



Image 1. DS33 SPOIL:
DS33 SPOIL



Image 2. DS33:
View from right to left, top to bottom.

1.20m - 2.00m
2.00m - 3.00m
3.00m - 4.00m
4.00m - 5.00m

APPENDIX 4

GEOTECHNICAL LABORATORY TEST RESULTS

TEST REPORT

Client IGE Consulting Ltd

Address Office 16
Bartle House
Oxford Court
Manchester
M2 3WQ

Contract Warth Road

Job Number MRN 4601/49
Date of Issue 04 September 2023
Page 1 of 3

Approved Signatories

S J Hutchings, O P Davies

Notes

- 1 All remaining samples and remnants from this contract will be disposed 28 days from the date of this report unless you notify us to the contrary.
- 2 Result certificates, in this report, not bearing a UKAS mark, are not included in our UKAS accreditation schedule.
- 3 Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.
- 4 Certified that the samples have been examined and tested in accordance with the terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted.
- 5 The results included within the report are representative of the samples submitted for analysis.
- 6 This certificate should not be reproduced, except in full, without the express permission of the laboratory.



Andrew House, Hadfield Street, Dukinfield, Cheshire SK16 4QX Tel: 0161 475 0870
Email: enquiries@murrayrix.com Website: www.murrayrix.com

Also at: London: 020 8523 1999

Murray Rix is the trading name of Murray Rix (Northern) Limited. Registered in England 2878361

MURRAY RIX
ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

TEST CERTIFICATE
PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

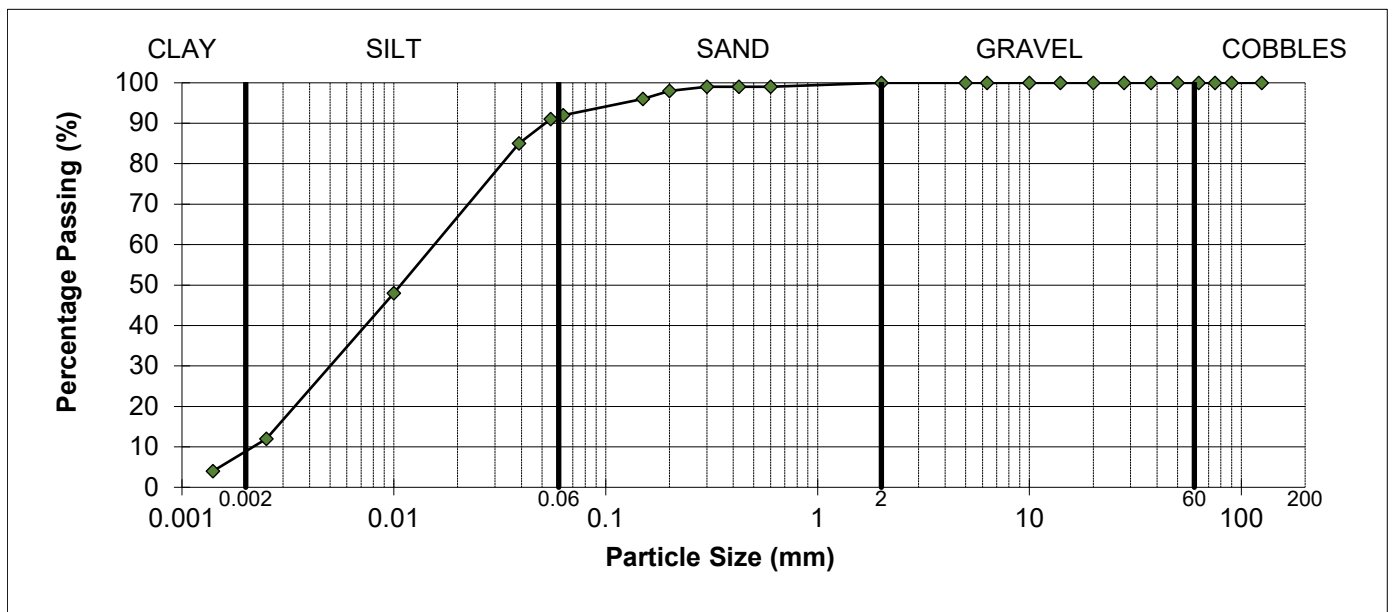
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	IGE Consulting Ltd		
SITE	Warth Road		
JOB NUMBER	MRN 4601/49		

SAMPLE LABEL	DS14 3.5m	DATE SAMPLED	14-Aug-23
LAB SAMPLE No	129964	DATE RECEIVED	23-Aug-23
DATE TESTED	24-Aug-23	SAMPLED BY	Client

MATERIAL	Brown slightly clayey slightly sandy SILT		
ADVISED SOURCE	Site Investigation Sample		

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		2	100	
90	100		0.6	99	
75	100		0.425	99	
63	100		0.3	99	
50	100		0.2	98	
37.5	100		0.15	96	
28	100		0.063	92	
20	100		0.055	91	
14	100		0.039	85	
10	100		0.010	48	
6.3	100		0.0025	12	
5	100		0.0014	4	



REMARKS

As received water content = 24.8%

SIGNED

NAME

O.P. Davies BA (Hons)
(Laboratory Manager)

DATE

04-Sep-23

MURRAY RIX

ANDREW HOUSE, HADFIELD STREET,
DUKINFIELD, CHESHIRE SK16 4QX
TEL 0161 475 0870

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

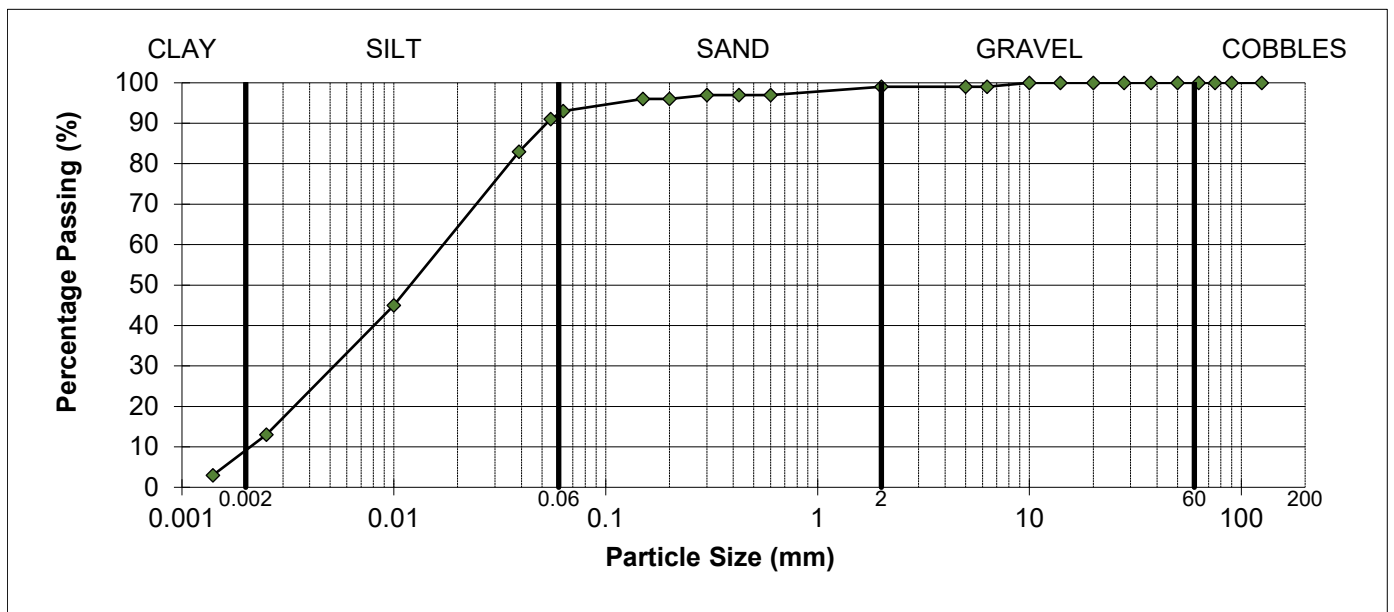
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	IGE Consulting Ltd
SITE	Warth Road
JOB NUMBER	MRN 4601/49

