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Analytical Report Number : 21-87307

Project / Site name:	Long Sutton	**Samples received on:**	15/07/2021
Your job number:	21-0536.01	**Samples instructed on/ Analysis started on:**	15/07/2021
Your order number:	DS62304	**Analysis completed by:**	23/07/2021
Report Issue Number:	1	**Report issued on:**	23/07/2021
Samples Analysed:	10 soil samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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

Analytical Report Number: 21-87307
Project / Site name: Long Sutton
Your Order No: DS62304

Lab Sample Number				1940120	1940121	1940122	1940123	1940124
Sample Reference				HDTP01-1	HDTP01-2	HDTP02-1	HDTP02-2	HDTP03-1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10-0.26	0.30-0.38	0.10-0.24	0.30-0.40	0.00-0.09
Date Sampled				14/07/2021	14/07/2021	14/07/2021	14/07/2021	14/07/2021
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	%	0.01	NONE	12	11	13	10	8.5
Total mass of sample received	kg	0.001	NONE	1.9	1.7	1.8	1.8	1.5
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	8.7	8.8	8.0	9.2	8.2
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	270	820	32	500	82
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.14	0.41	0.016	0.25	0.041
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	136	410	16.0	249	41.1
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	0.35	1.4	0.32	1.5	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.46	< 0.05	0.50	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.88	3.3	0.56	3.7	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.87	3.2	0.46	3.4	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.57	1.9	0.29	2.4	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.46	1.5	0.24	1.8	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.47	1.6	0.20	2.7	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.28	1.0	0.14	0.88	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.48	1.7	0.19	2.3	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.26	0.74	< 0.05	1.3	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.25	< 0.05	0.36	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.28	0.89	< 0.05	1.4	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	4.90	18.0	2.40	22.2	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.6	12	8.3	14	8.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	21	16	25	15
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	15	18	16	17
Lead (aqua regia extractable)	mg/kg	1	MCERTS	39	38	40	36	34
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	0.8
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	15	12	16	12
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	63	70	57	73	56

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Analytical Report Number: 21-87307
Project / Site name: Long Sutton
Your Order No: DS62304

Lab Sample Number				1940120	1940121	1940122	1940123	1940124
Sample Reference				HDTP01-1	HDTP01-2	HDTP02-1	HDTP02-2	HDTP03-1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10-0.26	0.30-0.38	0.10-0.24	0.30-0.40	0.00-0.09
Date Sampled				14/07/2021	14/07/2021	14/07/2021	14/07/2021	14/07/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
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	7.5	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	12	< 8.0	14	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	100	< 8.0	61	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40	mg/kg	10	NONE	< 10	57	< 10	43	< 10
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	110	< 10	82	< 10
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	1.6	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	6.2	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	12	20	< 10	21	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	35	120	< 10	83	< 10
TPH-CWG - Aromatic >EC35 - EC40	mg/kg	10	NONE	22	110	< 10	66	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	54	140	< 10	100	< 10
TPH (C35 - C40)	mg/kg	10	MCERTS	22	170	< 10	110	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-87307
Project / Site name: Long Sutton
Your Order No: DS62304

