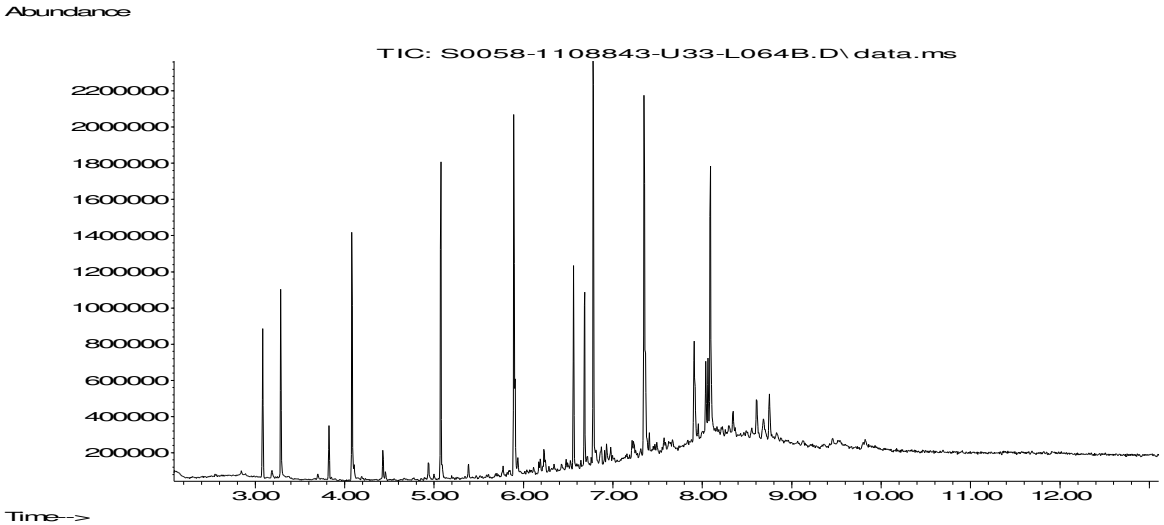
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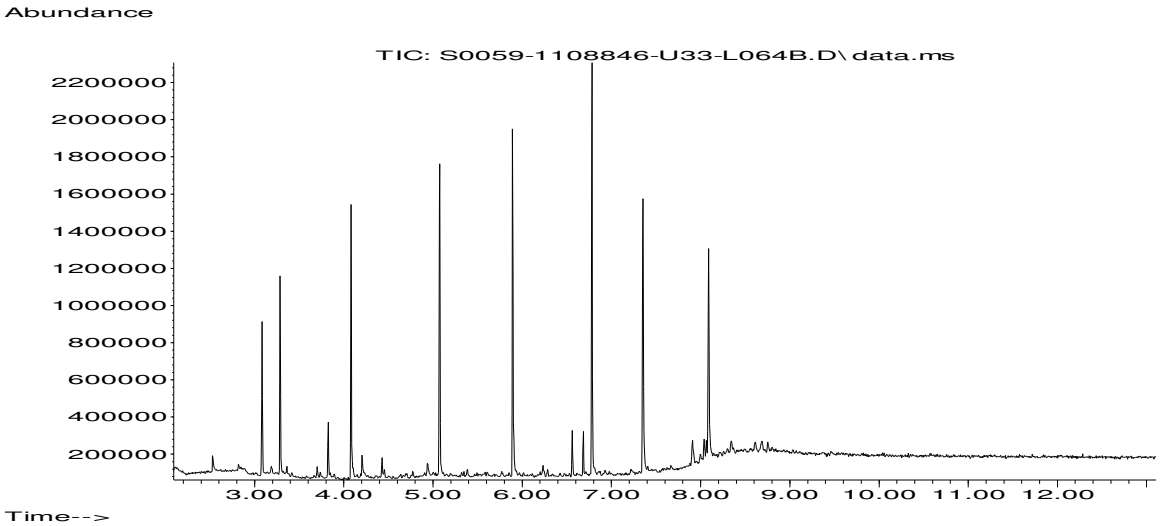
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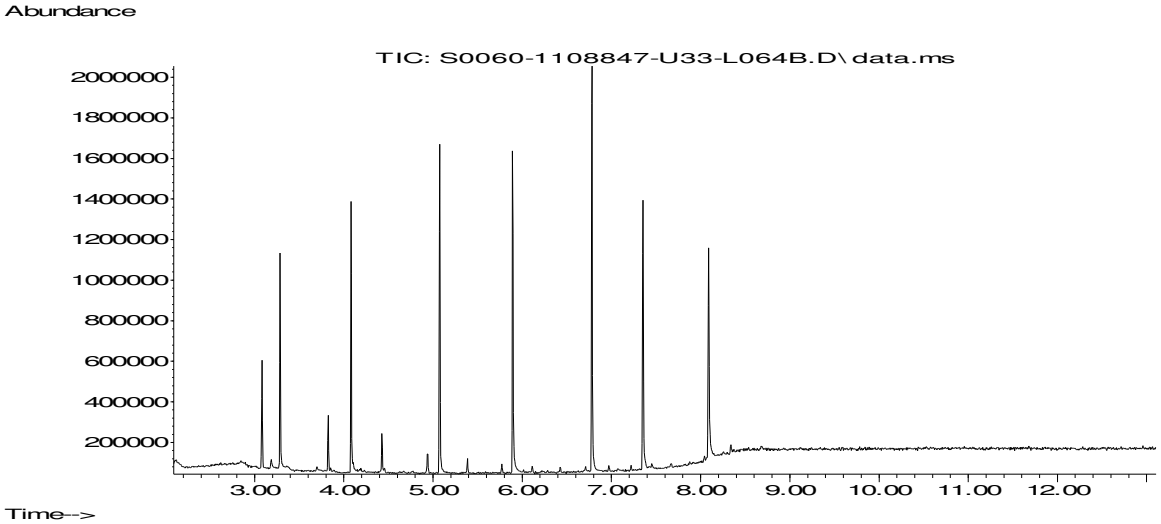
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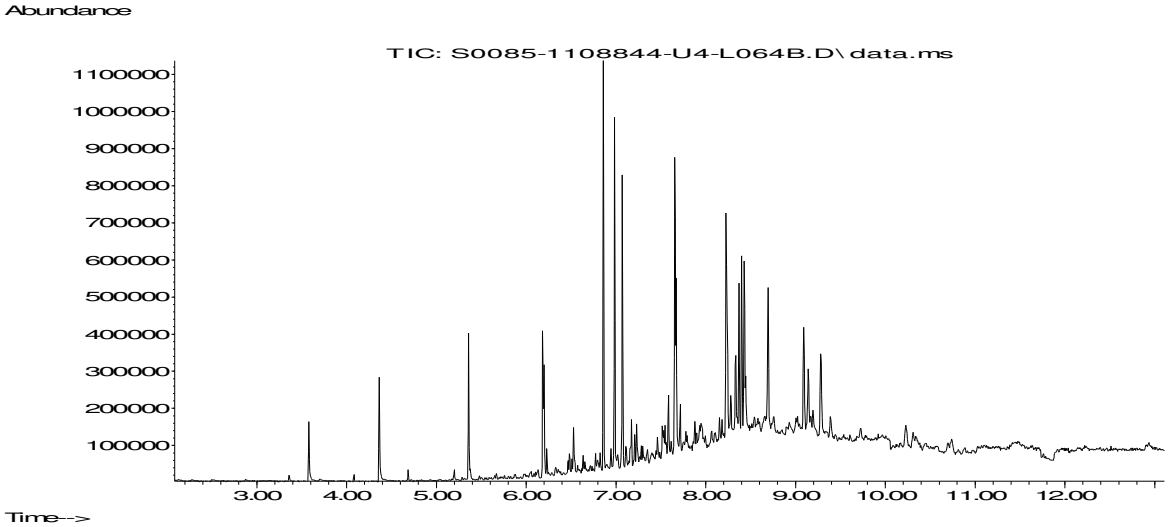
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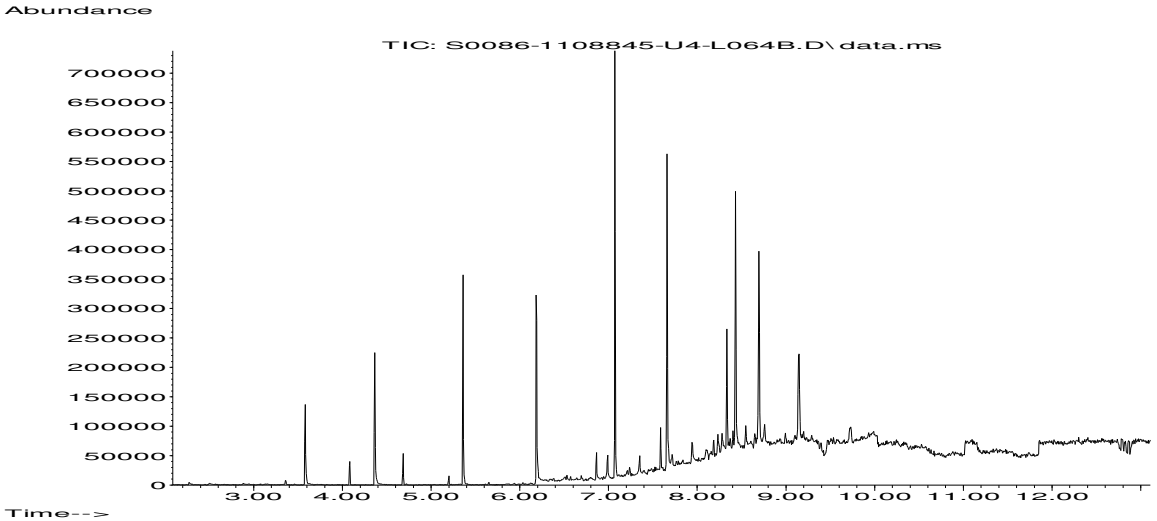
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Analytical Report Number : 18-21358

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		

Signe[redacted]

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

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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
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
Dibenz(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
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								
Benzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/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	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
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
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
Dibenz(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
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	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/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
Dibenz(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

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**					
Monoaromatics								
Benzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/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

Analytical Report Number: 18-21358

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		
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		
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		

Analytical Report Number: 18-21358

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**					
Monoaromatics								
Benzene	ug/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0		
MTBE (Methyl Tertiary Butyl Ether)	µg/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		

Analytical Report Number: 18-21358
Project / Site name: Fort Halstead
Your Order No: POP025916

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.

Analytical Report Number : 18-21358

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 *
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.

Analytical Report Number : 18-21358

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 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 diphenylcarbazide 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

Analytical Report Number : 18-21358

Project / Site name: Fort Halstead

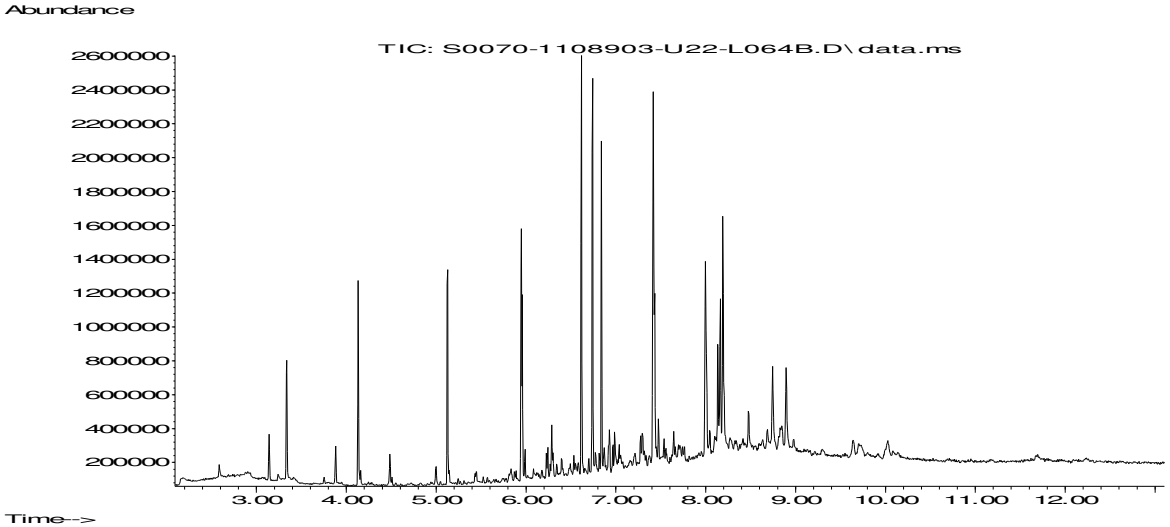
Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

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/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 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			