SAMPLE LABEL	DS19 3.8m	DATE SAMPLED	14-Aug-23
LAB SAMPLE No	129965	DATE RECEIVED	23-Aug-23
DATE TESTED	24-Aug-23	SAMPLED BY	Client

MATERIAL	Brown slightly clayey slightly sandy SILT
ADVISED SOURCE	Site Investigation Sample

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		2	99	
90	100		0.6	97	
75	100		0.425	97	
63	100		0.3	97	
50	100		0.2	96	
37.5	100		0.15	96	
28	100		0.063	93	
20	100		0.055	91	
14	100		0.039	83	
10	100		0.010	45	
6.3	99		0.0025	13	
5	99		0.0014	3	



REMARKS

As received water content = 25.4%

SIGNED

NAME

O.P. Davies BA (Hons)
(Laboratory Manager)

DATE

04-Sep-23

APPENDIX 5

CHEMICAL LABORATORY TEST RESULTS & SCREENING TABLES - SOILS



Project: Warth Road, Bury

Formation: Alluvium

Job No: 3972

Lab Sample Number				2786006	2786009	2786035	2786038	2786041	2786044	2786059	2786063	2786065	2786066	2786077	2786079	2786072	2786073	2786082	
Sample Reference				DS11	DS12	DS24	DS05	DS15	DS18	DS23	DS22	DS11	DS11	DS21	DS21	DS33	DS33	DS32	
Sample Number				None Supplied															
Depth (m)				2.30	1.00	1.20	0.90	2.60	1.70	1.60	1.00	1.60	1.90	2.80	0.90	1.30	0.80	1.00	
Date Sampled				17/08/2023	16/08/2023	10/08/2023	11/08/2023	15/08/2023	15/08/2023	14/08/2023	16/08/2023	17/08/2023	17/08/2023	17/08/2023	15/08/2023	16/08/2023	31/08/2023	31/08/2023	31/09/2023
Analytical Parameter (Soil Analysis)				Units	LoD														
Stone Content				%	0.1														
Moisture Content				%	0.01														
Total mass of sample received				kg	0.001														
General Inorganics																			
pH - Automated				pH Units	N/A	6.7	7.3	-	-	-	7.2	-	-	-	-	-	7.1	6.8	-
Total Cyanide				mg/kg	1	1	1	-	-	-	1	1	-	-	-	-	1	1	1
Free Cyanide				mg/kg	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Speciated PAHs																			
Naphthalene				mg/kg	0.05	0.05	2.9	-	-	-	0.16	-	-	-	-	-	0.41	0.53	-
Acenaphthylene				mg/kg	0.05	0.05	-	-	-	0.05	-	-	-	-	-	-	0.05	0.05	-
Acenaphthene				mg/kg	0.05	0.26	0.2	-	-	0.05	-	-	-	-	-	-	0.05	0.05	-
Fluorene				mg/kg	0.05	0.05	0.17	-	-	-	-	-	-	-	-	0.06	0.05	-	
Phenanthrene				mg/kg	0.05	0.16	0.4	-	-	-	0.17	-	-	-	-	0.17	0.11	-	
Anthracene				mg/kg	0.05	0.05	0.07	-	-	-	0.05	-	-	-	-	0.05	0.05	-	
Fluoranthene				mg/kg	0.05	0.16	0.19	-	-	0.05	0.05	-	-	-	0.05	0.05	0.19	0.19	-
Pyrene				mg/kg	0.05	0.18	0.16	-	-	-	0.05	-	-	-	-	0.05	0.05	-	
Benzo(a)anthracene				mg/kg	0.05	0.11	0.05	-	-	-	0.05	-	-	-	-	0.05	0.05	-	
Chrysene				mg/kg	0.05	0.12	0.17	-	-	-	0.05	-	-	-	-	0.03	0.05	-	
Benzo(b)fluoranthene				mg/kg	0.05	0.09	0.05	-	-	-	0.05	-	-	-	0.05	0.05	-		
Benzo(k)fluoranthene				mg/kg	0.05	0.05	0.05	-	-	-	0.05	-	-	-	0.05	0.05	-		
Benzo(a)pyrene				mg/kg	0.05	0.05	0.05	-	-	-	0.05	-	-	-	0.05	0.05	-		
Indeno(1,2,3-cd)pyrene				mg/kg	0.05	0.05	0.05	-	-	-	0.05	-	-	-	0.05	0.05	-		
Dibenz(a,h)anthracene				mg/kg	0.05	0.05	0.05	-	-	-	0.05	-	-	-	0.05	0.05	-		
Benzo(ghi)perylene				mg/kg	0.05	0.05	0.05	-	-	-	0.05	-	-	-	0.05	0.05	-		
Total PAH																			
Speciated Total EPA-16 PAHs				mg/kg	0.8	0.88	4.22	-	-	-	0.8	-	-	-	-	-	0.8	0.8	-
Heavy Metals / Metalloids																			
Arsenic (aqueous extractable)				mg/kg	1	8.5	6.8	-	-	-	12	-	-	-	-	-	7.1	4.5	-
Barium (aqueous extractable)				mg/kg	1	100	130	-	-	-	120	-	-	-	-	-	110	73	-
Boron (water soluble)				mg/kg	0.2	0.2	0.2	-	-	-	0.6	-	-	-	-	0.3	0.2	1.00	
Cadmium (aqueous extractable)				mg/kg	0.2	0.4	0.3	-	-	-	0.2	-	-	-	-	0.3	0.3	-	
Chromium (hexavalent)				mg/kg	1.8	1.8	1.8	-	-	-	1.8	-	-	-	-	1.8	1.8	-	
Chromium (aqueous extractable)				mg/kg	1	15	14	-	-	-	15	-	-	-	-	15	12	-	
Copper (aqueous extractable)				mg/kg	1	30	20	-	-	-	22	-	-	-	27.3	15.00	30.00	-	
Lead (aqueous extractable)				mg/kg	1	47	24	-	-	-	28	-	-	-	21	11	-	-	
Mercury (aqueous extractable)				mg/kg	0.3	0.3	0.3	-	-	-	0.3	-	-	-	0.3	0.3	-	-	
Nickel (aqueous extractable)				mg/kg	1	22	19	-	-	-	24	-	-	-	18	18	-	-	
Selenium (aqueous extractable)				mg/kg	1	18	19	-	-	-	1	-	-	-	21	1	-	-	
Vanadium (aqueous extractable)				mg/kg	1	22	19	-	-	-	25	-	-	-	18	15	-	-	
Zinc (aqueous extractable)				mg/kg	1	66	50	-	-	-	62	-	-	-	55	43	-	-	
Monoaromatics & Oxygenates																			
Benzene				µg/kg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	16
Toluene				µg/kg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	16
Ethylbenzene				µg/kg	5	5	5	5	5	5	5	5	5	5	5	5	5	5	16
p & m-xylene				µg/kg	5	5	240	5	5	5	1100	5	5	5	5	5	5	5	16
o-xylene				µg/kg	5	5	5	5	5	5	280	5	5	5	5	5	5	5	16
MTBE (Methyl Tertiary Butyl Ether)				µg/kg	5	5	5	5	5	5	2100	5	5	5	5	5	5	5	16
TPH-CWG - Aliphatic >EC5 - EC8				mg/kg	0.1	0.1	-	-	0.1	0.1	0.1	0.1	-	-	-	0.1	0.1	-	7
TPH-CWG - Aliphatic >EC6 - EC8				mg/kg	0.1	0.1	-	-	0.1	0.1	0.1	0.1	-	-	-	0.1	0.1	-	7
TPH-CWG - Aliphatic >EC8 - EC10				mg/kg	0.1	58	-	-	0.1	0.1	0.1	0.55	-	-	-	2.5	4.3	-	7
TPH-CWG - Aliphatic >EC10 - EC12				mg/kg	1	1	-	-	1	1	16	-	-	-	-	5.1	16.00	-	7
TPH-CWG - Aliphatic >EC12 - EC16				mg/kg	2	2	-	-	2	2	28	-	-	-	2	7.71	28.00	-	7
TPH-CWG - Aliphatic >EC16 - EC21				mg/kg	8	8	-	-	8	8	1600	-	-	-	8	8	-	-	7
TPH-CWG - Aliphatic >EC21 - EC35				mg/kg	8	8	-	-	8	8	13000	-	-	-	8	8	-	-	7
TPH-CWG - Aliphatic (EC5 - EC35)				mg/kg	10	58	-	-	10	10	15000	-	-	-	10	10	-	-	7
TPH-CWG - Aromatic >EC5 - EC7				mg/kg	0.1	0.1	-	-	0.1	0.1	0.1	0.1	-	-	-	0.1	0.1	-	7
TPH-CWG - Aromatic >EC7 - EC8				mg/kg	0.1	0.1	-	-	0.1	0.1	0.1	0.1	-	-	-	0.17	0.25	-	7
TPH-CWG - Aromatic >EC8 - EC10				mg/kg	0.1	3.2	-	-	0.1	1	1.3	33	-	-	-	0.1	0.25	-	7
TPH-CWG - Aromatic >EC10 - EC12				mg/kg	1	1	-	-	1	1	16	-	-	-	6.5	43	-	-	7
TPH-CWG - Aromatic >EC12 - EC16				mg/kg	1	2	-	-	2	2	49	-	-	-	2	2	-	-	7
TPH-CWG - Aromatic >EC16 - EC21				mg/kg	10	10	-	-	10	10	720	-	-	-	10	10	-	-	7
TPH-CWG - Aromatic >EC21 - EC35				mg/kg	10	10	-	-	10	10	4100	-	-	-	10	10	-	-	7
TPH-CWG - Aromatic (EC5 - EC35)				mg/kg	10	10	-	-	10	10	4800	-	-	-	220	340	-	-	7
VOCs - All below detection limit except the following:																			
Chloromethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Chloroethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Bromomethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Vinyl Chloride				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Trichlorofluoromethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,1-Dichloroethene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,1,2-Trichloro 1,2,2-Trifluoroethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Cis-1,2-dichloroethene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
MTBE (Methyl Tertiary Butyl Ether)				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,1-Dichloroethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
2,2-Dichloropropane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Trichloromethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,1,1-Trichloroethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,2-Dichloroethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,1,1-Dichloropropane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Trans-1,2-dichloroethene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Tetrachloromethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Benzene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,2-Dichloropropane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Trichloroethene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Bromomethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Bromodichloromethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Cis-1,3-dichloropropane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Trans-1,3-dichloropropane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Toluene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,1,2-Trichloroethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,3-Dichloropropane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Dibromochloromethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Tetrachloroethene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,2-Dibromoethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Chlorobenzene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,1,1,2-Tetrachloroethane				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Ethylbenzene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
p & m-Xylene				µg/kg	5	5	-	-	-	1100	32000	-	-	-	-	37000	55000	-	5
Styrene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	74000	95000	-	5
1,3-Dibromobenzene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
o-Xylene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
1,1,2,2-Tetrachloroethane				µg/kg	5	5	-	-	-	5	52	-	-	-	-	5200	9300	-	5
Isopropylbenzene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
Bromobenzene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
n-Propylbenzene				µg/kg	5	5	-	-	-	5	95	-	-	-	-	22000	39000	-	5
2-Chlorotoluene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5
4-Chlorotoluene				µg/kg	5	5	-	-	-	5	5	-	-	-	-	5	5	-	5