Lab Sample Number				1940125	1940126	1940127	1940128	1940129
Sample Reference				HDTP03-2	HDTP04-1	HDTP04-2	HDTP05-1	HDTP05-2
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10-0.27	0.10-0.26	0.30-0.50	0.10-0.25	0.30-0.45
Date Sampled				14/07/2021	14/07/2021	14/07/2021	14/07/2021	14/07/2021
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	%	0.01	NONE	8.8	8.5	5.9	8.6	6.3
Total mass of sample received	kg	0.001	NONE	1.4	1.4	1.5	1.5	1.5
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	0.918	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	0.918	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	9.0	7.7	9.7	7.8	8.3
Water Soluble Sulphate as SO4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	870	54	720	48	330
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.43	0.027	0.36	0.024	0.16
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	434	27.0	358	23.8	163
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	0.34	< 0.05	0.43
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.20	< 0.05	0.72
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.30	< 0.05	0.66
Phenanthrene	mg/kg	0.05	MCERTS	1.3	0.65	2.3	< 0.05	5.5
Anthracene	mg/kg	0.05	MCERTS	0.44	< 0.05	0.83	< 0.05	1.7
Fluoranthene	mg/kg	0.05	MCERTS	3.6	1.2	5.9	< 0.05	12
Pyrene	mg/kg	0.05	MCERTS	3.6	1.2	5.5	< 0.05	10
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.4	0.80	3.9	< 0.05	7.2
Chrysene	mg/kg	0.05	MCERTS	1.8	0.54	2.7	< 0.05	5.3
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	2.6	0.78	3.8	< 0.05	6.0
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.62	0.40	1.6	< 0.05	4.3
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.2	0.78	3.4	< 0.05	6.6
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.1	0.41	1.6	< 0.05	3.0
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.31	< 0.05	0.44	< 0.05	0.92
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.2	0.44	1.8	< 0.05	3.4
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	21.1	7.18	34.6	< 0.80	67.8
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	14	11	17	9.3	14
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	19	24	17	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	14	23	13	18	22
Lead (aqua regia extractable)	mg/kg	1	MCERTS	36	52	26	40	38
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	0.8	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	15	16	13	17
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	66	81	63	59	88

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Analytical Report Number: 21-87307
Project / Site name: Long Sutton
Your Order No: DS62304

Lab Sample Number				1940125	1940126	1940127	1940128	1940129
Sample Reference				HDTP03-2	HDTP04-1	HDTP04-2	HDTP05-1	HDTP05-2
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10-0.27	0.10-0.26	0.30-0.50	0.10-0.25	0.30-0.45
Date Sampled				14/07/2021	14/07/2021	14/07/2021	14/07/2021	14/07/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
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	8.1	< 8.0	11	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	84	< 8.0	140	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC35 - EC40	mg/kg	10	NONE	48	< 10	79	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	92	< 10	150	< 10	< 10
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	5.9
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	17	10	32	< 10	38
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	110	24	210	< 10	97
TPH-CWG - Aromatic >EC35 - EC40	mg/kg	10	NONE	73	< 10	130	< 10	37
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	120	34	240	< 10	140
TPH (C35 - C40)	mg/kg	10	MCERTS	120	< 10	210	< 10	37

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-87307
Project / Site name: Long Sutton
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Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

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

Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL 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
1940125	HDTP03-2	0.10-0.27	144	Hard/Cement Type Material	**Chrysotile**	0.918	**0.918**

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

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* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) 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 *
1940120	HDTP01-1	None Supplied	0.10-0.26	Brown clay and loam with vegetation and gravel
1940121	HDTP01-2	None Supplied	0.30-0.38	Brown clay and loam with vegetation and gravel
1940122	HDTP02-1	None Supplied	0.10-0.24	Brown clay and loam with vegetation and gravel
1940123	HDTP02-2	None Supplied	0.30-0.40	Brown clay and loam with rubble and brick.
1940124	HDTP03-1	None Supplied	0.00-0.09	Brown loam and clay with vegetation and gravel
1940125	HDTP03-2	None Supplied	0.10-0.27	Brown loam and clay with vegetation and gravel
1940126	HDTP04-1	None Supplied	0.10-0.26	Brown loam and clay with vegetation and gravel
1940127	HDTP04-2	None Supplied	0.30-0.50	Brown loam and gravel with vegetation and brick.
1940128	HDTP05-1	None Supplied	0.10-0.25	Brown loam and clay with vegetation and gravel
1940129	HDTP05-2	None Supplied	0.30-0.45	Brown loam with vegetation and gravel