Key: a - No sampling date b - Incorrect container
c - Holding time d - Headspace e - Temperature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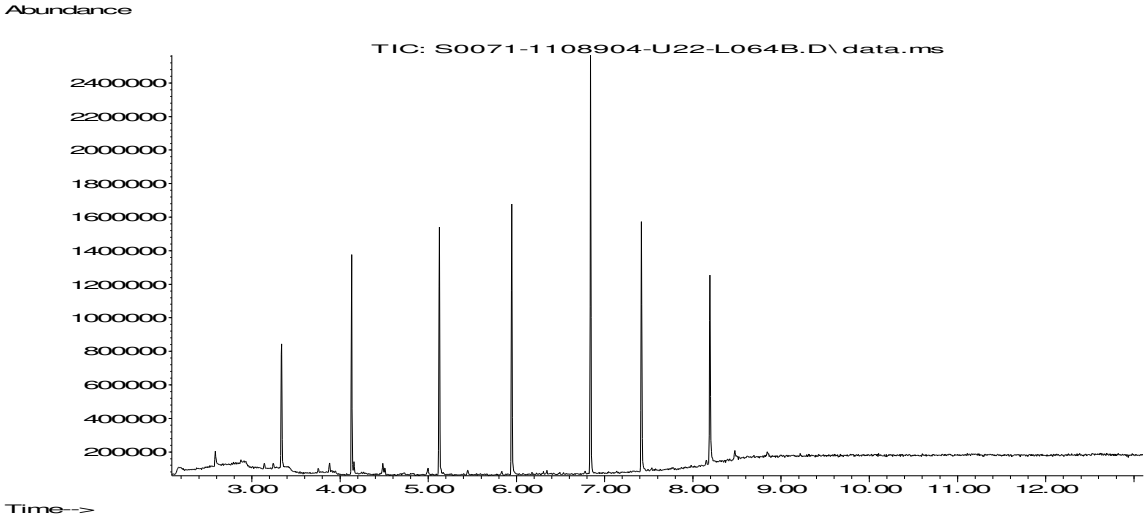
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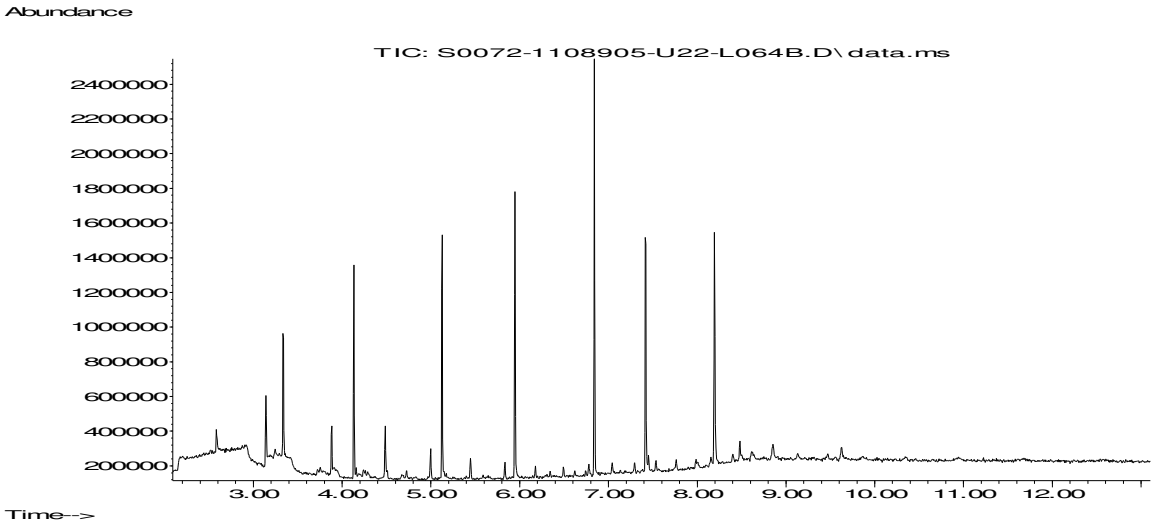
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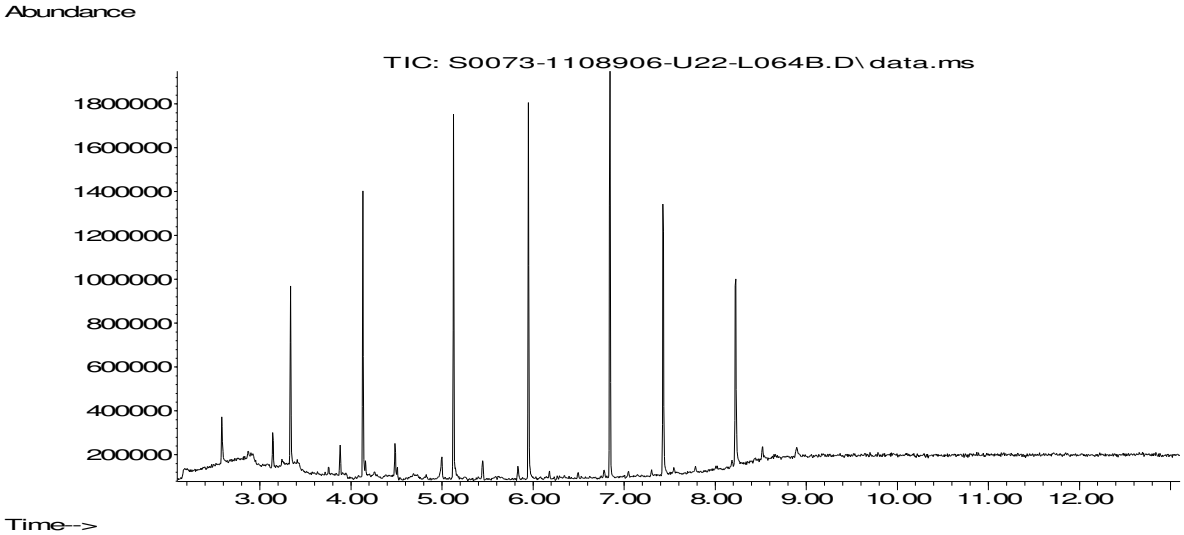
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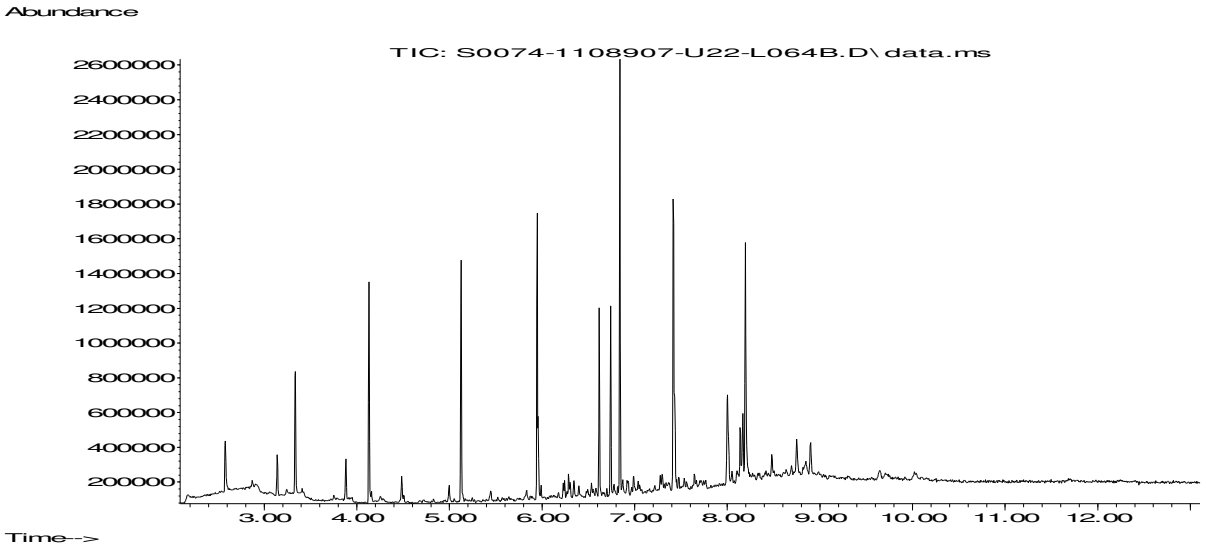
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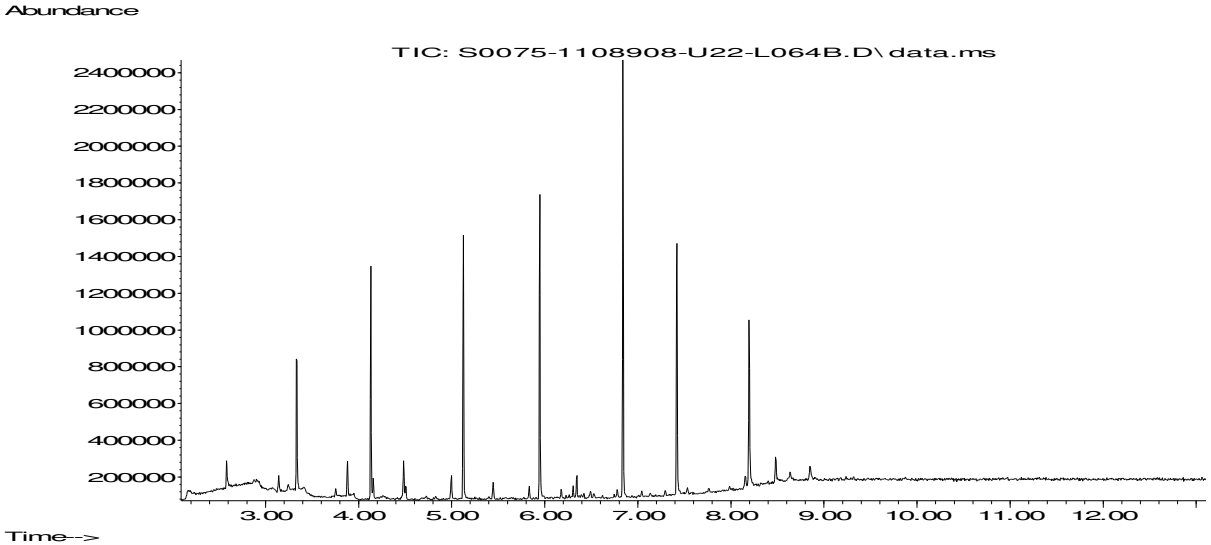
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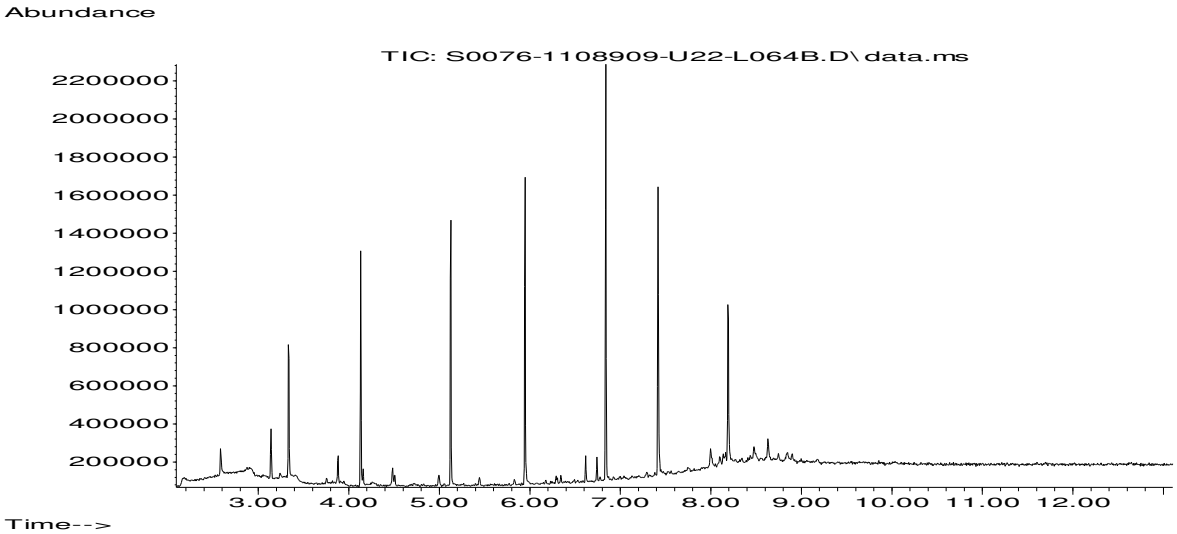
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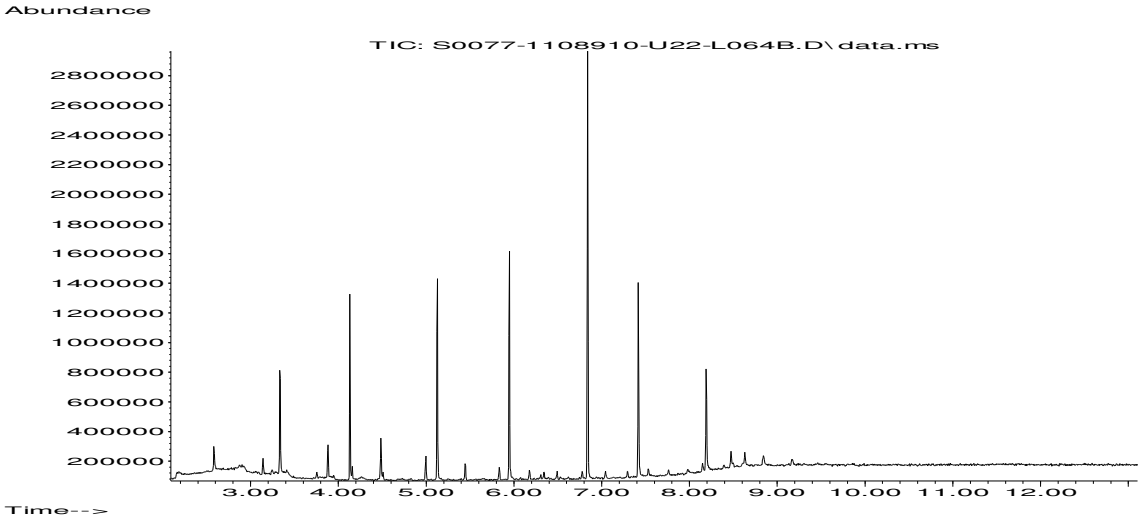
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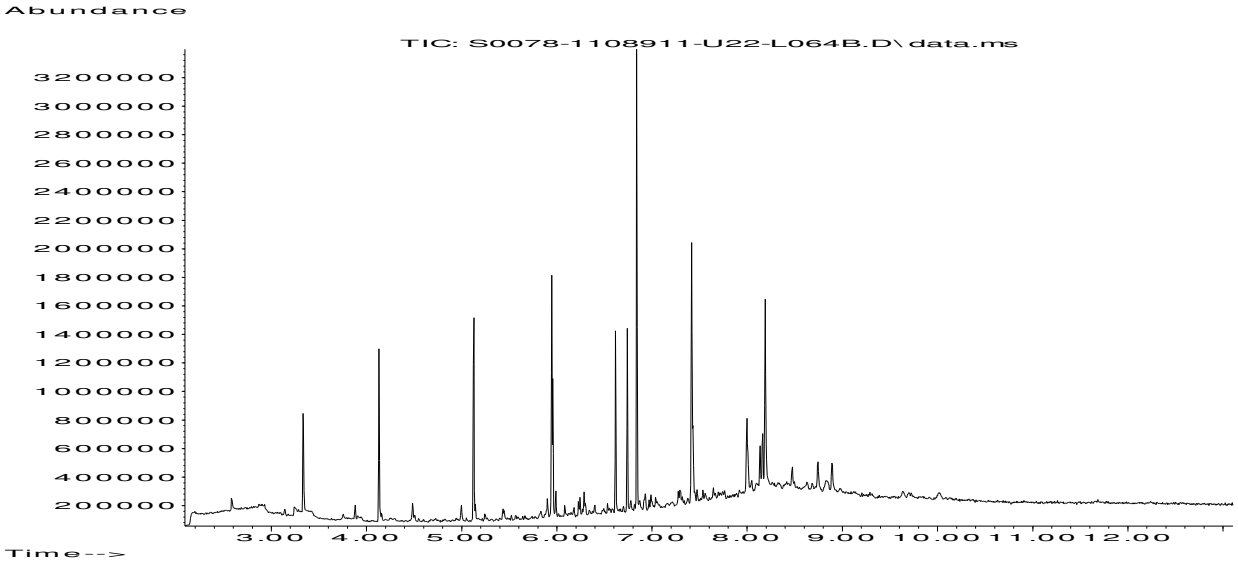
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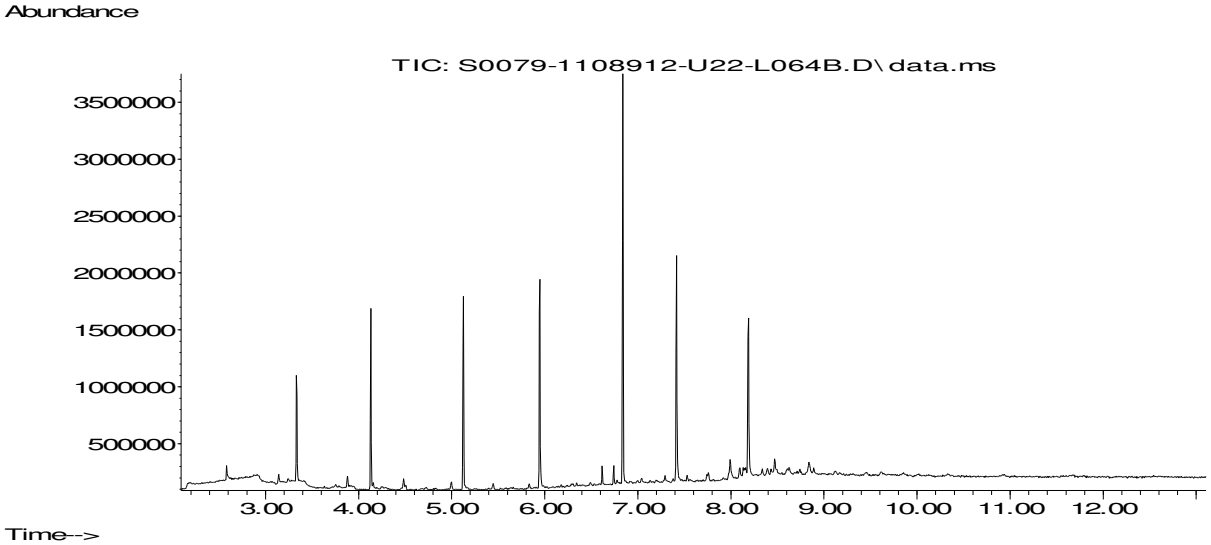