GAC used: LQM/CIEH Sutable 4 Use Levels for Human Health Risk Assessment (3rd edition, 2015)

Category 4 Screening Levels (March 2014) used for Arsenic

In-house methodology used for Cyanide - no GAC currently available

Exceeded GAC & C4SL
Exceeded GAC but not C4SL
Recorded below laboratory detection limit

This spreadsheet has been developed by IGE Consulting Ltd

Lab Sample Number		2786008	2786011	2786013	2786014	2786015	2786016	2786017	2786018	2786019	2786020	2786021	2786022	2786023	2786024	2786025	2786026	2786027	2786028	2786029	2786030	2786031	2786032	2786033	2786034	2786049	2786050	2786051	2786052	
Sample Reference		DS12	DS26	DS16	DS10	DS15	DS15	DS18	DS21	DS13	DS24	DS25	DS19	DS04	DS14	DS05	DS06	DS07	DS23	DS11	DS08	DS22	DS11	DS09	DS16	DS10	DS15	DS15	DS13	
Sample Number		None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)		0.50	0.30	0.60	0.90	0.90	2.20	0.90	0.90	0.30	0.40	0.70	0.40	0.40	0.40	0.60	0.30	0.90	0.50	0.30	0.40	0.50	0.30	0.70	2.40	1.50	0.10	1.60		
Date Sampled		16/08/2023	17/08/2023	14/08/2023	14/08/2023	15/08/2023	15/08/2023	15/08/2023	16/08/2023	16/08/2023	10/08/2023	10/08/2023	10/08/2023	11/08/2023	14/08/2023	11/08/2023	11/08/2023	11/08/2023	15/08/2023	17/08/2023	11/08/2023	16/08/2023	17/08/2023	14/08/2023	14/08/2023	14/08/2023	15/08/2023	15/08/2023	16/08/2023	
Analytical Parameter (Soil Analysis)		Units	LoD																											
Stone Content		%	0.1	32	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	40	0.1	0.1	
Moisture Content		%	0.01	9.1	9.1	11	12	16	23	14	12	13	14	6.5	8.9	9.7	11	8.2	11	15	4.2	5.6	12	8.4	23	19	19	5.5	11	9.9
Total mass of sample received		kg	0.001	0.9	0.7	0.7	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.8	0.9	0.8	0.9	1	0.9	0.8	0.9	0.9	0.8	0.9	0.8	0.9	0.8	1.1	1.1
Asbestos																														
Asbestos in Soil Screen / Identification Name		Type	N/A	-	-	Chrysotile	-	-	-	-	Chrysotile	-	-	-	-	-	-	-	-	Chrysotile	-	Chrysotile	-	Chrysotile	Chrysotile	Chrysotile	-	-	-	-
Asbestos in Soil		Type	N/A	Not-detected	Not-detected	Detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Detected	Detected	Detected	Detected	Detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)		%	0.001	-	-	0.006	-	-	-	-	-	-	-	< 0.001	-	-	-	-	-	< 0.001	-	0.002	-	0.009	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Asbestos Quantification Total		%	0.001	-	-	0.006	-	-	-	-	-	-	-	< 0.001	-	-	-	-	-	< 0.001	-	0.002	-	0.009	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
General Inorganics																														
pH - Automated		pH Units	N/A	8.9	8.1	9	8.1	11	11	9.8	8.2	8.1	-	9	-	10.3	-	7.7	-	-	8.1	7.6	-	-	8	-	-	-	-	-
Total Cyanide		mg/kg	1	1	1	1	1	1	1	1	1.1	1	-	1	-	1	-	1	1	1	1	1	-	-	1	1	1	1	1	1
Free Cyanide		mg/kg	1	1	1	1	1	1	1	1	1	1	-	1	-	1	-	1	1	1	1	1	-	-	1	1	1	1	1	1
Speciated PAHs																														
Naphthalene		mg/kg	0.05	4.9	2.7	0.24	0.52	0.05	0.69	1.6	1.5	0.05	-	0.05	-	0.25	-	0.05	0.48	-	-	-	-	0.06	0.59	0.17	-	0.71	0.17	
Acenaphthylene		mg/kg	0.05	0.13	0.05	0.05	0.05	0.12	0.2	0.05	0.12	0.05	-	0.05	-	0.05	-	0.05	0.05	-	-	-	-	0.05	0.05	0.05	-	0.05	0.09	
Acenaphthene		mg/kg	0.05	3.2	2.8	0.16	0.48	0.05	0.58	12	1.5	0.05	-	0.05	-	0.6	-	0.05	0.05	-	-	-	-	0.08	0.05	0.05	-	0.23	0.29	
Fluorene		mg/kg	0.05	2	3.2	0.09	0.34	0.05	0.6	8.8	2.1	0.05	-	0.09	-	0.41	-	0.05	0.15	-	-	-	-	0.06	0.1	0.05	-	0.18	0.14	
Phenanthrene		mg/kg	0.05	4.5	12	1.1	0.11	1.3	69	19	0.05	-	0.55	-	0.98	-	1.5	-	0.09	0.66	-	-	-	0.73	0.42	0.14	-	2.2	2.4	
Anthracene		mg/kg	0.05	1.3	2.8	0.21	0.08	0.51	22	5.2	0.05	-	0.12	-	0.49	-	0.53	-	0.06	0.14	-	-	-	0.15	0.08	0.05	-	0.44	0.4	
Fluoranthene		mg/kg	0.05	3	9.6	1.5	3.1	0.12	4.2	23	0.05	-	0.12	-	3.4	-	1.8	-	0.12	0.75	-	-	-	4.2	1.5	0.39	0.05	-	4.2	17
Pyrene		mg/kg	0.05	2.5	7.8	1.3	2.6	0.14	3.6	68	21	0.05	-	0.52	-	3.4	-	0.12	0.74	-	-	-	-	1.5	0.48	0.05	-	4	18	
Benzo(a)anthracene		mg/kg	0.05	0.75	3.4	0.59	1.2	0.05	1.4	31	10	0.05	-	0.22	-	1.8	-	0.05	0.46	-	-	-	-	0.86	0.29	0.05	-	1.9	7.4	
Chrysene		mg/kg	0.05	1.1	3.3	0.54	1.2	0.05	1.6	31	8.6	0.05	-	0.21	-	1.9	-	0.8	-	0.05	0.46	-	-	-	0.89	0.36	0.05	-	2.2	7.8
Benzo(b)fluoranthene		mg/kg	0.05	0.76	3.5	0.7	1.1	0.05	2.2	33	11	0.05	-	0.24	-	2.2	-	0.8	-	0.05	0.56	-	-	-	1.1	0.47	0.05	-	2.9	12
Benzo(k)fluoranthene		mg/kg	0.05	0.25	1.5	0.24	0.61	0.05	0.74	11	17.8	0.05	-	0.11	-	0.38	-	0.05	0.26	-	-	-	-	0.44	0.17	0.05	-	1.1	3.8	
Benzo(a)pyrene		mg/kg	0.05	0.53	2.6	0.52	0.97	0.05	1.5	28	9.2	0.05	-	0.19	-	0.76	-	0.05	0.45	-	-	-	-	0.96	0.37	0.05	-	2.5	10	
Indeno(1,2,3-cd)pyrene		mg/kg	0.05	0.27	1.2	0.26	0.56	0.05	0.87	19	4.4	0.05	-	0.09	-	0.37	-	0.05	0.05	-	-	-	-	0.48	0.2	0.05	-	1.3	6	
Dibenzo(a,h)anthracene		mg/kg	0.05	0.05	0.37	0.06	0.14	0.05	0.22	4.3	1.2	0.05	-	0.05	-	0.24	-	0.05	0.05	-	-	-	-	0.13	0.05	0.05	-	0.26	1.2	
Benzo(g,h,i)perylene		mg/kg	0.05	0.41	1.4	0.33	0.63	0.05	0.98	21	4.8	0.05	-	0.12	-	1	-	0.05	0.3	-	-	-	-	0.52	0.24	0.05	-	1.5	6.8	
Total PAH																														
Speciated Total EPA-16 PAHs		mg/kg	0.8	25.4	58.2	7.76	17.1	0.8	21.1	440	126	0.8	-	3.03	-	19.1	-	10.9	0.8	5.63	-	-	-	9.4	4.21	0.8	-	25.5	93.8	
Heavy Metals / Metalloids																														
Arsenic (aqueous extractable)		mg/kg	1	11	8.5	14	22	8.2	22	80	38	9.5	-	7.5	-	14	-	13	6.3	39	-	-	-	98	9.7	13	-	26	28	
Barium (aqueous extractable)		mg/kg	1	110	320	280	130	74	260	240	380	120	130	210	-	380	-	200	-	210	220	-	-	-	190	110	130	-	290	150
Boron (water soluble)		mg/kg	0.2	0.2	0.2	0.2	0.6	0.8	0.6	1	0.5	0.3	-	0.4	-	0.3	-	0.8	0.3	0.8	-	-	-	-	0.3	0.3	0.6	-	0.8	0.5
Cadmium (aqueous extractable)		mg/kg	0.2	0.2	0.6	0.2	0.2	0.5	0.2	0.2	0.2	0.2	-	0.2	-	0.2	-	0.2	0.4	0.2	-	-	-	-	0.2	0.7	0.2	-	0.2	0.2
Chromium (hexavalent)		mg/kg	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	-	1.8	-	1.8	-	1.8	1.8	1.8	-	-	-	-	1.8	1.8	1.8	-	1.8	1.8
Chromium (aqueous extractable)		mg/kg	1	18	17	38	34	28	34	16	39	16	16	34	16	34	16	17	34	16	34	16	17	34	16	34	16	17	34	34
Copper (aqueous extractable)		mg/kg	1	45	29	38	64	43	69	140	130	21	-	26	-	37	-	36	-	19	92	37	-	110	37	32	-	97	110	
Lead (aqueous extractable)		mg/kg	1	89	51	150	72	110	110	200	300	22	-	30	-	67	-	19	-	110	110	-	-	-	220	74	41	-	160	100
Mercury (aqueous extractable)		mg/kg	0.3	0.3	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	-	0.3	-	0.3	-	0.3	0.6	0.3	-	-	-	-	0.4	0.3	0.3	-	0.4	0.3



Project: Warth Re

Job No: 3972

Lab Sample 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GAC used: LQM/CIEH Sutable 4 Use Levels for Human Health Risk Assessment (3rd