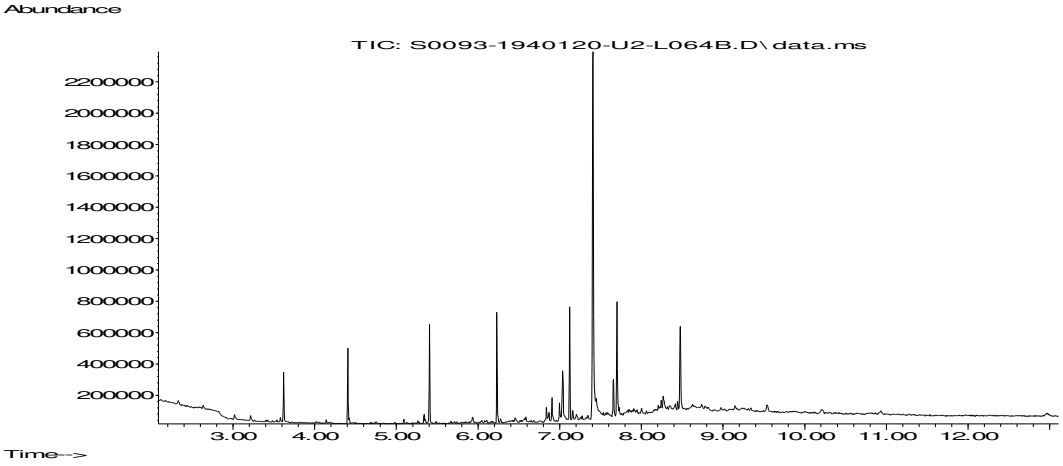
Analytical Report Number : 21-87307
Project / Site name: Long Sutton

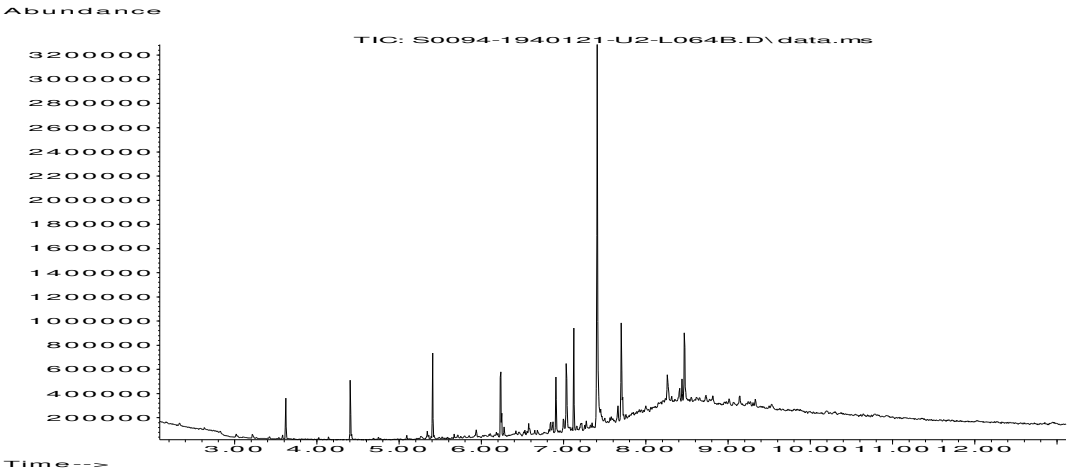
Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

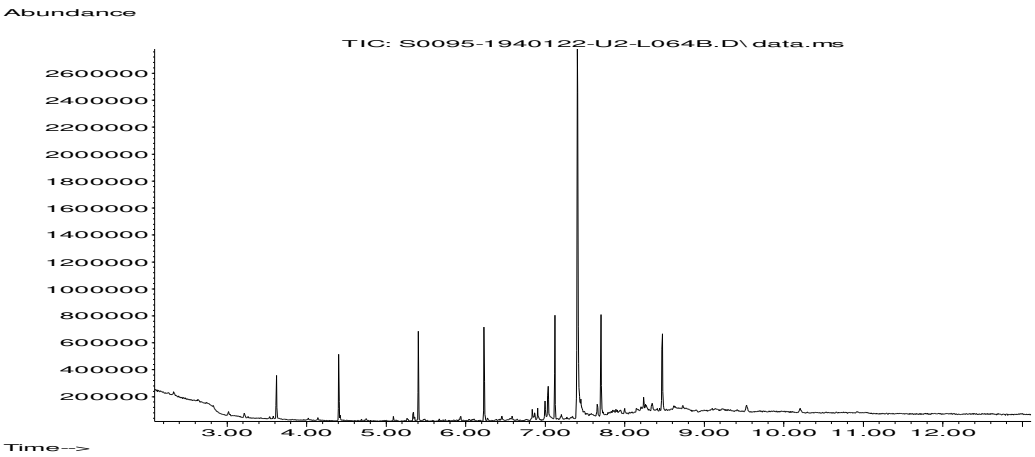
Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
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.	L038-PL	D	MCERTS
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
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
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
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
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-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
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
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
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE
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
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