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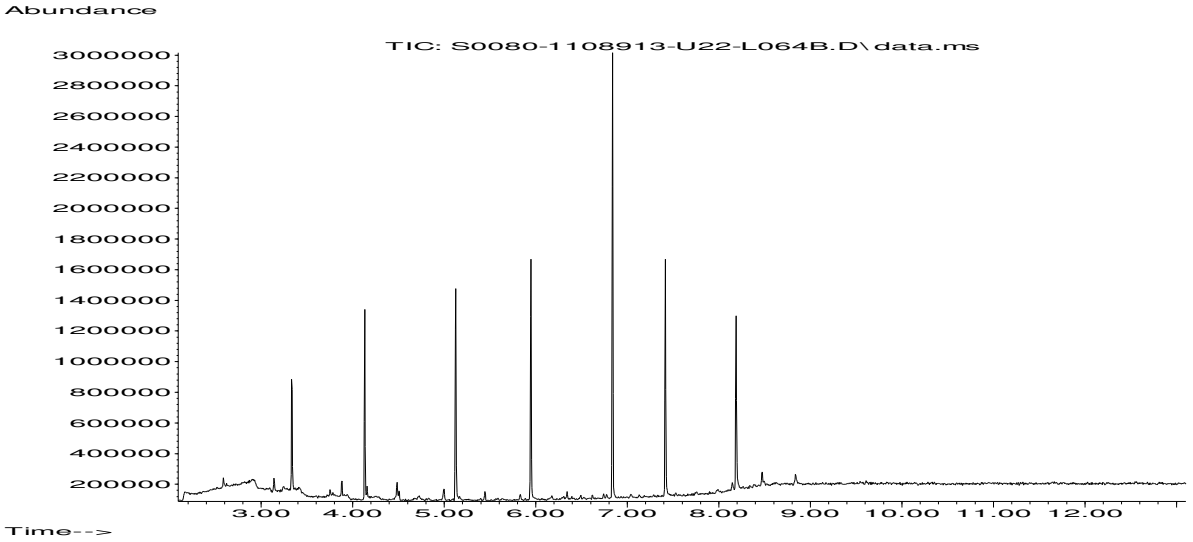
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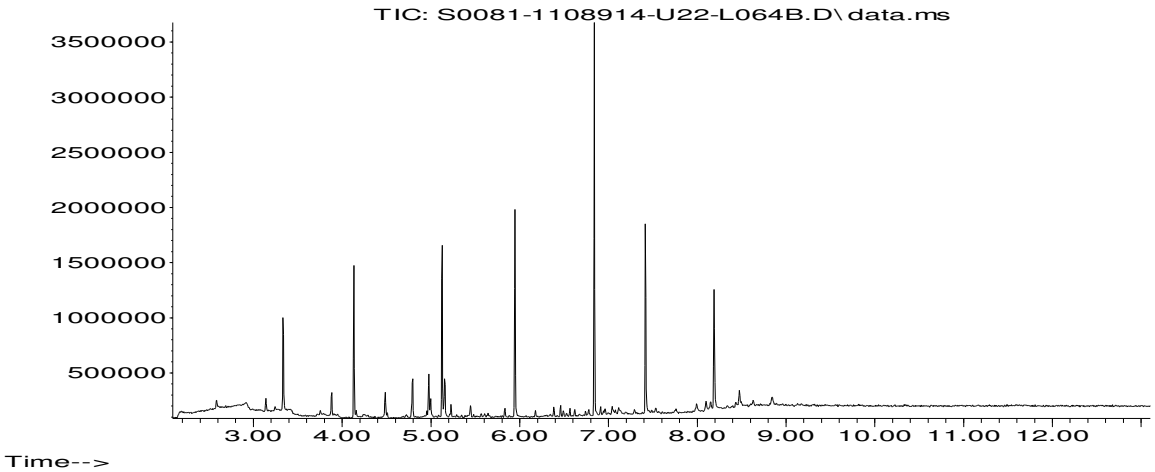
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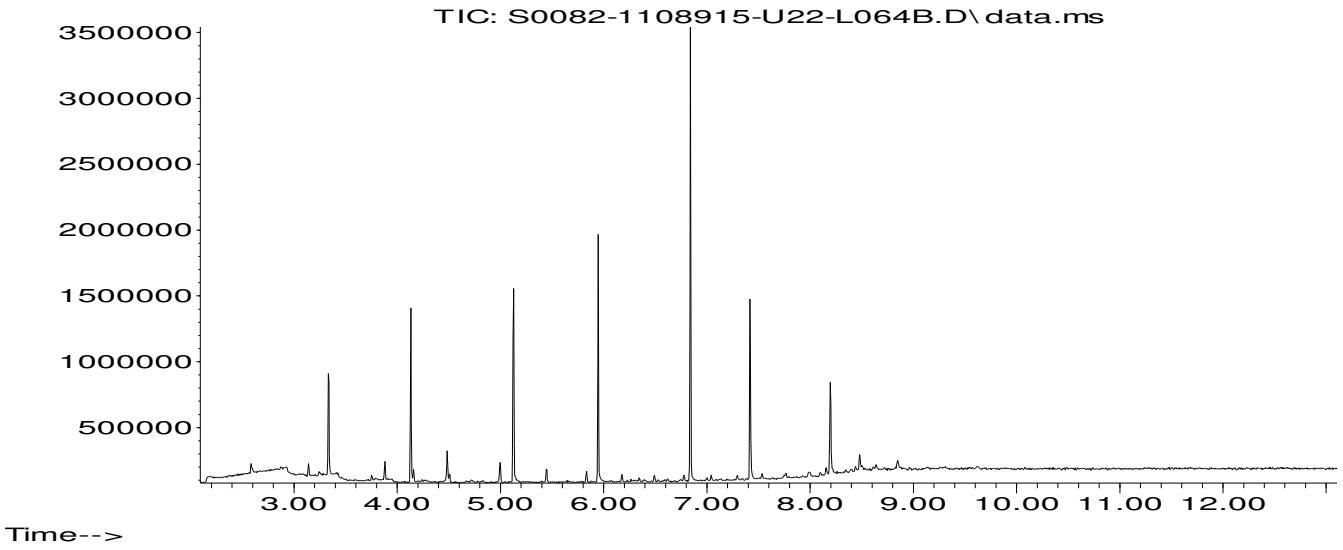
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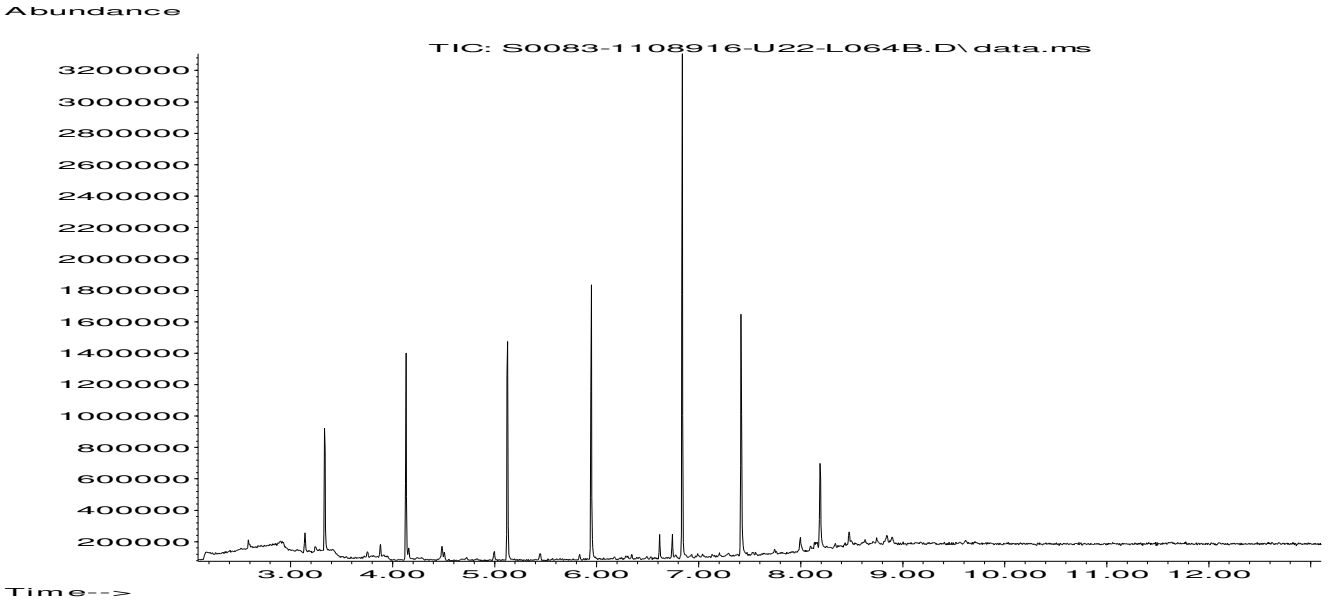
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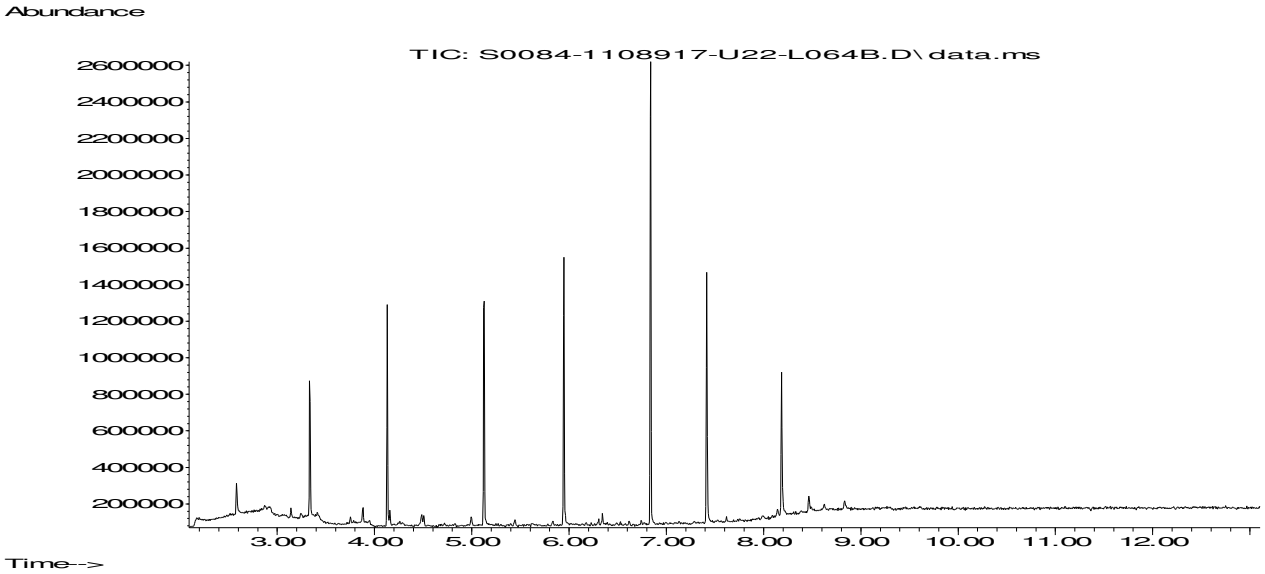
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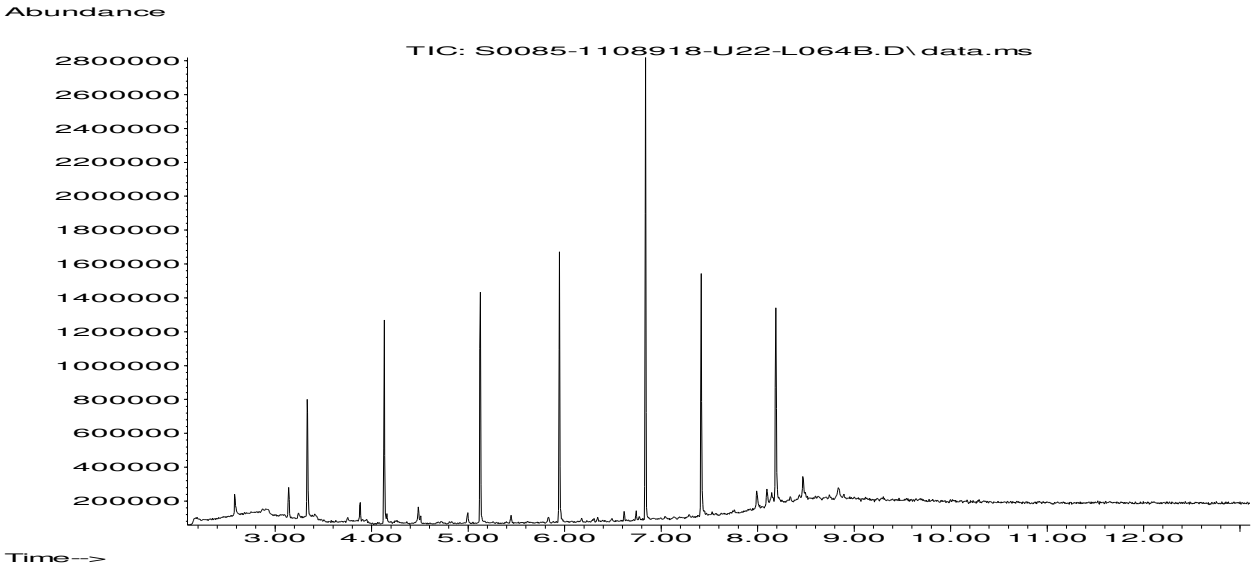
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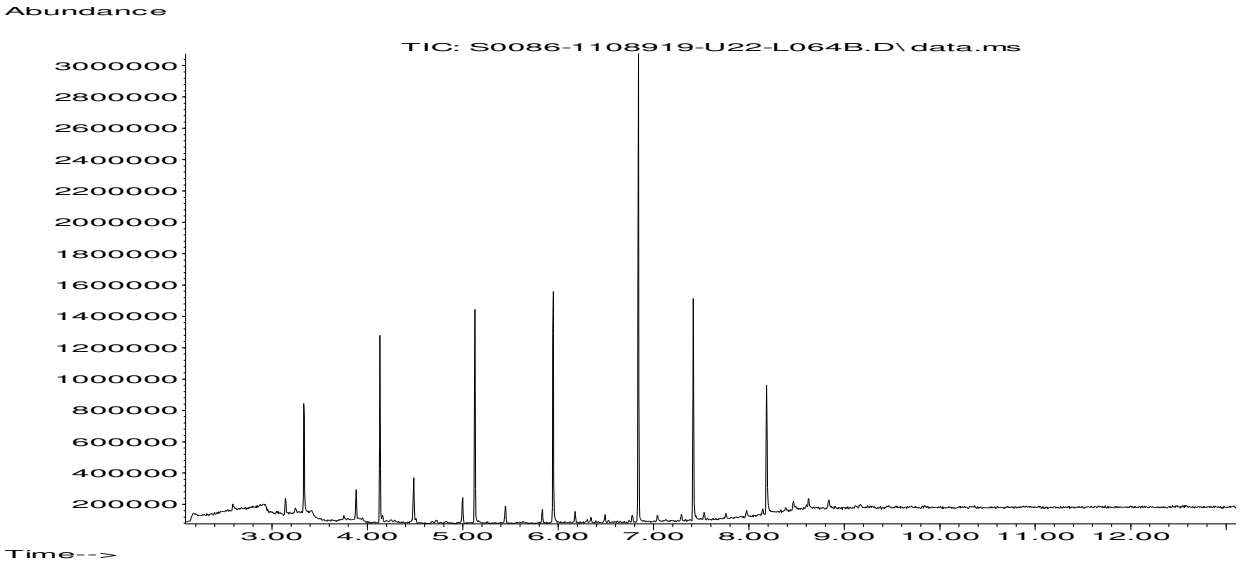
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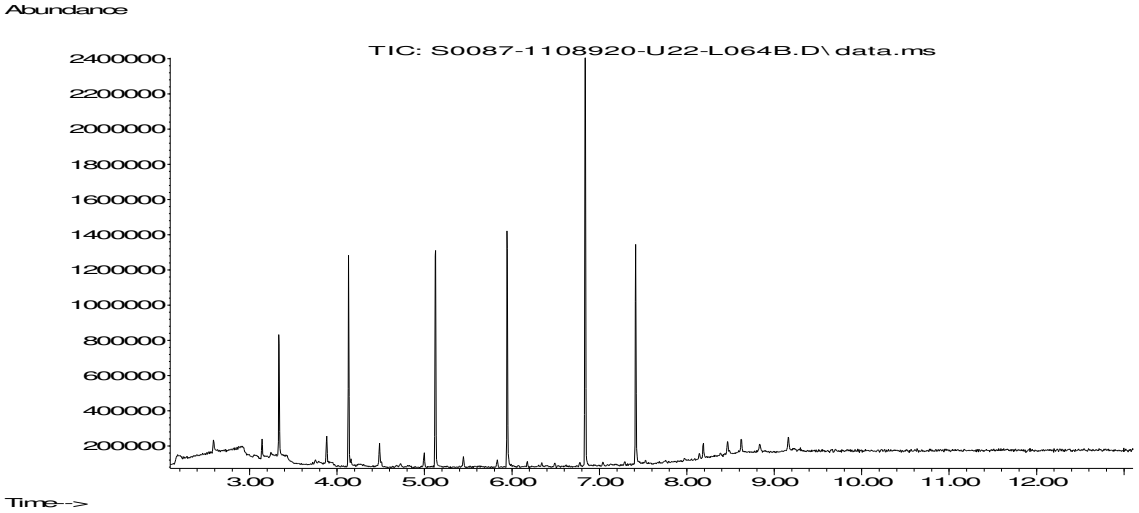
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Wayne Lewis
Hydrock Consultants Ltd
2-4 Hawthorne Park
Holdenby Road
Spratton
Northamptonshire
NN6 8LD