Category 4 Screening Levels (March 2014) used for Arsenic

In-house methodology used for Cyanide - no GAC currently available

	Exceeded GAC & C4S
	Exceeded GAC but no
	Recorded below labor

This spreadsheet has been developed by IGE Consulting Ltd

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Barium (aqua regia extractable)																																																							
Boron (water soluble)																																																							
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Nickel (aqua regia extractable)																																																							
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Monoaromatics & Oxygenates																																																							
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TPH-CWG - Aliphatic >EC6 - EC8																																																							
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TPH-CWG - Aliphatic >EC8 - EC19																																																							
TPH-CWG - Aliphatic >EC10 - EC12																																																							
TPH-CWG - Aliphatic >EC12 - EC16																																																							
TPH-CWG - Aliphatic >EC16 - EC21																																																							
TPH-CWG - Aliphatic >EC21 - EC35																																																							
TPH-CWG - Aliphatic (EC5 - EC35)																																																							
TPH-CWG - Aromatic >EC5 - EC7																																																							
TPH-CWG - Aromatic >EC7 - EC8																																																							
TPH-CWG - Aromatic >EC8 - EC10																																																							
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TPH-CWG - Aromatic >EC12 - EC16																																																							
TPH-CWG - Aromatic >EC16 - EC21																																																							
TPH-CWG - Aromatic >EC21 - EC35																																																							
TPH-CWG - Aromatic (EC6 - EC39)																																																							
VOCs - All below detection limit except the following:																																																							
Chloromethane																																																							
Chloroethane																																																							
Bromomethane																																																							
Vinyl Chloride																																																							
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1,1-Dichloroethane																																																							
1,1,1-Trichloro 1,2,2-Trifluoroethane																																																							
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2,2-Dichloropropane																																																							
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1,1-Dichloropropane																																																							
Trans-1,2-dichloroethane																																																							
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Tetrachloromethane																																																							
1,2-Dichloropropane																																																							
Trichloroethene																																																							
Dibromomethane																																																							
Bromodichloromethane																																																							
Cis-1,3-dichloropropane																																																							
Trans-1,3-dichloropropane																																																							
Toluene																																																							
1,1,2-Trichloroethane																																																							
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1,2-Dibromothane																																																							
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1,2-Dibromo-3-chloropropane																																																							
1,2,4-Trichlorobenzene																																																							
Hexachlorocyclopentadiene																																																							
1,2,3-Trichlorobenzene																																																							