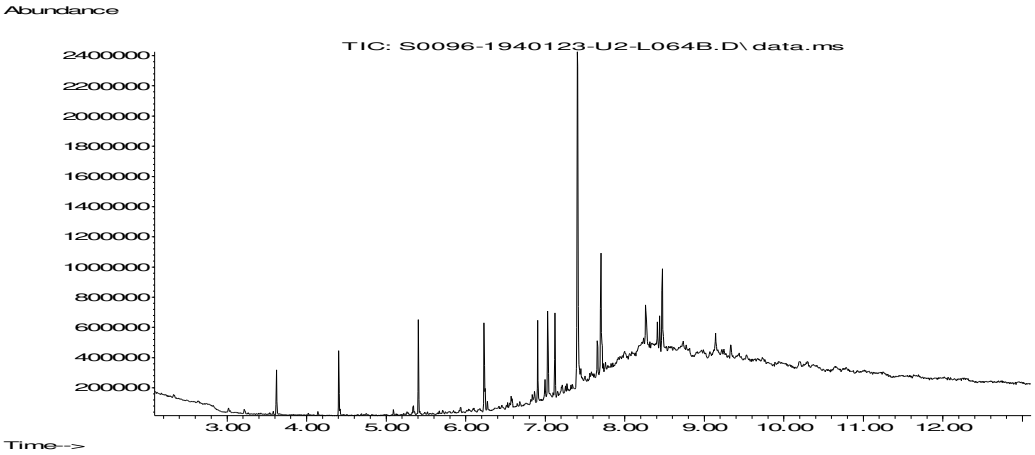
For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received 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.

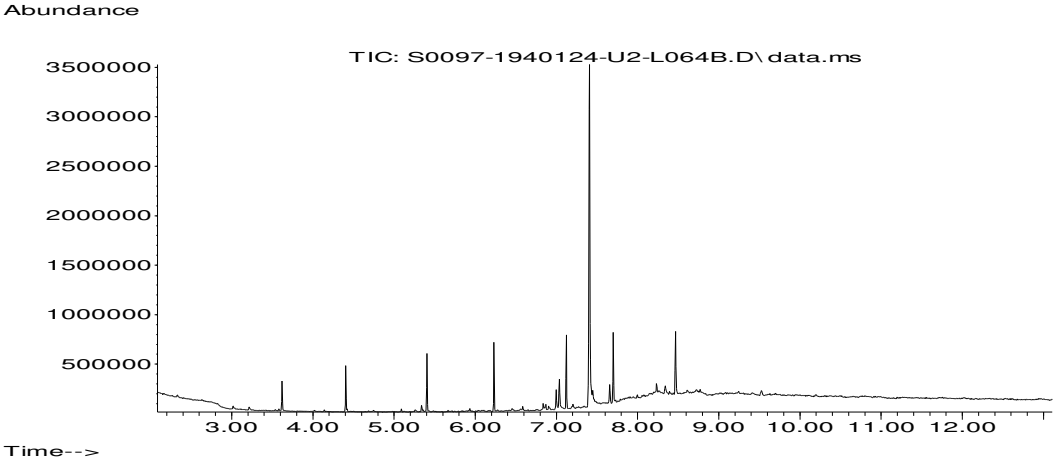
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