t: 01604842888
f: 01604842666
e: waynelewis@hydrock.com

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

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: [redacted]

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	-
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	-
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	-
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								
Benzene	ug/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Toluene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
o-xylene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/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 disperion 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 diphenylcarbazide 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

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 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

Key: a - No sampling date b - Incorrect container
c - Holding time d - Headspace e - Temperature

BAE Systems
Properties Ltd
10-11 Adlington South
Business Park
Adlington
Lancashire
PR7 4JR, England
Telephone: 03300 488680

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 : [redacted]

Mr D.C. Poole
Laboratory manager

Mr P.D. Hart
Senior Analyst

UKAS TESTING 1764

mCERTS

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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); Pentaeryhritol 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

Hydrock

							Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	MG	Nat	Nat
	All values in mg/kg unless otherwise stated						Location & Depth	2M2	TP608	TP608	TP532	TP532	TP532	TP565	TP565	TP566	TP566	TP566	TP557	TP558	TP558	TP559
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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	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	N	Y	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

Hydrock

							Soil Type	Nat	MG	MG	MG	MG	Nat	MG	Nat	Nat	Nat	MG	MG	MG	MG	MG	Nat	MG	Nat	MG
	All values in mg/kg unless otherwise stated						Location & Depth	TP559	BH555	TP527	TP553	TP553	TP553	TP515	HD7	HD8	HD5	HD6	2A1	2A1	2A2	6R1	6R1	6R2	2R2	1S3
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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

Hydrock

							Soil Type	Nat	MG	MG	MG	MG	MG	MG	Nat	Nat	Nat	Nat	MG	Nat	Nat	Nat	Nat	MG	MG	MG
	All values in mg/kg unless otherwise stated						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	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

Hydrock

							Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	Nat
	All values in mg/kg unless otherwise stated						Location & Depth	TP610	TP527	TP527	TP531	TP531	TP531	TP553	TP553	TP553
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**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

Hydrock

							Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	MG	Nat	Nat
All values in mg/kg unless otherwise stated							Location & Depth	2M2	TP608	TP608	TP532	TP532	TP532	TP565	TP565	TP566	TP566	TP566	TP557	TP558	TP558	TP559
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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

Hydrock

							Soil Type	Nat	MG	MG	MG	MG	Nat	MG	Nat	Nat	Nat	MG	MG	MG	MG	MG	Nat	MG	Nat	MG
	All values in mg/kg unless otherwise stated						Location & Depth	TP559	BH555	TP527	TP553	TP553	TP553	TP515	HD7	HD8	HD5	HD6	2A1	2A1	2A2	6R1	6R1	6R2	2R2	1S3
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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								

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

Hydrock

							Soil Type	Nat	MG	MG	MG	MG	MG	MG	Nat	Nat	Nat	Nat	MG	Nat	Nat	Nat	Nat	MG	MG	MG
	All values in mg/kg unless otherwise stated						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

Hydrock

							Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	Nat
All values in mg/kg unless otherwise stated							Location & Depth	TP610	TP527	TP527	TP531	TP531	TP531	TP553	TP553	TP553
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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

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 Human Health

Hydrock

						Soil Type	MG	Nat	MG	Nat	MG	Nat	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
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	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
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	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	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	0.1					
Aliphatics >EC10-EC12	0.01	15	1	1	0	48	1	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	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	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	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	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	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	0.1					
Aromatics >EC10-EC12	0.01	15	1	1	0	360	1	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	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	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	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	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					
						Aliphatics >EC6-EC8	0.000	0.000	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					
					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					
						Aliphatics >EC12-EC16	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
						Aliphatics >EC35-EC44	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					
						Aromatics >EC7-EC8	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					
					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					
						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	0.004	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	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	0.002	0.001	0.011	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					
						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					
						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					
						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	0.012	0.000	0.000	0.002	0.006

Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.

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: 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 alues 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

Hydrock

							Soil Type	MG	MG	MG	MG	Nat	Nat
							Location & Depth	HD4	TP610	TP531	TP553	TP553	TP553
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC		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
							Aliphatics >EC6-EC8		0.000	0.001	0.001	0.001	0.001
							Aliphatics >EC8-EC10		0.000	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	0.167	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**

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

Hydrock

						Soil Type	MG	Nat	Nat	MG	Nat	MG	MG	MG	Nat	MG	Nat	Nat	Nat	MG	MG
	All values in mg/kg unless otherwise stated					Location & Depth	BH506	BH506	BH506	BH507	BH507	BH508	BH539	BH500	BH500	BH531	BH531	TP518	TP518	BH524	BH524
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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	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	0.2	1.2	0.5	0.2	0.2	0.2	0.2	1	0.9	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	0.3	0.6	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

Hydrock

							Soil Type	MG	MG	MG	MG	MG	Nat	MG	Nat	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	Nat	Nat	Nat
	All values in mg/kg unless otherwise stated						Location & Depth	BH525	BH525	BH525	BH526	BH526	BH526	TP533	TP533	TP532	TP532	TP532	TP512	TP512	TP565	TP565	TP566	TP566	TP566	TP523
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**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**	**1.00**	**0.40**
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

Hydrock

							Soil Type	Nat	Nat	MG	Nat	Nat	MG	MG	Nat	Nat	Nat	MG	MG	Nat	MG	Nat	MG	MG	Nat	MG
	All values in mg/kg unless otherwise stated						Location & Depth	TP523	TP523	TP524	TP524	TP524	TP526	TP541	TP541	TP541	TP506	BH543	TP519	TP519	TP507	TP507	BH522	BH522	BH522	BH556
								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
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**																				
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

Hydrock

							Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	Nat	Nat	Nat
	All values in mg/kg unless otherwise stated						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	79		8.4	12	1	8	8.7	6.9	11	2.8	4.6	8.1	1	18	13	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
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
Cadmium	0.2	68	0.2	2.7	0	120		0.2	1	1	1	1	0.5	0.2	0.2	0.3	0.2	0.2	1.3	0.7	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
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
Copper	1	68	1	390	0	12000		14	43	1	19	22	20	24	12	11	15	14	240	35	15	19
Lead	2	68	2	460	0	630		41	116	2	112	31	41	45	42	93	17	10	260	63	16	24
Mercury, inorganic	0.3	68	0.3	1.2	0	470		0.4	1	1	1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.2	0.5	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	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
Vanadium	1	66	8.6	130	0	2000		35			48	50	46	59	24	11	51	45	46	62	56	65
Zinc	2	68	12	3900	0	81000		38	114	13	151	80	54	66	39	37	40	23	390	86	63	76
Cyanide (free)	1	65	1	1	0	1600		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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Asbestos identified	Y/N							Y				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
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%
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

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

Hydrock

						Soil Type	MG	Nat	Nat	MG	Nat	MG	MG	MG	Nat	MG	Nat	Nat	Nat	MG	MG
All values in mg/kg unless otherwise stated						Location & Depth	BH506	BH506	BH506	BH507	BH507	BH508	BH539	BH500	BH500	BH531	BH531	TP518	TP518	BH524	BH524
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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

Hydrock

						Soil Type	MG	MG	MG	MG	MG	Nat	MG	Nat	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	Nat	Nat	Nat
	All values in mg/kg unless otherwise stated					Location & Deptl	BH525	BH525	BH525	BH526	BH526	BH526	TP533	TP533	TP532	TP532	TP532	TP512	TP512	TP565	TP565	TP566	TP566	TP566	TP523
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**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**	**1.00**	**0.40**
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

Hydrock

							Soil Type	Nat	Nat	MG	Nat	Nat	MG	MG	Nat	Nat	Nat	MG	MG	Nat	MG	Nat	MG	MG	Nat	MG
	All values in mg/kg unless otherwise stated						Location & Deptl	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

Hydrock

						Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	Nat	Nat	Nat
	All values in mg/kg unless otherwise stated					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

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 Human Health

Hydrock

Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Soil Type	MG	MG	MG	MG	MG	MG	MG	MG	Nat	Nat	MG	MG	MG	Nat	MG
							Location & Depth	HD1	HD2	M3	M4	M8	M9	M10.1	BH506	BH506	BH506	BH508	BH538A	BH538A	BH538A	BH500
								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
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
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
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
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
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
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
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
							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
							Aliphatics >EC8-EC10								0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
							Aliphatics >EC10-EC12 (Considered additive)								0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
							Aliphatics >EC12-EC16 (Considered additive)	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.005	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	0.006	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
							Aromatics EC5-EC7								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
							Aromatics >EC8-EC10 (Considered additive)								0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
							Aromatics >EC10-EC12 (Considered additive)								0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
							Aromatics >EC12-EC16 (Considered additive)	0.003	0.005	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
							Aromatics >EC16-EC21 (Considered additive)	0.002	0.000	0.000	0.000	0.001	0.000	0.000	0.004	0.003	0.003	0.003	0.045	0.011	0.003	0.003
							Aromatics >EC21-EC35 (Considered additive)	0.021	0.001	0.000	0.000	0.002	0.000	0.000	0.004	0.003	0.003	0.006	0.237	0.020	0.003	0.003
							Aromatics >EC35-EC44								0.002	0.002	0.002	0.004	0.029	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**
							Hazard Index for aro>C8-C16								**0.001**	**0.001**	**0.001**	**0.001**	**0.003**	**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**	**0.007**	**0.005**	**0.005**	**0.009**	**0.282**	**0.030**	**0.005**	**0.005**

Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.