IGE Consulting Project: Warth Rc Job No: 3972															
Lab Sample Number						GAC - S4UL unless stated						C4SL			
Sample Reference						Statistical Results									
Sample Number															
Depth (m)															
Date Sampled															
Analytical Parameter (Soil Analysis)															
						Units	LoD								
Stone Content						%	0.1	73.0	19.1	73.0					
Moisture Content						%	0.01	19.00	8.36	19.00					
Total mass of sample received						kg	0.001	1.200	0.856	1.200					
General Inorganics															
pH - Automated						pH Units	N/A	7.90	7.41						
Total Cyanide						mg/kg	1	1.00	1.00	1.00	60	Pass	0		
Free Cyanide						mg/kg	1	1.00	1.00	1.00	60	Pass	0		
Speciated PAHs															
Naphthalene						mg/kg	0.05	2.10	0.77	2.10	190.00	Pass	0		
Acenaphthylene						mg/kg	0.05	0.05	0.05	0.05	83000	Pass	0		
Acenaphthene						mg/kg	0.05	0.32	0.08	0.32	84000	Pass	0		
Fluorene						mg/kg	0.05	0.28	0.10	0.28	63000	Pass	0		
Phenanthrene						mg/kg	0.05	1.00	0.29	1.00	22000	Pass	0		
Anthracene						mg/kg	0.05	0.27	0.08	0.27	520000	Pass	0		
Fluoranthene						mg/kg	0.05	0.69	0.20	0.69	23000	Pass	0		
Pyrene						mg/kg	0.05	0.64	0.18	0.64	54000	Pass	0		
Benzo(a)anthracene						mg/kg	0.05	0.23	0.09	0.23	170.00	Pass	0		
Chrysene						mg/kg	0.05	0.24	0.09	0.24	350	Pass	0		
Benzo(b)fluoranthene						mg/kg	0.05	0.24	0.09	0.24	44.00	Pass	0		
Benzo(k)fluoranthene						mg/kg	0.05	0.09	0.06	0.09	1200	Pass	0		
Benzo(a)pyrene						mg/kg	0.05	0.15	0.07	0.15	35.00	Pass	0	77.00	
Indeno(1,2,3-cd)pyrene						mg/kg	0.05	0.05	0.05	0.05	350	Pass	0		
Dibenz(a,h)anthracene						mg/kg	0.05	0.05	0.05	0.05	3.50	Pass	0		
Benzo(ghi)perylene						mg/kg	0.05	0.05	0.05	0.05	3900	Pass	0		
Total PAH															
Speciated Total EPA-16 PAHs						mg/kg	0.8	6.29	1.99						
Heavy Metals / Metalloids															
Arsenic (agua regia extractable)						mg/kg	1	11.00	6.85	11.00	640	Pass	0		
Barium (agua regia extractable)						mg/kg	1	89.00	64.63	89.00	22000.00	Pass	0		
Boron (water soluble)						mg/kg	0.2	0.50	0.31	0.50	240000	Pass	0		
Cadmium (agua regia extractable)						mg/kg	0.2	0.50	0.28	0.50	190	Pass	0	410	
Chromium (hexavalent)						mg/kg	1.8	1.80	1.80	1.80	33	Pass	0	Pass	
Chromium (agua regia extractable)						mg/kg	1	21.00	13.18	21.00	8600	Pass	0		
Copper (agua regia extractable)						mg/kg	1	21.00	13.94	21.00	86000	Pass	0		
Lead (agua regia extractable)						mg/kg	1	14.00	11.14	14.00	2330	Pass	0	2300	
Mercury (agua regia extractable)						mg/kg	0.3	0.30	0.30	0.30	1100	Pass	0		
Nickel (agua regia extractable)						mg/kg	1	24.00	16.88	24.00	960	Pass	0		
Selenium (agua regia extractable)						mg/kg	1	1.00	1.00	1.00	12000	Pass	0		
Vanadium (agua regia extractable)						mg/kg	1	24.00	16.38	24.00	9000	Pass	0		
Zinc (agua regia extractable)						mg/kg	1	140.00	56.88	140.00	730000	Pass	0		
Monoaromatics & Oxygenates															
Benzene						µg/kg	5	5	5.00	5	27000	Pass	0	98000	
Toluene						µg/kg	5	1300	29.98	1300	56000000	Pass	0		
Ethylbenzene						µg/kg	5	58000	3077.67	58000	5700000	Pass	0		
p & m-xylene						µg/kg	5	82000	4434.83	82000	5900000	Pass	0		
o-xylene						µg/kg	5	72000	1947.18	72000	6600000	Pass	0		
MTBE (Methyl Tertiary Butyl Ether)						µg/kg	5	5	5.00						
Petroleum Hydrocarbons															
TPH-CWG - Aliphatic >EC5 - EC6						mg/kg	0.1	0.100	0.100	0.100	3200	Pass	0		
TPH-CWG - Aliphatic >EC6 - EC8						mg/kg	0.1	1.400	0.246	1.400	7800	Pass	0		
TPH-CWG - Aliphatic >EC8 - EC10						mg/kg	0.1	130.000	16.355	130.000	2000	Pass	0		
TPH-CWG - Aliphatic >EC10 - EC12						mg/kg	1	5.10	1.50	5.10	9700	Pass	0		
TPH-CWG - Aliphatic >EC12 - EC16						mg/kg	2	19.00	4.60	19.00	59000	Pass	0		
TPH-CWG - Aliphatic >EC16 - EC21						mg/kg	8	37.00	11.45	37.00					
TPH-CWG - Aliphatic >EC21 - EC35						mg/kg	8	230.00	35.21	230.00	1600000	Pass	0		
TPH-CWG - Aliphatic (EC5 - EC35)						mg/kg	10	270.00	61.70		-				
TPH-CWG - Aromatic >EC5 - EC7						mg/kg	0.1	0.100	0.100	0.100	26000	Pass	0		
TPH-CWG - Aromatic >EC7 - EC8						mg/kg	0.1	0.960	0.155	0.960	56000	Pass	0		
TPH-CWG - Aromatic >EC8 - EC10						mg/kg	0.1	230.000	18.731	230.000	3500	Pass	0		
TPH-CWG - Aromatic >EC10 - EC12						mg/kg	1	10.00	2.31	10.00	16000	Pass	0		
TPH-CWG - Aromatic >EC12 - EC16						mg/kg	2	14.00	3.66	14.00	36000	Pass	0		
TPH-CWG - Aromatic >EC16 - EC21						mg/kg	10	35.00	13.40	35.00	29000	Pass	0		