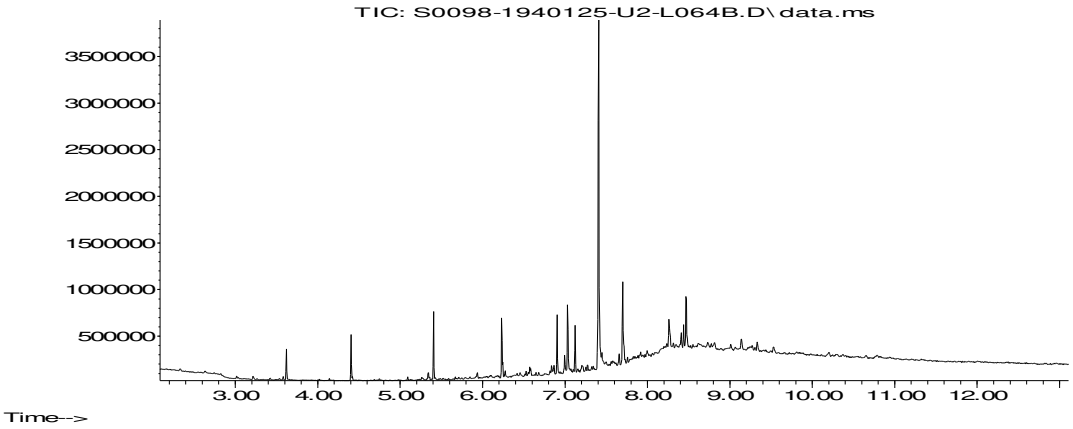

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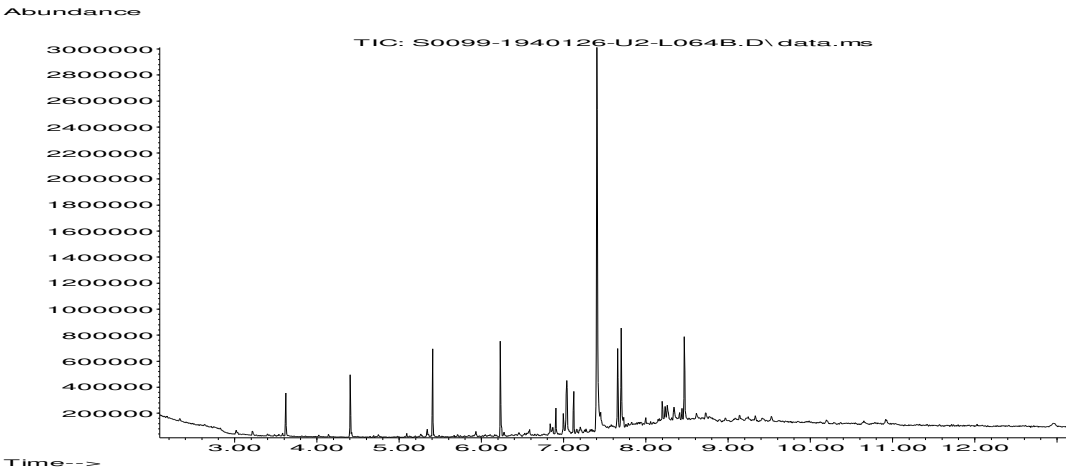

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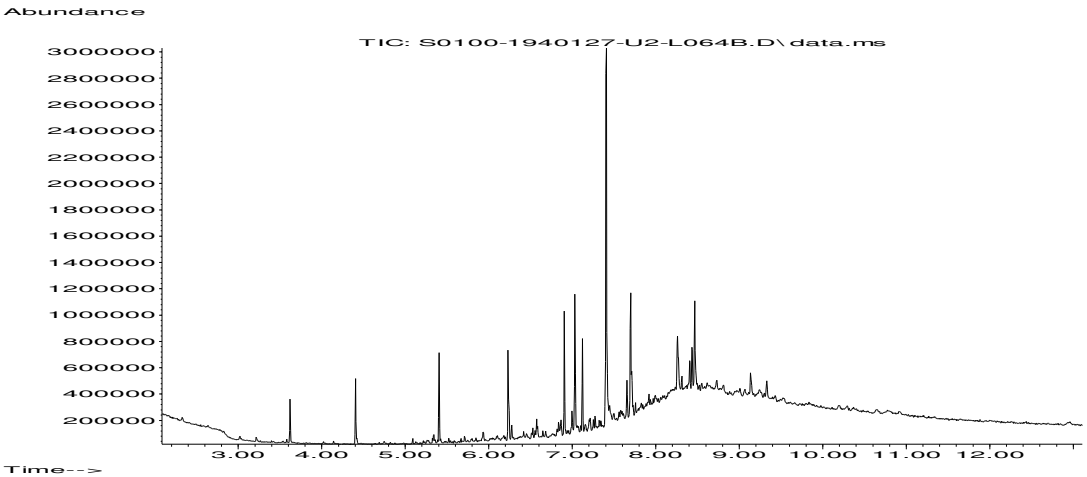