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

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 alues 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

Hydrock

						Soil Type	Nat	MG	MG	MG	MG	Nat	Nat	MG	MG	MG	MG	MG	MG	MG	Nat	MG	MG	MG	MG
						All values in mg/kg unless otherwise stated Location & Depth	BH500	BH509	BH509	BH509	BH514	TP518	TP518	BH503	BH524	BH524	BH525	BH525	BH525	TP533	TP533	TP547	TP547	TP547	TP531
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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**
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	3.7	2	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	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	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	1	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	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	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	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	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
						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
						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
						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
						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
						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
						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
						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
						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
						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
						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
						Aromatics >EC12-EC16	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
						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
						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	0.004	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	0.009	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**
						Hazard Index for aro>C8-C16	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.002**	**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**	**0.005**	**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

Hydrock

						Soil Type	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG	MG	MG	Nat	MG	Nat	Nat	MG	MG	Nat	MG
					All values in mg/kg unless otherwise stated	Location & Depth	HP503	TP565	TP565	TP566	TP523	TP523	TP526	TP526	TP530	TP530	TP541	TP541	TP542	TP542	TP506	BH543	TP507	TP507	BH522
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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**	**0.2**	**1.3**	**0.10**
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	3.4	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	8.4	27	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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
					Considered additive	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
					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
					Considered additive	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
						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
						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
						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
						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
					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
					Considered additive	Aromatics >EC10-EC12	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
					Considered additive	Aromatics >EC12-EC16	0.003	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	0.001	0.001	0.000	0.000
						Aromatics >EC16-EC21	0.021	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.018	0.006	0.003	0.003
					Considered additive	Aromatics >EC21-EC35	0.063	0.014	0.003	0.012	0.003	0.003	0.003	0.003	0.014	0.003	0.003	0.003	0.009	0.003	0.003	0.063	0.025	0.005	0.003
						Aromatics >EC35-EC44	0.047	0.009	0.002	0.004	0.002	0.002	0.002	0.002	0.016	0.002	0.002	0.002	0.006	0.002	0.002	0.019	0.017	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**
						Hazard Index for aro>C8-C16	**0.003**	**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**	**0.002**	**0.001**	**0.001**	**0.001**
						Hazard Index for aro>C16-C35	**0.084**	**0.017**	**0.005**	**0.016**	**0.005**	**0.005**	**0.005**	**0.005**	**0.017**	**0.005**	**0.005**	**0.005**	**0.012**	**0.005**	**0.005**	**0.081**	**0.031**	**0.007**	**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

Hydrock

						Soil Type	MG	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	Nat
						All values in mg/kg unless otherwise stated Location & Depth	BH522	BH522	S-WS3	TP609	TP609	TP615	TP615	BH604	BH604	BH604	TP530	TP530
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	0.30	0.80	0.4m	0.2	0.5	0.2	0.9	0.55	0.9	2.3	0.1	0.5
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
						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
					Considered additive	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
					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
					Considered additive	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
						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
						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	0.000	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
						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
					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	0.014	0.003
						Aromatics >EC35-EC44	0.002	0.002		0.004	0.002	0.008	0.003	0.002	0.002	0.002	0.016	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
						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
						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	0.017	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

Hydrock

						Soil Type	MG	MG	Nat	MG	MG	Nat	MG	MG	Nat	Nat	Nat	Nat	MG	MG	MG
	All values in mg/kg unless otherwise stated					Location & Depth	1A1	1A1	1A1	1A2	1A2	1A2	1A3	1A6	1A3	1A3	1A4	1A4	1A5	1A5	2A3
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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**
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

Hydrock

						Soil Type	MG	Nat	MG	Nat	Nat	MG	MG	Nat	MG	MG	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG
	All values in mg/kg unless otherwise stated					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**	**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	1.9	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
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%	2.07%	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

Hydrock

						Soil Type	Nat	Nat	MG	Nat	Nat	MG	MG	MG	MG	MG	MG	MG	MG	Nat	MG	Nat	Nat	Nat	Nat
	All values in mg/kg unless otherwise stated					Location & Depth	TP537	TP537	BH533	BH533	BH534	WS603	TP603	TP603	TP603	BH537	BH537	BH537	BH523	BH523	BH536	BH536	BH536	BH536	BH513
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**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

Hydrock

						Soil Type	Nat	Nat	Nat	Nat	MG	Nat	Nat	MG	Nat	MG	Nat	Nat	MG	Nat	Nat	Nat	MG	Nat	Nat
	All values in mg/kg unless otherwise stated					Location & Deptl	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	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

Hydrock

							Soil Type	Nat	MG	Nat	MG	MG
	All values in mg/kg unless otherwise stated						Location & Depth	BH541	BH542	BH542	BH529	WS608
Chemical of Potential Concern	**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

Hydrock

							Soil Type	MG	MG	Nat	MG	MG	Nat	MG	MG	Nat	Nat	Nat	Nat	MG	MG	MG
	All values in mg/kg unless otherwise stated						Location & Depth	1A1	1A1	1A1	1A2	1A2	1A2	1A3	1A6	1A3	1A3	1A4	1A4	1A5	1A5	2A3
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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**
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

Hydrock

						Soil Type	MG	Nat	MG	Nat	Nat	MG	MG	Nat	MG	MG	MG	MG	Nat	MG	Nat	Nat	MG	Nat	MG
All values in mg/kg unless otherwise stated						Location & Deptl	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**	**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	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
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

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

Hydrock

						Soil Type	Nat	Nat	MG	Nat	Nat	MG	MG	MG	MG	MG	MG	MG	MG	Nat	MG	Nat	Nat	Nat	Nat
	All values in mg/kg unless otherwise stated					Location & Depth	TP537	TP537	BH533	BH533	BH534	WS603	TP603	TP603	TP603	BH537	BH537	BH537	BH523	BH523	BH536	BH536	BH536	BH536	BH513
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**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	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

Hydrock

							Soil Type	Nat	Nat	Nat	Nat	MG	Nat	Nat	MG	Nat	MG	Nat	Nat	MG	Nat	Nat	Nat	MG	Nat	Nat
	All values in mg/kg unless otherwise stated						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

Hydrock

							Soil Type	Nat	MG	Nat	MG	MG
All values in mg/kg unless otherwise stated							Location & Depth	BH541	BH542	BH542	BH529	WS608
Chemical of Potential Concern	**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	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

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 Human Health

Hydrock

						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
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	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
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	0.001	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	0.001	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	0.001	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	1.6	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	7	2	2
Aliphatics >EC16-EC35	0.1	32	0.1	1300	0	1000000	10	10	10	10	10	10	110	57	10	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	0.001	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	0.001	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	0.001	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	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	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
						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
					Considered additive	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
					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	0.033	0.021	0.021
					Considered additive	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	0.292	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				
						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
					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
					Considered additive	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
					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
						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
					Considered additive	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

Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.

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

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 alues 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

Hydrock

						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	0.000						
					Considered additive	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	0.001	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	0.067						
					Considered additive	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	0.792	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
						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	0.003	0.003	0.009	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003						
					Considered additive	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
						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	0.002	0.001	0.000	0.000	0.001	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	0.002	0.013	0.001	0.000	0.016	0.001	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						
						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**	**0.858**						
						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**						
						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**	**0.003**	**0.014**	**0.001**	**0.000**	**0.017**	**0.001**	**0.000**

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

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

							Soil Type	MG	Nat	Nat	Nat	MG	Nat
							All values in mg/kg unless otherwise stated Location & Depth	BH602	WS604	WS604	BH541	BH542	BH542
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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
							Aliphatics >EC6-EC8	0.000	0.000	0.000	0.001	0.001	0.001
						Considered additive	Aliphatics >EC8-EC10	0.000	0.000	0.000	0.001	0.001	0.001
						Considered additive	Aliphatics >EC10-EC12	0.067	0.021	0.021	0.021	0.021	0.021
						Considered additive	Aliphatics >EC12-EC16	0.792	0.083	0.088	0.083	0.083	0.083
							Aliphatics >EC16-EC35				0.000	0.000	0.000
							Aliphatics >EC35-EC44	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
							Aromatics >EC7-EC8	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
						Considered additive	Aromatics >EC10-EC12	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
						Considered additive	Aromatics >EC16-EC21	0.002	0.000	0.000	0.000	0.000	0.000
						Considered additive	Aromatics >EC21-EC35	0.002	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
							Hazard Index for ali>C8-C16	**0.858**	**0.104**	**0.108**	**0.105**	**0.105**	**0.105**
							Hazard Index for aro>C8-C16	**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**

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

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

							Soil Type	Nat	Nat	Nat	Nat	MG	MG	Nat	Nat	Nat	MG	Nat	Nat	Nat	MG	Nat
	All values in mg/kg unless otherwise stated						Location & Depth	2H1	2H1	2H3	2H3	1R4	2S2	2S2	3S1	3S2	S-WS1	S-WS1	S-WS1	S-WS1	S-WS2	S-WS2
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		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	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	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

Hydrock

							Soil Type	Nat	MG	MG	Nat	MG	Nat	MG	Nat	Nat	MG	Nat	MG	Nat	MG	Nat	Nat	MG	MG	MG
	All values in mg/kg unless otherwise stated						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
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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**
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	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	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	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	0.33	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
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

Hydrock

							Soil Type	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	Nat	MG	Nat	MG	MG	MG	Nat	MG	Nat	Nat	MG
	All values in mg/kg unless otherwise stated						Location & Depth	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
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**																				
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	0.3	0.6	0.5	0.3	0.5	0.4	0.6	0.3	0.4	0.5	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	1	3.9	1	1	1	1.1	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	8.3	8	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

Hydrock

						Soil Type	MG	MG	MG	Nat	MG	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	Nat	Nat
	All values in mg/kg unless otherwise stated					Location & Depth	TP539	TP539	TP540	TP540	TP549	TP550	TP550	TP555	TP555	TP534	TP534	TP535	TP535	TP535	TP536	TP536	TP537	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	1.9	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	0.7	0.49	0.1
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	0.41	0.23	0.1
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	0.65	0.36	0.1
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	0.26	0.05	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	0.21	0.25	0.1
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	0.73	0.56	0.05
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	1	0.84	0.1
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	0.24	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	0.05	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

Hydrock

							Soil Type	Nat	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	Nat	MG	Nat	Nat	MG	MG	MG	Nat	Nat
	All values in mg/kg unless otherwise stated						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
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**																				
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	0.2	0.3	0.2	0.8	0.5	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	1.4	1	1	2.1	2.7	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	0.1	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	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	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	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	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	0.1	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	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	0.1	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	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	0.05	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	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	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

Hydrock

						Soil Type	MG	MG	Nat	MG	Nat	Nat	Nat	Nat	Nat	Nat	MG	MG	MG	MG	Nat	Nat	Nat	MG	MG
	All values in mg/kg unless otherwise stated					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	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	0.2	0.5	0.2	1.6	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	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
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	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	0.1	0.19	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	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	0.026	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%	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

Hydrock

							Soil Type	Nat	MG	MG	MG	MG	MG	MG	MG	MG	Nat	MG	Nat	Nat
	All values in mg/kg unless otherwise stated						Location & Deptl	BH538A	RES-HD3	RES-HD1	RES-HD2	RES-HD4	WS607	TP611	TP611	TP616	TP616	WS610	WS610	WS610
								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
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**														
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

Hydrock

							Soil Type	Nat	Nat	Nat	Nat	MG	MG	Nat	Nat	Nat	MG	Nat	Nat	Nat	MG	Nat
	All values in mg/kg unless otherwise stated						Location & Depth	2H1	2H1	2H3	2H3	1R4	2S2	2S2	3S1	3S2	S-WS1	S-WS1	S-WS1	S-WS1	S-WS2	S-WS2
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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																					
pH (su)	7.3																7.53	6.08	4.67	5.19	7.86	5.99

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

Hydrock

							Soil Type	Nat	MG	MG	Nat	MG	Nat	MG	Nat	Nat	MG	Nat	MG	Nat	MG	Nat	Nat	MG	MG	MG
	All values in mg/kg unless otherwise stated						Location & Deptl	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
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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**
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

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

Hydrock

							Soil Type	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	Nat	MG	Nat	MG	MG	MG	Nat	MG	Nat	Nat	MG
	All values in mg/kg unless otherwise stated						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**	**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

Hydrock

							Soil Type	MG	MG	MG	Nat	MG	MG	Nat	MG	Nat	MG	Nat	Nat	MG	Nat	MG	Nat	Nat
	All values in mg/kg unless otherwise stated						Location & Deptl	TP539	TP539	TP540	TP540	TP549	TP550	TP550	TP555	TP555	TP534	TP534	TP535	TP535	TP535	TP536	TP536	TP537	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	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
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

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

Hydrock

						Soil Type	Nat	Nat	MG	Nat	Nat	MG	Nat	MG	MG	Nat	Nat	MG	Nat	Nat	MG	MG	MG	Nat	Nat
	All values in mg/kg unless otherwise stated					Location & Depth	BH606	BH606	TP526	TP526	TP526	TP529	TP529	TP530	TP530	TP530	TP530	TP552	TP552	TP552	WS605	WS608	TP612	TP612	TP613
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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

Hydrock

							Soil Type	MG	MG	Nat	MG	Nat	Nat	Nat	Nat	Nat	Nat	MG	MG	MG	MG	Nat	Nat	Nat	MG	MG
	All values in mg/kg unless otherwise stated						Location & Deptl	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	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
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

Hydrock

							Soil Type	Nat	MG	MG	MG	MG	MG	MG	MG	MG	Nat	MG	Nat	Nat
All values in mg/kg unless otherwise stated							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

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 Human Health

Hydrock

Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	Soil Type	MG	Nat	Nat	Nat	MG	Nat	Nat	MG	MG	Nat	MG	Nat	MG	Nat	Nat
							Location & Depth	S-WS1	S-WS1	S-WS1	S-WS1	S-WS2	S-WS2	S-WS2	S-WS4	S-WS5	S-WS5	S-WS6	S-WS6	S-WS7	S-WS7	S-WS7
							All values in mg/kg unless otherwise stated	0.15m	0.7m	1.6-1.7m	3.6-3.8m	0.1m	0.6m	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
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															
							Aromatics >EC8-EC10															
							Considered additive: 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
							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

Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.