TPH-CWG - Aromatic >EC21 - EC35						mg/kg	10	100.00	20.35	100.00	28000	Pass	0		
TPH-CWG - Aromatic (EC5 - EC35)						mg/kg	10	370.00	49.15		-				
VOCs - All below detection limit except the following:															
Chloromethane						µg/kg	5	5.00	5.00		-				
Chloroethane						µg/kg	5	5.00	5.00		-				
Bromomethane						µg/kg	5	5.00	5.00		-				
Vinyl Chloride						µg/kg	5	5.00	5.00	5.00	59.00	Pass	0		
Trichlorofluoromethane						µg/kg	5	5.00	5.00		-				
1,1-Dichloroethene						µg/kg	5	5.00	5.00		-				
1,1,2-Trichloro 1,2,2-Trifluoroethane						µg/kg	5	5.00	5.00		-				
Cis-1,2-dichloroethene						µg/kg	5	5.00	5.00		-				
MTBE (Methyl Tertiary Butyl Ether)						µg/kg	5	5.00	5.00		-				
1,1-Dichloroethane						µg/kg	5	5.00	5.00		-				
2,2-Dichloropropane						µg/kg	5	5.00	5.00		-				
Trichloromethane						µg/kg	5	5.00	5.00	5.00	99000.00	Pass	0		
1,1,1-Trichloroethane						µg/kg	5	5.00	5.00	5.00	660000.00	Pass	0		
1,2-Dichloroethane						µg/kg	5	5.00	5.00	5.00	67000.00	Pass	0		
1,1-Dichloropropane						µg/kg	5	5.00	5.00		-				
Trans-1,2-dichloroethene						µg/kg	5	5.00	5.00		-				
Benzene						µg/kg	5	5.00	5.00		-				
Tetrachloromethane						µg/kg	5	5.00	5.00	5.00	2900.00	Pass	0		
1,2-Dichloropropane						µg/kg	5	5.00	5.00		-				
Trichloroethene						µg/kg	5	5.00	5.00	5.00	1200.00	Pass	0		
Dibromomethane						µg/kg	5	5.00	5.00		-				
Bromodichloromethane						µg/kg	5	5.00	5.00		-				
Cis-1,3-dichloropropene						µg/kg	5	5.00	5.00		-				
Trans-1,3-dichloropropene						µg/kg	5	5.00	5.00		-				
Toluene						µg/kg	5	1300.00	97.50		-				
1,1,2-Trichloroethane						µg/kg	5	5.00	5.00		-				
1,3-Dichloropropane						µg/kg	5	5.00	5.00		-				
Dibromochloromethane						µg/kg	5	5.00	5.00		-				
Tetrachloroethene						µg/kg	5	5.00	5.00	5.00	19000.00	Pass	0		
1,2-Dibromoethane						µg/kg	5	5.00	5.00		-				
Chlorobenzene						µg/kg	5	5.00	5.00	5.00	56000.00	Pass	0		
1,1,1,2-Tetrachloroethane						µg/kg	5	5.00	5.00	5.00	110000.00	Pass	0		
Ethylbenzene						µg/kg	5	58000.00	10544.21		-				
p & m-Xylene						µg/kg	5	82000.00	15582.00		-				
Styrene						µg/kg	5	5.00	5.00		-				
Tribromomethane						µg/kg	5	5.00	5.00		-				
o-Xylene						µg/kg	5	72000.00	12275.08		-				
1,1,2,2-Tetrachloroethane						µg/kg	5	3700.00	753.57		-				
Isopropylbenzene						µg/kg	5	5.00	5.00		-				
Bromobenzene						µg/kg	5	5.00	5.00		-				
n-Propylbenzene						µg/kg	5	18000.00	1650.71		-				
2-Chlorotoluene						µg/kg	5	5.00	5.00		-				
4-Chlorotoluene						µg/kg	5	5.00	5.00		-				
1,3,5-Trimethylbenzene						µg/kg	5	40000.00	5575.21		-				
tert-Butylbenzene						µg/kg	5	5.00	5.00		-				
1,2,4-Trimethylbenzene						µg/kg	5	45000.00	13456.36		-				
sec-Butylbenzene						µg/kg	5	3300.00	364.64		-				
1,3-Dichlorobenzene						µg/kg	5	5.00	5.00	5.00	30000.00	Pass	0		
n-Propylbenzene						µg/kg	5	6000.00	1200.71		-				
1,2-Dichlorobenzene						µg/kg	5	5.00	5.00	5.00	200000.00	Pass	0		
1,4-Dichlorobenzene						µg/kg	5	5.00	5.00	5.00	440000.00	Pass	0		
Butylbenzene						µg/kg	5	3600.00	388.71		-				
1,2-Dibromo-3-chloropropane						µg/kg	5	5.00	5.00		-				
1,2,4-Trichlorobenzene						µg/kg	5	5.00	5.00	5.00	220000.00	Pass	0		
Hexachlorobutadiene						µg/kg	5	5.00	5.00	5.00	31000.00	Pass	0		
1,2,3-Trichlorobenzene						µg/kg	5	5.00	5.00	5.00	102000.00	Pass	0		
GAC used: LQM/CIEH Suitable 4 Use Levels for Human Health Risk Assessment (3rd ed)															
Category 4 Screening Levels (March 2014) used for Arsenic															
In-house methodology used for Cyanide - no GAC currently available															
Exceeded GAC & C4SL Exceeded GAC but not Recorded below labors															
This spreadsheet has been developed by IGE Consulting Ltd															



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e:

Analytical Report Number : 23-51902

Replaces Analytical Report Number: 23-51902, issue no. 1
Additional analysis undertaken.
Product ID added to sample 2785996 as per client request.

Project / Site name:	Warth Road Bury	Samples received on:	18/08/2023
Your job number:	3972	Samples instructed on / Analysis started on:	18/08/2023
Your order number:		Analysis completed by:	12/09/2023
Report Issue Number:	2	Report issued on:	14/09/2023
Samples Analysed:	84 soil samples		

Izabela Wójcik
Signed: _____
Izabela Wójcik
Reporting Specialist
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.