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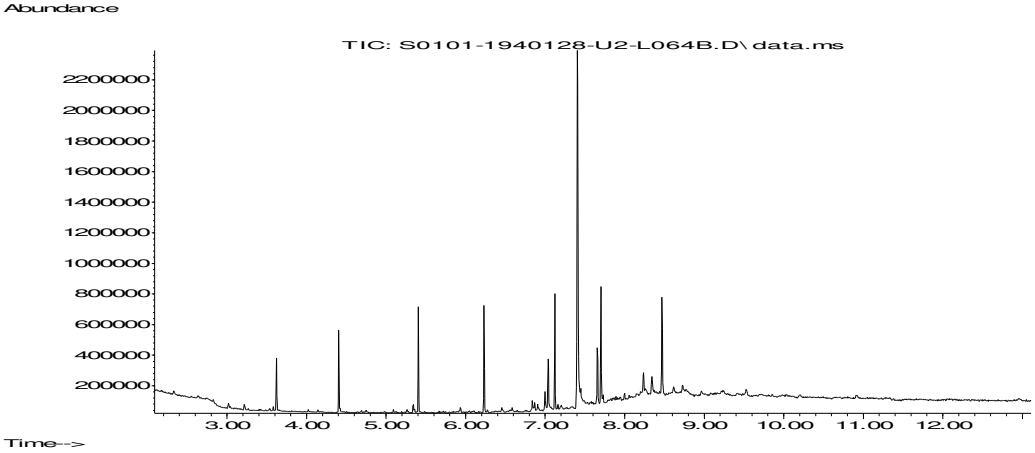

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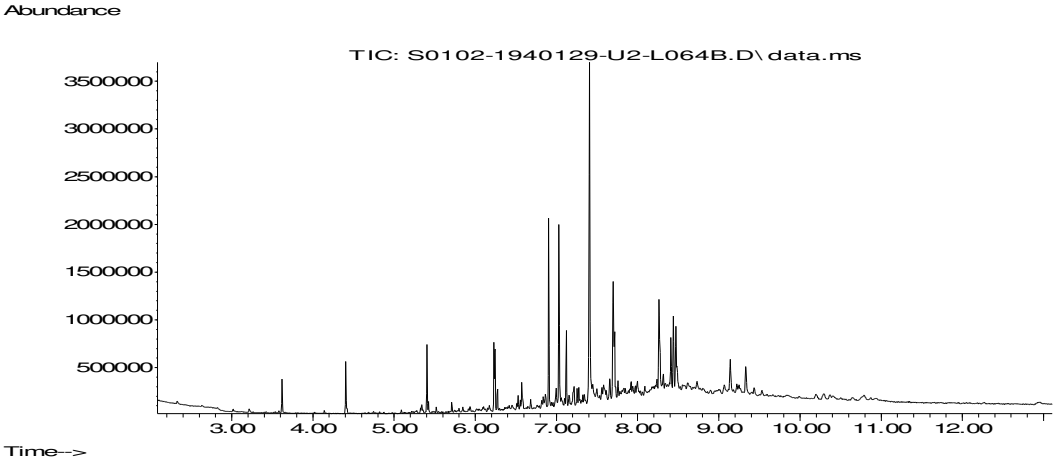

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