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: 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 alues 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

Hydrock

						Soil Type	MG	MG	MG	Nat	Nat	Nat	MG	MG	MG	MG	MG	Nat	MG	Nat	MG	Nat	MG	MG	MG
					All values in mg/kg unless otherwise stated	Location & Depth	BH516	BH516	BH505	BH505	BH502	BH502	BH530	BH530	BH503	TP505	TP546	TP546	TP508	TP508	TP521	TP521	TP522	TP522	TP539
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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**
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	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	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	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	8.5	2.3	1.4	1.8	1	1
Aliphatics >EC12-EC16	0.1	83	0.523	154.819	9	24	2	2	2	2	2	2	2	2	2	2	2	2	2	26	24	9.3	8.7	2	2
Aliphatics >EC16-EC35	0.1	65	0.152	1500	0	65000	10	10	10	10	43	10	11	33	10	18	10	10	10	10	80	10	11	10	10
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	8.4	16	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	0.1	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	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	0.1	0.1	0.1
Aromatics >EC10-EC12	0.01	68	1	3.3	0	75	1	1	1	1	1	1	1.3	1	1	1	1	1	1.3	1	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	2	2	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	22	10	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	95	10	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	40	8.4	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
						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
					Considered additive	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
					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	0.177	0.048	0.029	0.038	0.021	0.021
					Considered additive	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	1.083	1.000	0.388	0.363	0.083	0.083
						Aliphatics >EC16-EC35	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001	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
						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
						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
					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
					Considered additive	Aromatics >EC10-EC12	0.013	0.013	0.013	0.013	0.013	0.013	0.017	0.013	0.013	0.013	0.013	0.013	0.017	0.013	0.013	0.013	0.013	0.013	0.013
					Considered additive	Aromatics >EC12-EC16	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
						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	0.158	0.038	1.115	0.038	0.085	0.038	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
						Aromatics >EC35-EC44	0.008	0.008	0.008	0.008	0.020	0.008	0.021	0.008	0.008	0.020	0.008	0.008	0.047	0.008	0.109	0.008	0.036	0.008	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**	**1.264**	**1.052**	**0.420**	**0.404**	**0.108**	**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**	**0.085**	**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**

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

Hydrock

						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	0.1	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	0.1	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	0.1	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	1
Aliphatics >EC12-EC16	0.1	83	0.523	154.819	9	24	2	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	0.1	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	0.1	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	0.1	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	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	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	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	0.000	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	0.000	0.000	0.001	0.001	0.001	0.001
					Considered additive	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	0.000	0.000	0.004	0.004	0.004	0.004
						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
						Aliphatics >EC12-EC16	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	0.001	0.000	0.000	0.014	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
						Aliphatics >EC35-EC44	0.000	0.000	0.000	0.000	0.001	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
						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	0.000	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	0.000	0.000	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	0.000	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	0.044	0.013	0.027	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	0.021	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
						Aromatics >EC16-EC21	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
					Considered additive	Aromatics >EC21-EC35	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	0.011	0.009	0.009	0.009	0.049	0.009
						Aromatics >EC35-EC44	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	0.054	0.008
						Hazard Index for ali>C8-C16	**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**	**0.104**	**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**	**0.674**	**0.030**	**0.086**	**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**	**6.549**	**0.048**	**0.978**	**0.048**	**0.048**	**0.048**	**0.049**	**0.048**	**0.048**	**0.048**	**0.088**	**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

Hydrock

						Soil Type	MG	MG	MG	MG	Nat	Nat	MG	MG	Nat	MG	Nat	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
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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**
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	0.001	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	0.001	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	0.001	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	3.7	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	0.001	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	0.001	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	0.001	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	21	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	0.002	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	0.001	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	0.004	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
						Considered additive: Aliphatics >EC12-EC16	0.146	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	0.154	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
						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	0.001	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	0.001	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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
						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	0.003	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	0.025
						Considered additive: 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	0.055
						Considered additive: Aromatics >EC16-EC21	0.038	0.038	0.038	0.100	0.769	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	0.081
						Considered additive: Aromatics >EC21-EC35	0.011	0.009	0.009	0.075	0.200	0.009	0.049	0.025	0.009	0.012	0.009	0.031	0.009	0.009	0.009	0.027	0.009	0.100	0.058
						Aromatics >EC35-EC44	0.008	0.008	0.008	0.032	0.025	0.008	0.019	0.008	0.008	0.008	0.008	0.019	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**	**0.104**	**0.104**	**0.104**	**0.104**	**0.104**	**0.108**	**0.108**	**0.108**	**0.108**	**0.179**	**0.108**	**0.108**	**0.108**
						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**	**0.030**	**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**	**0.050**	**0.048**	**0.073**	**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

Hydrock

						Soil Type	Nat	MG	MG	Nat	MG	MG	MG	MG	Nat	Nat	Nat
						All values in mg/kg unless otherwise stated Location & Depth	BH512	BH538A	BH538A	BH538A	WS607	TP611	TP611	TP616	TP616	WS610	WS610
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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	0.000	0.000	0.000	0.000	0.000	0.000	0.000
						Aliphatics >EC6-EC8	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
					Considered additive	Aliphatics >EC8-EC10	0.004	0.004	0.004	0.004	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	0.035	0.021	0.021	0.021	0.021	0.021
					Considered additive	Aliphatics >EC12-EC16	0.083	2.917	0.083	0.083	0.083	0.254	0.108	0.204	0.083	0.083	0.083
						Aliphatics >EC16-EC35	0.000	0.023	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
						Aromatics EC5-EC7	0.001	0.001	0.001	0.001	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	0.000	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	0.000	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	0.015	0.013	0.013	0.013	0.013
					Considered additive	Aromatics >EC12-EC16	0.013	0.107	0.030	0.013	0.013	0.030	0.016	0.013	0.013	0.013	0.013
						Aromatics >EC16-EC21	0.038	0.654	0.154	0.038	0.038	0.173	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	0.118	0.026	0.009	0.009	0.009	0.009
						Aromatics >EC35-EC44	0.008	0.100	0.008	0.008	0.008	0.021	0.008	0.008	0.008	0.008	0.008
						Hazard Index for ali>C8-C16	**0.108**	**3.095**	**0.108**	**0.108**	**0.104**	**0.290**	**0.129**	**0.225**	**0.104**	**0.104**	**0.104**
						Hazard Index for aro>C8-C16	**0.030**	**0.124**	**0.046**	**0.030**	**0.027**	**0.043**	**0.031**	**0.027**	**0.027**	**0.027**	**0.027**
						Hazard Index for aro>C16-C35	**0.048**	**1.472**	**0.222**	**0.048**	**0.048**	**0.291**	**0.065**	**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

Hydrock

							Soil Type	MG	MG	Nat	MG	MG	MG	Nat
All values in mg/kg unless otherwise stated							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	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

Hydrock

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

Hydrock

						Soil Type	MG	MG	MG	MG	
						Location & Depth	BH560	BH521	BH521	BH521	
All values in mg/kg unless otherwise stated							0.40	0.40	0.50	0.90	
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**					
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
Considered additive	Aliphatics >EC8-EC10	0.004	0.004	0.004	0.004
Considered additive	Aliphatics >EC10-EC12	0.021	0.021	0.021	0.021
Considered additive	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
Considered additive	Aromatics >EC8-EC10	0.003	0.003	0.003	0.003
Considered additive	Aromatics >EC10-EC12	0.013	0.013	0.013	0.013
Considered additive	Aromatics >EC12-EC16	0.013	0.013	0.013	0.013
Considered additive	Aromatics >EC16-EC21	0.058	0.038	0.038	0.038
Considered additive	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**

Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.

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

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 alues 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

Hydrock

						Soil Type	Nat	MG	Nat	MG	Nat	MG	Nat	Nat	MG	Nat	MG	Nat	Nat	MG	Nat
	All values in mg/kg unless otherwise stated					Location & Depth	BH545	BH546	BH546	BH547	BH547	BH548	BH548	BH549	BH550	BH550	BH554	BH557	BH557	BH563	BH563
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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**
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

Hydrock

						Soil Type	MG	MG	MG	MG	MG	Nat	MG	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	Nat	MG	Nat
	All values in mg/kg unless otherwise stated					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**	**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**
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	0.33						
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	0.21						
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	0.4						
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	0.19						
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	0.29						
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	0.57						
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	0.19						
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	0.48						
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

Hydrock

							Soil Type	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	MG	Nat	MG	Nat	Nat	Nat	Nat	Nat	Nat	MG
	All values in mg/kg unless otherwise stated						Location & Depth	1X1	1X1	1X2	1X2	1X3	1X3	1X4	1X4	4X1	4X2	4X3	4X5	1D2	1D2	1D3	1D3	1D4	1D4	S-HD1
								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
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	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

Hydrock

							Soil Type	Nat	MG	Nat	MG	Nat	MG	Nat	MG	MG	NG	MG	MG	MG	Nat	Nat	MG
	All values in mg/kg unless otherwise stated						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
								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
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**																	
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	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	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	0.071	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	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

Hydrock

							Soil Type	Nat	MG	Nat	MG	Nat	MG	Nat	Nat	MG	Nat	Nat	MG	Nat	Nat	MG	Nat
	All values in mg/kg unless otherwise stated						Location & Depth	BH545	BH546	BH546	BH547	BH547	BH548	BH548	BH549	BH550	BH550	BH554	BH557	BH557	BH563	BH563
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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**
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	160	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

Hydrock

						Soil Type	MG	MG	MG	MG	MG	Nat	MG	MG	Nat	Nat	MG	Nat	MG	MG	Nat	MG	Nat	MG	Nat
	All values in mg/kg unless otherwise stated					Location & Deptl	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**	**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**
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						
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

Hydrock

						Soil Type	MG	Nat	MG	Nat	MG	Nat	MG	Nat	MG	MG	Nat	MG	Nat	Nat	Nat	Nat	Nat	Nat	MG
	All values in mg/kg unless otherwise stated					Location & Depth	1X1	1X1	1X2	1X2	1X3	1X3	1X4	1X4	4X1	4X2	4X3	4X5	1D2	1D2	1D3	1D3	1D4	1D4	S-HD1
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	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																								

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

Hydrock

							Soil Type	Nat	MG	Nat	MG	Nat	MG	Nat	MG	MG	NG	MG	MG	MG	Nat	Nat	MG
	All values in mg/kg unless otherwise stated						Location & Deptl	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		93	93	60	118	93	93	65	64	60	118	101	243	150	26	110	
	Mean																						
pH (su)	7.6																			7.9	7.7	8.2	

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 Human Health

Hydrock

							Soil Type	Nat	MG	MG	Nat	Nat	MG	Nat	MG	Nat	Nat	MG	Nat	MG	Nat	Nat
							All values in mg/kg unless otherwise stated Location & Depth	BH601	TP601	BH542	BH542	BH545	BH546	BH546	BH547	BH549	BH557	BH563	BH563	BH553	BH553	TP559
								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	8.4	66	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	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	10	17	10	130	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	8.4	150	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
						Considered additive	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
						Considered additive	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
						Considered additive	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
						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
						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	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
							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
						Considered additive	Aromatics >EC21-EC35	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.001	0.000	0.005	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	0.000	0.005	0.000	0.000
							Hazard Index for all>C8-C16	**0.104**	**0.563**	**0.105**	**0.105**	**0.105**	**0.105**	**0.105**	**0.105**	**0.105**	**0.105**	**0.105**	**0.105**	**0.197**	**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**	**0.001**	**0.005**	**0.001**	**0.001**

Hazard Index table - HI or HQ greater than 1 highlighted with yellow shading.

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: 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 alues in red are equal to, or greater than, the generic assessment criterion (GAC).

Assessment of Chemicals of Potential Concern to Human Health

Hydrock

						Soil Type	Nat	MG	Nat	MG	Nat	Nat	MG	MG	Nat	MG	Nat	MG	MG	MG	MG	MG	MG	MG
					All values in mg/kg unless otherwise stated	Location & Depth	TP559	TP560	TP560	TP551	TP551	S-HD3	S-HD1	X-WS3	X-WS3	X-WS4	X-WS4	X-HD5	X12	X12	X35	X65	X70	X73
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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													
					Considered additive	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													
					Considered additive	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	0.000	0.000	0.000	0.000	0.000	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													
						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													
					Considered additive	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													
					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
						Aromatics >EC16-EC21	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	0.000	0.000	0.000	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	0.001	0.001	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**	**0.001**	**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

Hydrock

						Soil Type	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	MG	MG
All values in mg/kg unless otherwise stated						Location & Depth	3F2	1F1	1F5	1F5	2F3	2F2	2F2	2F1	A-WS3	A-WS3
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**	**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	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	1	2
Cadmium	0.2	10	1	1	0	220	1	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	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

Hydrock

							Soil Type	MG	Nat	Nat	Nat	Nat	MG	Nat	MG	MG	MG
	All values in mg/kg unless otherwise stated						Location & Depth	3F2	1F1	1F5	1F5	2F3	2F2	2F2	2F1	A-WS3	A-WS3
Chemical of Potential Concern	**Lab. RL**	**No. Samples**	**Min. Value**	**Max. Value**	**No. Samples > or = GAC**	**GAC**		**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

Risk parameter: Plant life pH 7
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 Human Health

Hydrock

						Soil Type	MG	MG
					All values in mg/kg unless otherwise stated	Location & Depth	A-WS3	A-WS3
Chemical of Potential Concern	Lab. RL	No. Samples	Min. Value	Max. Value	No. Samples > or = GAC	GAC	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		
Considered additive	Aliphatics >EC8-EC10		
Considered additive	Aliphatics >EC10-EC12	5.034	0.036
Considered additive	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		
Considered additive	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**

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

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 alues in red are equal to, or greater than, the generic assessment criterion (GAC).
MG denotes Made Ground
NAT denotes natural ground

Appendix H

Waste Classification

Hydrock

HazWasteOnline™

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

Name:
Sarah Hey
Date:
28 Jan 2019 16:24 GMT
Telephone:
01454 619533

Company:
Hydrock Group Limited
Over Court Barns
Over Lane, Almondsbury
Bristol
BS32 4DF