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2785996	2785997	2785998	2785999	2786000
Sample Reference	DS18	DS18	DS22	DS22	DS13
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.50	3.50	1.80	2.70	2.60
Date Sampled	15/08/2023	15/08/2023	16/08/2023	16/08/2023	16/08/2023
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	48	49
Moisture Content	%	0.01	NONE	7.8	8.5
Total mass of sample received	kg	0.001	NONE	1	1
				0.9	0.6
				0.6	0.7

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.9	-	7.6	-	7.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.84	-	0.4	-	2.1
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	-	0.32
Fluorene	mg/kg	0.05	MCERTS	0.1	-	0.1	-	0.28
Phenanthrene	mg/kg	0.05	MCERTS	0.35	-	0.3	-	1
Anthracene	mg/kg	0.05	MCERTS	0.06	-	0.06	-	0.27
Fluoranthene	mg/kg	0.05	MCERTS	0.27	-	0.23	-	0.69
Pyrene	mg/kg	0.05	MCERTS	0.24	-	0.21	-	0.64
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.1	-	0.09	-	0.23
Chrysene	mg/kg	0.05	MCERTS	0.12	-	0.11	-	0.24
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.11	-	0.1	-	0.24
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.05	-	< 0.05	-	0.09
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.07	-	0.08	-	0.15
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	ISO 17025	2.31	-	1.68	-	6.29
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.7	-	6	-	10
Barium (aqua regia extractable)	mg/kg	1	MCERTS	62	-	86	-	58
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.7	-	0.61	-	0.68
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	-	0.3	-	< 0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	-	0.2	-	0.5
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	< 1.8	-	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	15	-	21	-	11
Copper (aqua regia extractable)	mg/kg	1	MCERTS	14	-	13	-	21
Lead (aqua regia extractable)	mg/kg	1	MCERTS	14	-	9	-	13
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	24	-	23	-	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	24	-	18	-	16
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	51	-	140	-	49

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2785996	2785997	2785998	2785999	2786000
Sample Reference	DS18	DS18	DS22	DS22	DS13
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.50	3.50	1.80	2.70	2.60
Date Sampled	15/08/2023	15/08/2023	16/08/2023	16/08/2023	16/08/2023
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	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	< 5.0
Toluene	µg/kg	5	MCERTS	1300	-	< 5.0	-	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	58000	-	7900	-	23000
p & m-xylene	µg/kg	5	MCERTS	82000	-	10000	-	35000
o-xylene	µg/kg	5	MCERTS	72000#	-	8800#	-	19000#
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	< 5.0	-	< 5.0

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	-	< 0.005	-	< 0.005	-
Toluene	mg/kg	0.005	MCERTS	-	< 0.005#	-	< 0.005	-
Ethylbenzene	mg/kg	0.005	MCERTS	-	0.28	-	39	-
p & m-xylene	mg/kg	0.005	MCERTS	-	2.3	-	55	-
o-xylene	mg/kg	0.005	MCERTS	-	0.44	-	45#	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	-	< 0.005	-	< 0.005	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	-	< 0.10	-	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	1.2	-	1.4	-	0.62
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	41	-	14	-	130
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	4	-	< 1.0	-	5.1
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	8.7	-	10	-	19
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	16	-	17	-	17
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	190	-	230	-	88
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	260	-	270	-	260

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	-	< 0.10	-	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	0.96	-	0.33	-	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	230	-	28	-	110
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	5.4	-	3.7	-	3.9
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	14	-	7.8	-	5.4
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	26	-	26	-	35
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	94	-	100	-	30
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	370	-	170	-	180

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2785996	2785997	2785998	2785999	2786000
Sample Reference				DS18	DS18	DS22	DS22	DS13
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50	3.50	1.80	2.70	2.60
Date Sampled				15/08/2023	15/08/2023	16/08/2023	16/08/2023	16/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					

VOCs

Chloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Chloroethane	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
Bromomethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1-dichloroethene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Chloroform	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2-dichloroethane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0##
1,1-Dichloropropene	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0##
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2-dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Trichloroethene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Dibromomethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Bromodichloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0##
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	1300	-	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0##
1,3-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Dibromochloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Tetrachloroethene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Chlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0##
Ethylbenzene	µg/kg	5	MCERTS	58000	-	7900	39000	23000
p & m-xylene	µg/kg	5	MCERTS	82000	-	10000	55000	35000
Styrene	µg/kg	5	ISO 17025	< 5.0#	-	< 5.0#	< 5.0#	< 5.0#
Bromoform	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	72000#	-	8800	45000	19000
Isopropylbenzene	µg/kg	5	ISO 17025	3300	-	1200	2300	3700
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Bromobenzene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
N-Propylbenzene	µg/kg	5	ISO 17025	< 5.0	-	2000	2500	18000
2-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
4-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	16000	-	3900	7200	< 5.0
Tert-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	36000#	-	6400#	16000#	31000#
Sec-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	160	< 5.0	3300
1,3-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
P-Isopropyltoluene	µg/kg	5	ISO 17025	2800	-	910	2200	6200
1,4-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2785996	2785997	2785998	2785999	2786000
Sample Reference				DS18	DS18	DS22	DS22	DS13
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.50	3.50	1.80	2.70	2.60
Date Sampled				15/08/2023	15/08/2023	16/08/2023	16/08/2023	16/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	3900
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0##
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0

Miscellaneous Organics

Product ID		N/A	NONE	See Appendix	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786001	2786002	2786003	2786004	2786005
Sample Reference				DS13	DS19	DS19	DS09	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.60	1.30	3.80	1.90	3.80
Date Sampled				16/08/2023	10/08/2023	10/08/2023	14/08/2023	14/08/2023
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	39	31	< 0.1	24	< 0.1
Moisture Content	%	0.01	NONE	7.8	6.8	18	10	18
Total mass of sample received	kg	0.001	NONE	0.8	0.9	0.8	0.9	0.7

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	7.8	-	7	-
Total Cyanide	mg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
Free Cyanide	mg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	-	1.4	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	-	0.1	-
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	-	0.35	-
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	-	0.19	-
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	0.14	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	0.07	-
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	-	0.07	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	< 0.05	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	< 0.05	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	< 0.80	-	2.27	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	4.7	-	3.9	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	89	-	31	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	0.59	-	0.67	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	0.3	-	< 0.2	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	0.2	-	0.3	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	< 1.8	-	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	14	-	12	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	13	-	14	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	12	-	11	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	20	-	19	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	-	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	16	-	16	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	42	-	43	-

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Project / Site name: Warth Road Bury

Lab Sample Number				2786001	2786002	2786003	2786004	2786005
Sample Reference				DS13	DS19	DS19	DS09	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.60	1.30	3.80	1.90	3.80
Date Sampled				16/08/2023	10/08/2023	10/08/2023	14/08/2023	14/08/2023
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	µg/kg	5	MCERTS	-	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	-	< 5.0	< 5.0##	< 5.0	< 5.0##
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	-	< 5.0#	< 5.0	< 5.0#	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	< 0.005	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	21	-	-	-	-
p & m-xylene	mg/kg	0.005	MCERTS	35	-	-	-	-
o-xylene	mg/kg	0.005	MCERTS	27#	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	< 0.005	-	-	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	-	17	< 0.10	40	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	9.3	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	37	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	23	< 8.0	8.1	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	86	< 10	52	< 10

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	3.1	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	5.6	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	20	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	16	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	42	< 10	< 10	< 10