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

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:	
0.70 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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		4.9 mg/kg	1.32	6.47 mg/kg	0.000647 %		
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		0.44 mg/kg	2.775	1.221 mg/kg	0.000122 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		<0.2 mg/kg	13.43	<2.686 mg/kg	<0.000269 %		<**LOD**
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<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		15 mg/kg	1.462	21.923 mg/kg	0.00219 %		
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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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		13	mg/kg	1.126	14.637	mg/kg	0.00146 %		
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	16	mg/kg		16	mg/kg	0.0016 %		
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] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		17	mg/kg	1.579	26.851	mg/kg	0.00269 %		
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		26	mg/kg	1.245	32.363	mg/kg	0.00324 %		
											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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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:	
0.70 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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		<0.05 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		0.72 mg/kg	2.775	1.998 mg/kg	0.0002 %		
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	1	<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		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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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	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] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		19	mg/kg	1.579	30.01	mg/kg	0.003 %		
27		pH			PH		6	pH		6	pH	6pH		
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		74	mg/kg	1.245	92.109	mg/kg	0.00921 %		
											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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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:	
0.55 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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	0.0000555 %		
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	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		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		
				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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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:	
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		0.44 mg/kg		0.44 mg/kg	0.000044 %		
4	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		8 mg/kg	1.32	10.563 mg/kg	0.00106 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.7 mg/kg		2.7 mg/kg	0.00027 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		2.6 mg/kg		2.6 mg/kg	0.00026 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		3.2 mg/kg		3.2 mg/kg	0.00032 %		
8	benzo[ghi]perylene		205-883-8	191-24-2		1.8 mg/kg		1.8 mg/kg	0.00018 %		
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		0.89 mg/kg	2.775	2.47 mg/kg	0.000247 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.6 mg/kg	13.43	34.918 mg/kg	0.00349 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	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		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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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] 234-348-1 [2]	12054-48-7 [1] 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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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
Sample Depth:
0.70 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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				<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 }				38	mg/kg	1.126	42.784	mg/kg	0.00428 %		
		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	30	mg/kg		30	mg/kg	0.003 %		
		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 }				60	mg/kg	1.579	94.77	mg/kg	0.00948 %		
		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 }				110	mg/kg	1.245	136.919	mg/kg	0.0137 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS606

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

Sample details

Sample Name:
WS606
Sample Depth:
0.30 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				0.19	mg/kg		0.19	mg/kg	0.000019 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	25.895	mg/kg	0.00259 %		
		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				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			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	80	mg/kg		80	mg/kg	0.008 %		
		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				6.2	pH		6.2	pH	6.2 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				0.43	mg/kg		0.43	mg/kg	0.000043 %		
			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 }				71	mg/kg	1.245	88.375	mg/kg	0.00884 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS607

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

Sample details

Sample Name:
WS607
Sample Depth:
0.30 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				<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 }				35	mg/kg	1.126	39.406	mg/kg	0.00394 %		
		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	26	mg/kg		26	mg/kg	0.0026 %		
		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 }				28	mg/kg	1.579	44.226	mg/kg	0.00442 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				7.2	pH		7.2	pH	7.2 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 }				71	mg/kg	1.245	88.375	mg/kg	0.00884 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP601

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

Sample details

Sample Name:
TP601
Sample Depth:
0.10 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	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				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				48	mg/kg	1.126	54.043	mg/kg	0.0054 %		
		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				0.28	mg/kg		0.28	mg/kg	0.000028 %		
		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				2.4	mg/kg		2.4	mg/kg	0.00024 %		
			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				0.89	mg/kg		0.89	mg/kg	0.000089 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	110	mg/kg		110	mg/kg	0.011 %		
		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 }				21	mg/kg	1.579	33.169	mg/kg	0.00332 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				8.2	pH		8.2	pH	8.2 pH		
				PH									
28		phenanthrene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
			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				2.1	mg/kg		2.1	mg/kg	0.00021 %		
			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				181	mg/kg		181	mg/kg	0.0181 %		
				TPH									
33		zinc { zinc oxide }				110	mg/kg	1.245	136.919	mg/kg	0.0137 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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] 234-348-1 [2]	12054-48-7 [1] 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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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
Sample Depth:
0.10 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	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		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				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				35	mg/kg	1.126	39.406	mg/kg	0.00394 %		
		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				0.26	mg/kg		0.26	mg/kg	0.000026 %		
		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				2.5	mg/kg		2.5	mg/kg	0.00025 %		
			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				0.87	mg/kg		0.87	mg/kg	0.000087 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	140	mg/kg		140	mg/kg	0.014 %		
		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				8.4	pH		8.4	pH	8.4 pH		
				PH									
28		phenanthrene				0.99	mg/kg		0.99	mg/kg	0.000099 %		
			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				2.2	mg/kg		2.2	mg/kg	0.00022 %		
			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				461.4	mg/kg		461.4	mg/kg	0.0461 %		
				TPH									
33		zinc { zinc oxide }				110	mg/kg	1.245	136.919	mg/kg	0.0137 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
0.40 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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		0.19 mg/kg		0.19 mg/kg	0.000019 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.26 mg/kg		0.26 mg/kg	0.000026 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.31 mg/kg		0.31 mg/kg	0.000031 %		
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		0.16 mg/kg		0.16 mg/kg	0.000016 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.06 mg/kg	2.775	0.167 mg/kg	0.0000167 %		
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	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		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				0.22	mg/kg		0.22	mg/kg	0.000022 %		
		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				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			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	15	mg/kg		15	mg/kg	0.0015 %		
		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 }				2.9	mg/kg	1.579	4.581	mg/kg	0.000458 %		
		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				0.28	mg/kg		0.28	mg/kg	0.000028 %		
			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				21.3	mg/kg		21.3	mg/kg	0.00213 %		
				TPH									
33		zinc { zinc oxide }				17	mg/kg	1.245	21.16	mg/kg	0.00212 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:
TP603[2]
Sample Depth:
1.20 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	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				<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 }				14	mg/kg	1.126	15.762	mg/kg	0.00158 %		
		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				0.31	mg/kg		0.31	mg/kg	0.000031 %		
			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	28	mg/kg		28	mg/kg	0.0028 %		
		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 }				5	mg/kg	1.579	7.897	mg/kg	0.00079 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				8.3	pH		8.3	pH	8.3 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				0.29	mg/kg		0.29	mg/kg	0.000029 %		
			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				22	mg/kg		22	mg/kg	0.0022 %		
				TPH									
33		zinc { zinc oxide }				32	mg/kg	1.245	39.831	mg/kg	0.00398 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		2.9 mg/kg	2.775	8.048 mg/kg	0.000805 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		4.1 mg/kg	13.43	55.063 mg/kg	0.00551 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.1 mg/kg	1.285	1.414 mg/kg	0.00011 %		
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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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	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] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		40	mg/kg	1.579	63.18	mg/kg	0.00632 %		
27		pH			PH		7.9	pH		7.9	pH	7.9 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		TPH (C6 to C40) petroleum group			TPH		18	mg/kg		18	mg/kg	0.0018 %		
33		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		84	mg/kg	1.245	104.556	mg/kg	0.0105 %		
											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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:
TP606[1]
Sample Depth:
0.60 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP607

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

Sample details

Sample Name:
TP607
Sample Depth:
0.20 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	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		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				0.49	mg/kg		0.49	mg/kg	0.000049 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				140	mg/kg	1.126	157.624	mg/kg	0.0158 %		
		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				0.94	mg/kg		0.94	mg/kg	0.000094 %		
			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				0.27	mg/kg		0.27	mg/kg	0.000027 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	180	mg/kg		180	mg/kg	0.018 %		
		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 }				29	mg/kg	1.579	45.805	mg/kg	0.00458 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				7.8	pH		7.8	pH	7.8 pH		
				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				0.82	mg/kg		0.82	mg/kg	0.000082 %		
			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				13	mg/kg		13	mg/kg	0.0013 %		
				TPH									
33		zinc { zinc oxide }				150	mg/kg	1.245	186.707	mg/kg	0.0187 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		23 mg/kg	1.32	30.367 mg/kg	0.00304 %		
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		14 mg/kg	2.775	38.855 mg/kg	0.00389 %		
11	boron { boron tribromide/trichloride/trifluoride (combined) }			10294-33-4, 10294-34-5, 7637-07-2		2.5 mg/kg	13.43	33.575 mg/kg	0.00336 %		
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		73 mg/kg	1.462	106.694 mg/kg	0.0107 %		
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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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] 234-348-1 [2]	12054-48-7 [1] 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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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:	
0.30 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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		0.45 mg/kg		0.45 mg/kg	0.000045 %		
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		2.5 mg/kg		2.5 mg/kg	0.00025 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		3.2 mg/kg		3.2 mg/kg	0.00032 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		3.7 mg/kg		3.7 mg/kg	0.00037 %		
8	benzo[ghi]perylene		205-883-8	191-24-2		1.9 mg/kg		1.9 mg/kg	0.00019 %		
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		1.5 mg/kg		1.5 mg/kg	0.00015 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.72 mg/kg	2.775	1.998 mg/kg	0.0002 %		
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	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		19 mg/kg	1.462	27.77 mg/kg	0.00278 %		
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				2.5	mg/kg		2.5	mg/kg	0.00025 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				45	mg/kg	1.126	50.665	mg/kg	0.00507 %		
		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				0.47	mg/kg		0.47	mg/kg	0.000047 %		
		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				4.9	mg/kg		4.9	mg/kg	0.00049 %		
			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				1.7	mg/kg		1.7	mg/kg	0.00017 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	130	mg/kg		130	mg/kg	0.013 %		
		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 }				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				7.8	pH		7.8	pH	7.8 pH		
				PH									
28		phenanthrene				2.2	mg/kg		2.2	mg/kg	0.00022 %		
			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				4.4	mg/kg		4.4	mg/kg	0.00044 %		
			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				214	mg/kg		214	mg/kg	0.0214 %		
				TPH									
33		zinc { zinc oxide }				290	mg/kg	1.245	360.967	mg/kg	0.0361 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:
TP608[1]
Sample Depth:
1.20 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	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		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				<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 }				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
		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	18	mg/kg		18	mg/kg	0.0018 %		
		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 }				39	mg/kg	1.579	61.6	mg/kg	0.00616 %		
		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 }				67	mg/kg	1.245	83.396	mg/kg	0.00834 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP609

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

Sample details

Sample Name:
TP609
Sample Depth:
0.20 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	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				0.44	mg/kg		0.44	mg/kg	0.000044 %		
		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				0.81	mg/kg		0.81	mg/kg	0.000081 %		
			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				0.33	mg/kg		0.33	mg/kg	0.000033 %		
			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 }				38	mg/kg	1.579	60.021	mg/kg	0.006 %		
		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				0.29	mg/kg		0.29	mg/kg	0.000029 %		
			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				0.71	mg/kg		0.71	mg/kg	0.000071 %		
			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				66.3	mg/kg		66.3	mg/kg	0.00663 %		
				TPH									
33		zinc { zinc oxide }				80	mg/kg	1.245	99.577	mg/kg	0.00996 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
0.50 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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		6.9 mg/kg	1.32	9.11 mg/kg	0.000911 %		
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	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		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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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] 234-348-1 [2]	12054-48-7 [1] 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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:
TP610
Sample Depth:
0.35 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				41	mg/kg	1.126	46.161	mg/kg	0.00462 %		
		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				0.22	mg/kg		0.22	mg/kg	0.000022 %		
		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				2.2	mg/kg		2.2	mg/kg	0.00022 %		
			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				0.72	mg/kg		0.72	mg/kg	0.000072 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	48	mg/kg		48	mg/kg	0.0048 %		
		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 }				25	mg/kg	1.579	39.487	mg/kg	0.00395 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				7.5	pH		7.5	pH	7.5 pH		
				PH									
28		phenanthrene				0.62	mg/kg		0.62	mg/kg	0.000062 %		
			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				2	mg/kg		2	mg/kg	0.0002 %		
			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				328	mg/kg		328	mg/kg	0.0328 %		
				TPH									
33		zinc { zinc oxide }				190	mg/kg	1.245	236.496	mg/kg	0.0236 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	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				2	mg/kg		2	mg/kg	0.0002 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				55	mg/kg	1.126	61.924	mg/kg	0.00619 %		
		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				0.3	mg/kg		0.3	mg/kg	0.00003 %		
		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				4.3	mg/kg		4.3	mg/kg	0.00043 %		
			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				1	mg/kg		1	mg/kg	0.0001 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	76	mg/kg		76	mg/kg	0.0076 %		
		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 }				20	mg/kg	1.579	31.59	mg/kg	0.00316 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				7	pH		7	pH	7pH		
				PH									
28		phenanthrene				2.2	mg/kg		2.2	mg/kg	0.00022 %		
			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				3.8	mg/kg		3.8	mg/kg	0.00038 %		
			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				264.5	mg/kg		264.5	mg/kg	0.0265 %		
				TPH									
33		zinc { zinc oxide }				120	mg/kg	1.245	149.366	mg/kg	0.0149 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:
TP611[1]
Sample Depth:
0.60 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	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		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				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				45	mg/kg	1.126	50.665	mg/kg	0.00507 %		
		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				0.21	mg/kg		0.21	mg/kg	0.000021 %		
		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				2	mg/kg		2	mg/kg	0.0002 %		
			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				0.57	mg/kg		0.57	mg/kg	0.000057 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	52	mg/kg		52	mg/kg	0.0052 %		
		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 }				32	mg/kg	1.579	50.544	mg/kg	0.00505 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
28		phenanthrene				0.77	mg/kg		0.77	mg/kg	0.000077 %		
			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				1.8	mg/kg		1.8	mg/kg	0.00018 %		
			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				81.5	mg/kg		81.5	mg/kg	0.00815 %		
				TPH									
33		zinc { zinc oxide }				68	mg/kg	1.245	84.641	mg/kg	0.00846 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				28	mg/kg	1.126	31.525	mg/kg	0.00315 %		
		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				0.27	mg/kg		0.27	mg/kg	0.000027 %		
		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				2.1	mg/kg		2.1	mg/kg	0.00021 %		
			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				0.86	mg/kg		0.86	mg/kg	0.000086 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	56	mg/kg		56	mg/kg	0.0056 %		
		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				9.3	pH		9.3	pH	9.3 pH		
				PH									
28		phenanthrene				0.88	mg/kg		0.88	mg/kg	0.000088 %		
			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				2.1	mg/kg		2.1	mg/kg	0.00021 %		
			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				230.1	mg/kg		230.1	mg/kg	0.023 %		
				TPH									
33		zinc { zinc oxide }				110	mg/kg	1.245	136.919	mg/kg	0.0137 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:
TP612[1]
Sample Depth:
0.60 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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)

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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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:	
0.30 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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		9.2 mg/kg	1.32	12.147 mg/kg	0.00121 %		
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		0.41 mg/kg	2.775	1.138 mg/kg	0.000114 %		
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	1	<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		20 mg/kg	1.462	29.231 mg/kg	0.00292 %		
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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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		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		<0.05	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	12	mg/kg		12	mg/kg	0.0012 %		
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] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12	mg/kg	1.579	18.954	mg/kg	0.0019 %		
27		pH			PH		6.9	pH		6.9	pH	6.9 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		30	mg/kg	1.245	37.341	mg/kg	0.00373 %		
											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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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:	
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		9.2 mg/kg	1.32	12.147 mg/kg	0.00121 %		
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		2.2 mg/kg		2.2 mg/kg	0.00022 %		
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		0.73 mg/kg		0.73 mg/kg	0.000073 %		
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		2.4 mg/kg	13.43	32.232 mg/kg	0.00322 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	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		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				1.4	mg/kg		1.4	mg/kg	0.00014 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				38	mg/kg	1.126	42.784	mg/kg	0.00428 %		
		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		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
19		indeno[123-cd]pyrene				0.89	mg/kg		0.89	mg/kg	0.000089 %		
			205-893-2	193-39-5									
20		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	110	mg/kg		110	mg/kg	0.011 %		
		082-001-00-6											
21		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									
22		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		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]									
24		pH				8.3	pH		8.3	pH	8.3 pH		
				PH									
25		phenanthrene				1.3	mg/kg		1.3	mg/kg	0.00013 %		
			201-581-5	85-01-8									
26		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
27		pyrene				2.4	mg/kg		2.4	mg/kg	0.00024 %		
			204-927-3	129-00-0									
28		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
29		TPH (C6 to C40) petroleum group				145	mg/kg		145	mg/kg	0.0145 %		
				TPH									
30		zinc { zinc oxide }				97	mg/kg	1.245	120.737	mg/kg	0.0121 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		0.87 mg/kg		0.87 mg/kg	0.000087 %		
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		4 mg/kg		4 mg/kg	0.0004 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		4.9 mg/kg		4.9 mg/kg	0.00049 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		5.6 mg/kg		5.6 mg/kg	0.00056 %		
8	benzo[ghi]perylene		205-883-8	191-24-2		3.4 mg/kg		3.4 mg/kg	0.00034 %		
9	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		2 mg/kg		2 mg/kg	0.0002 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.9 mg/kg	2.775	2.498 mg/kg	0.00025 %		
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	1	<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		33 mg/kg	1.462	48.231 mg/kg	0.00482 %		
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				4.3	mg/kg		4.3	mg/kg	0.00043 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				24	mg/kg	1.126	27.021	mg/kg	0.0027 %		
		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		fluorene				0.27	mg/kg		0.27	mg/kg	0.000027 %		
			201-695-5	86-73-7									
19		indeno[123-cd]pyrene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			205-893-2	193-39-5									
20		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	45	mg/kg		45	mg/kg	0.0045 %		
		082-001-00-6											
21		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									
22		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
23		nickel { nickel dihydroxide }				22	mg/kg	1.579	34.749	mg/kg	0.00347 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
24		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
25		phenanthrene				3.7	mg/kg		3.7	mg/kg	0.00037 %		
			201-581-5	85-01-8									
26		phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
27		pyrene				8.8	mg/kg		8.8	mg/kg	0.00088 %		
			204-927-3	129-00-0									
28		toluene				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
29		TPH (C6 to C40) petroleum group				303.5	mg/kg		303.5	mg/kg	0.0304 %		
				TPH									
30		zinc { zinc oxide }				66	mg/kg	1.245	82.151	mg/kg	0.00822 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
0.90 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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		2.8 mg/kg	1.32	3.697 mg/kg	0.00037 %		
5	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.19 mg/kg		0.19 mg/kg	0.000019 %		
6	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.27 mg/kg		0.27 mg/kg	0.000027 %		
7	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.24 mg/kg		0.24 mg/kg	0.000024 %		
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		0.18 mg/kg		0.18 mg/kg	0.000018 %		
10	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.44 mg/kg	2.775	1.221 mg/kg	0.000122 %		
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	1	<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		14 mg/kg	1.462	20.462 mg/kg	0.00205 %		
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				0.2	mg/kg		0.2	mg/kg	0.00002 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
		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				0.5	mg/kg		0.5	mg/kg	0.00005 %		
			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	42	mg/kg		42	mg/kg	0.0042 %		
		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 }				10	mg/kg	1.579	15.795	mg/kg	0.00158 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				7.8	pH		7.8	pH	7.8 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				0.46	mg/kg		0.46	mg/kg	0.000046 %		
			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				39.3	mg/kg		39.3	mg/kg	0.00393 %		
				TPH									
33		zinc { zinc oxide }				39	mg/kg	1.245	48.544	mg/kg	0.00485 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:
TP616
Sample Depth:
0.20 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	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				0.38	mg/kg		0.38	mg/kg	0.000038 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				81	mg/kg	1.126	91.197	mg/kg	0.00912 %		
		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				0.63	mg/kg		0.63	mg/kg	0.000063 %		
			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				0.23	mg/kg		0.23	mg/kg	0.000023 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	120	mg/kg		120	mg/kg	0.012 %		
		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 }				21	mg/kg	1.579	33.169	mg/kg	0.00332 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				7.1	pH		7.1	pH	7.1 pH		
				PH									
28		phenanthrene				0.28	mg/kg		0.28	mg/kg	0.000028 %		
			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				0.56	mg/kg		0.56	mg/kg	0.000056 %		
			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 }				190	mg/kg	1.245	236.496	mg/kg	0.0236 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: TP616[1]

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

Sample details

Sample Name:
TP616[1]
Sample Depth:
0.40 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				<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 }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
		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	11	mg/kg		11	mg/kg	0.0011 %		
		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 }				6.7	mg/kg	1.579	10.583	mg/kg	0.00106 %		
		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 }				12	mg/kg	1.245	14.937	mg/kg	0.00149 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH602

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

Sample details

Sample Name:
BH602
Sample Depth:
0.80 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	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				3.1	mg/kg		3.1	mg/kg	0.00031 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				47	mg/kg	1.126	52.917	mg/kg	0.00529 %		
		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				0.58	mg/kg		0.58	mg/kg	0.000058 %		
		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				6.7	mg/kg		6.7	mg/kg	0.00067 %		
			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				2.3	mg/kg		2.3	mg/kg	0.00023 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	73	mg/kg		73	mg/kg	0.0073 %		
		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 }				25	mg/kg	1.579	39.487	mg/kg	0.00395 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				8.1	pH		8.1	pH	8.1 pH		
				PH									
28		phenanthrene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
			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				5.8	mg/kg		5.8	mg/kg	0.00058 %		
			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				223.9	mg/kg		223.9	mg/kg	0.0224 %		
				TPH									
33		zinc { zinc oxide }				160	mg/kg	1.245	199.154	mg/kg	0.0199 %		
		030-013-00-7	215-222-5	1314-13-2									
34		asbestos				20	mg/kg		20	mg/kg	0.002 %		
		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									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	LoW Code:
BH603[1]	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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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		10	mg/kg	1.126	11.259	mg/kg	0.00113 %		
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	8	mg/kg		8	mg/kg	0.0008 %		
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] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12	mg/kg	1.579	18.954	mg/kg	0.0019 %		
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		27	mg/kg	1.245	33.607	mg/kg	0.00336 %		
											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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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:	
0.90 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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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] 234-348-1 [2]	12054-48-7 [1] 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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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]
Sample Depth:
2.30 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				<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 }				14	mg/kg	1.126	15.762	mg/kg	0.00158 %		
		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	10	mg/kg		10	mg/kg	0.001 %		
		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 }				8.1	mg/kg	1.579	12.794	mg/kg	0.00128 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				4.9	pH		4.9	pH	4.9 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 }				23	mg/kg	1.245	28.628	mg/kg	0.00286 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: BH605

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

Sample details

Sample Name:
BH605
Sample Depth:
0.20 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	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		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				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				42	mg/kg	1.126	47.287	mg/kg	0.00473 %		
		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				2.7	mg/kg		2.7	mg/kg	0.00027 %		
			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				0.93	mg/kg		0.93	mg/kg	0.000093 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	120	mg/kg		120	mg/kg	0.012 %		
		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 }				23	mg/kg	1.579	36.328	mg/kg	0.00363 %		
		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				1.2	mg/kg		1.2	mg/kg	0.00012 %		
			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				2.4	mg/kg		2.4	mg/kg	0.00024 %		
			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				39	mg/kg		39	mg/kg	0.0039 %		
				TPH									
33		zinc { zinc oxide }				140	mg/kg	1.245	174.26	mg/kg	0.0174 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	LoW Code:
BH605[1]	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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		1.7 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		3.3 mg/kg	13.43	44.319 mg/kg	0.00443 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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] 234-348-1 [2]	12054-48-7 [1] 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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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:	
0.50 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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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] 234-348-1 [2]	12054-48-7 [1] 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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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]
Sample Depth:
1.10 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	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				<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 }				23	mg/kg	1.126	25.895	mg/kg	0.00259 %		
		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	25	mg/kg		25	mg/kg	0.0025 %		
		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 }				30	mg/kg	1.579	47.385	mg/kg	0.00474 %		
		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 }				81	mg/kg	1.245	100.822	mg/kg	0.0101 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS603[1]

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

Sample details

Sample Name:
WS603[1]
Sample Depth:
0.20 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	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				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				56	mg/kg	1.126	63.05	mg/kg	0.0063 %		
		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				3.1	mg/kg		3.1	mg/kg	0.00031 %		
			205-912-4	206-44-0									
21		fluorene				0.22	mg/kg		0.22	mg/kg	0.000022 %		
			201-695-5	86-73-7									
22		indeno[123-cd]pyrene				0.91	mg/kg		0.91	mg/kg	0.000091 %		
			205-893-2	193-39-5									
23		lead { lead compounds with the exception of those specified elsewhere in this Annex }			1	170	mg/kg		170	mg/kg	0.017 %		
		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 }				21	mg/kg	1.579	33.169	mg/kg	0.00332 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				9.3	pH		9.3	pH	9.3 pH		
				PH									
28		phenanthrene				2.5	mg/kg		2.5	mg/kg	0.00025 %		
			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				2.6	mg/kg		2.6	mg/kg	0.00026 %		
			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				140	mg/kg		140	mg/kg	0.014 %		
				TPH									
33		zinc { zinc oxide }				150	mg/kg	1.245	186.707	mg/kg	0.0187 %		
		030-013-00-7	215-222-5	1314-13-2									
34		asbestos				20	mg/kg		20	mg/kg	0.002 %		
		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									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
0.30 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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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		0.2	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		0.22	mg/kg		0.22	mg/kg	0.000022 %		
7		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.19	mg/kg		0.19	mg/kg	0.000019 %		
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		0.2	mg/kg		0.2	mg/kg	0.00002 %		
10		beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.71	mg/kg	2.775	1.97	mg/kg	0.000197 %		
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	1	<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		20	mg/kg	1.462	29.231	mg/kg	0.00292 %		
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				0.17	mg/kg		0.17	mg/kg	0.000017 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				26	mg/kg	1.126	29.273	mg/kg	0.00293 %		
		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				0.32	mg/kg		0.32	mg/kg	0.000032 %		
			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	100	mg/kg		100	mg/kg	0.01 %		
		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				8	pH		8	pH	8pH		
				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				0.28	mg/kg		0.28	mg/kg	0.000028 %		
			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				28	mg/kg		28	mg/kg	0.0028 %		
				TPH									
33		zinc { zinc oxide }				71	mg/kg	1.245	88.375	mg/kg	0.00884 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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]
Sample Depth:
0.80 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				<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	20	mg/kg		20	mg/kg	0.002 %		
		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				7.8	pH		7.8	pH	7.8 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		TPH (C6 to C40) petroleum group				16	mg/kg		16	mg/kg	0.0016 %		
				TPH									
33		zinc { zinc oxide }				46	mg/kg	1.245	57.257	mg/kg	0.00573 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:	
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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		<0.05 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		1.4 mg/kg	13.43	18.802 mg/kg	0.00188 %		
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	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		29 mg/kg	1.462	42.385 mg/kg	0.00424 %		
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 index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
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] 234-348-1 [2]	12054-48-7 [1] 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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous 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:
WS606[1]
Sample Depth:
0.60 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				<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 }				28	mg/kg	1.126	31.525	mg/kg	0.00315 %		
		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 }				28	mg/kg	1.579	44.226	mg/kg	0.00442 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				5.1	pH		5.1	pH	5.1 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 }				78	mg/kg	1.245	97.088	mg/kg	0.00971 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS608

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

Sample details

Sample Name:
WS608
Sample Depth:
0.30 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				0.22	mg/kg		0.22	mg/kg	0.000022 %		
		601-048-00-0	205-923-4	218-01-9									
16		copper { dicopper oxide; copper (I) oxide }				23	mg/kg	1.126	25.895	mg/kg	0.00259 %		
		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				0.4	mg/kg		0.4	mg/kg	0.00004 %		
			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	41	mg/kg		41	mg/kg	0.0041 %		
		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 }				27	mg/kg	1.579	42.646	mg/kg	0.00426 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				6.1	pH		6.1	pH	6.1 pH		
				PH									
28		phenanthrene				0.18	mg/kg		0.18	mg/kg	0.000018 %		
			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				0.3	mg/kg		0.3	mg/kg	0.00003 %		
			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 }				61	mg/kg	1.245	75.928	mg/kg	0.00759 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS608[1]

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

Sample details

Sample Name:
WS608[1]
Sample Depth:
0.70 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				<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	21	mg/kg		21	mg/kg	0.0021 %		
		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 }				29	mg/kg	1.579	45.805	mg/kg	0.00458 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				6.6	pH		6.6	pH	6.6 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 }				59	mg/kg	1.245	73.438	mg/kg	0.00734 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS610

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

Sample details

Sample Name:
WS610
Sample Depth:
0.15 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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				<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 }				19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
		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	27	mg/kg		27	mg/kg	0.0027 %		
		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 }				18	mg/kg	1.579	28.431	mg/kg	0.00284 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				7.8	pH		7.8	pH	7.8 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 }				50	mg/kg	1.245	62.236	mg/kg	0.00622 %		
		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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS610[1]

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

Sample details

Sample Name:
WS610[1]
Sample Depth:
0.80 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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	1	<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				<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 }				38	mg/kg	1.126	42.784	mg/kg	0.00428 %		
		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	15	mg/kg		15	mg/kg	0.0015 %		
		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 }				57	mg/kg	1.579	90.031	mg/kg	0.009 %		
		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 }				180	mg/kg	1.245	224.049	mg/kg	0.0224 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS610[2]

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

Sample details

Sample Name:
WS610[2]
Sample Depth:
2.50 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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 index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
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				<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 }				85	mg/kg	1.126	95.701	mg/kg	0.00957 %		
		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	30	mg/kg		30	mg/kg	0.003 %		
		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 }				460	mg/kg	1.579	726.57	mg/kg	0.0727 %		
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
27		pH				7.5	pH		7.5	pH	7.5 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 }				340	mg/kg	1.245	423.203	mg/kg	0.0423 %		
		030-013-00-7	215-222-5	1314-13-2									
										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 Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

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