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786001	2786002	2786003	2786004	2786005
Sample Reference				DS13	DS19	DS19	DS09	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.60	1.30	3.80	1.90	3.80
Date Sampled				16/08/2023	10/08/2023	10/08/2023	14/08/2023	14/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Chloroethane	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
Bromomethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
Trichlorofluoromethane	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
1,1-dichloroethene	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
1,1-dichloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Chloroform	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
1,2-dichloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0##	-	< 5.0##	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	< 5.0	< 5.0##	-	< 5.0##	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Carbontetrachloride	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
1,2-dichloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Trichloroethene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Dibromomethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Bromodichloromethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	< 5.0##	-	< 5.0##	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0##	-	< 5.0##	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Dibromochloromethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Tetrachloroethene	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Chlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0##	-	< 5.0##	-
Ethylbenzene	µg/kg	5	MCERTS	21000	< 5.0	-	< 5.0	-
p & m-xylene	µg/kg	5	MCERTS	35000	< 5.0	-	< 5.0	-
Styrene	µg/kg	5	ISO 17025	< 5.0#	< 5.0#	-	< 5.0#	-
Bromoform	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
o-xylene	µg/kg	5	MCERTS	27000	< 5.0	-	< 5.0	-
Isopropylbenzene	µg/kg	5	ISO 17025	< 5.0#	< 5.0	-	< 5.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Bromobenzene	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
N-Propylbenzene	µg/kg	5	ISO 17025	< 5.0#	< 5.0	-	< 5.0	-
2-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0#	< 5.0	-	< 5.0	-
4-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	40000	< 5.0	-	< 5.0	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	24000	< 5.0#	-	9000#	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	820	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	4000	< 5.0	-	< 5.0	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-

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Lab Sample Number				2786001	2786002	2786003	2786004	2786005
Sample Reference				DS13	DS19	DS19	DS09	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.60	1.30	3.80	1.90	3.80
Date Sampled				16/08/2023	10/08/2023	10/08/2023	14/08/2023	14/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	< 5.0	87	-	1400	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0##	-	< 5.0##	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-
Hexachlorobutadiene	µg/kg	5	NONE	< 5.0	< 5.0	-	< 5.0	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	-	< 5.0	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786006	2786007	2786008	2786009	2786010
Sample Reference	DS11	DS11	DS12	DS12	DS12
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.30	3.80	0.50	1.00	4.70
Date Sampled	17/08/2023	17/08/2023	16/08/2023	16/08/2023	16/08/2023
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	37
Moisture Content	%	0.01	NONE	18	7.3
Total mass of sample received	kg	0.001	NONE	0.9	0.8

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

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.7	-	8.9	7.3	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	-
Free Cyanide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	4.9	2.9	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	0.13	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	3.2	0.26	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	2	0.17	-
Phenanthrene	mg/kg	0.05	MCERTS	0.16	-	4.5	0.4	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	1.3	0.07	-
Fluoranthene	mg/kg	0.05	MCERTS	0.16	-	3	0.19	-
Pyrene	mg/kg	0.05	MCERTS	0.18	-	2.5	0.16	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.11	-	0.75	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	0.12	-	1.1	0.07	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.09	-	0.76	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	-	0.25	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.06	-	0.53	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-	0.27	< 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	-	0.41	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	0.88	-	25.4	4.22	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.5	-	11	6.8	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	100	-	110	130	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.72	-	0.86	0.71	-
Boron (water soluble)	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	< 0.2	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	-	< 0.2	0.3	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	< 1.8	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	15	-	18	14	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	30	-	45	20	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	47	-	89	24	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	22	-	27	19	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	18	-	33	19	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	66	-	94	50	-

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Lab Sample Number				2786006	2786007	2786008	2786009	2786010
Sample Reference				DS11	DS11	DS12	DS12	DS12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.30	3.80	0.50	1.00	4.70
Date Sampled				17/08/2023	17/08/2023	16/08/2023	16/08/2023	16/08/2023
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	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	-	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0##	< 5.0	-	< 5.0##
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	14	-	6.9
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	-	25
o-xylene	µg/kg	5	MCERTS	< 5.0#	< 5.0	< 5.0	-	7.2
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	< 5.0

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	-	-	-	< 0.005	-
Toluene	mg/kg	0.005	MCERTS	-	-	-	< 0.005##	-
Ethylbenzene	mg/kg	0.005	MCERTS	-	-	-	0.034	-
p & m-xylene	mg/kg	0.005	MCERTS	-	-	-	0.24	-
o-xylene	mg/kg	0.005	MCERTS	-	-	-	0.24	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	-	-	-	< 0.005	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	-	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	-	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	58	< 0.10	1.7	-	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	26	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	< 2.0	64	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	58	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	< 8.0	920	-	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	58	< 10	1100	-	< 10

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	-	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	-	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	3.2	< 0.10	< 0.10	-	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	15	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	37	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	47	-	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	450	-	< 10
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	550	-	< 10

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Lab Sample Number				2786006	2786007	2786008	2786009	2786010
Sample Reference				DS11	DS11	DS12	DS12	DS12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.30	3.80	0.50	1.00	4.70
Date Sampled				17/08/2023	17/08/2023	16/08/2023	16/08/2023	16/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Chloroethane	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
Bromomethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
Trichlorofluoromethane	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,1-dichloroethene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Chloroform	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
Carbontetrachloride	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Trichloroethene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Dibromomethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Tetrachloroethene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Chlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	13	-	-
p & m-xylene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
Styrene	µg/kg	5	ISO 17025	< 5.0#	-	< 5.0#	-	-
Bromoform	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
o-xylene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	< 5.0	-	36	-	-
1,1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Bromobenzene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	6400#	-	26#	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-

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Lab Sample Number				2786006	2786007	2786008	2786009	2786010
Sample Reference				DS11	DS11	DS12	DS12	DS12
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.30	3.80	0.50	1.00	4.70
Date Sampled				17/08/2023	17/08/2023	16/08/2023	16/08/2023	16/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Hexachlorobutadiene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786011	2786012	2786013	2786014	2786015
Sample Reference	DS26	DS26	DS16	DS10	DS15
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.30	1.30	0.80	0.60	0.80
Date Sampled	17/08/2023	17/08/2023	14/08/2023	14/08/2023	15/08/2023
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
Moisture Content	%	0.01	NONE	9.1	7.6
Total mass of sample received	kg	0.001	NONE	0.7	0.8
				0.7	0.9

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	Chrysotile	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	Detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	0.006	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	0.006	-	-
Asbestos Analyst ID	N/A	N/A	N/A	ASE	N/A	ASE	ASE	ASE

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.1	7.5	9	8.1	11
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	2.7	< 0.05	0.24	0.52	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	2.8	< 0.05	0.16	0.48	< 0.05
Fluorene	mg/kg	0.05	MCERTS	3.2	< 0.05	0.09	0.34	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	12	0.09	1.1	3	0.11
Anthracene	mg/kg	0.05	MCERTS	2.8	< 0.05	0.21	0.68	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	9.6	0.05	1.5	3.1	0.12
Pyrene	mg/kg	0.05	MCERTS	7.8	0.06	1.3	2.6	0.14
Benzo(a)anthracene	mg/kg	0.05	MCERTS	3.4	< 0.05	0.59	1.2	< 0.05
Chrysene	mg/kg	0.05	MCERTS	3.3	< 0.05	0.54	1.2	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	3.5	< 0.05	0.7	1.1	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.5	< 0.05	0.24	0.61	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.6	< 0.05	0.52	0.97	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.2	< 0.05	0.26	0.56	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.37	< 0.05	0.06	0.14	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.4	< 0.05	0.33	0.63	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	58.2	< 0.80	7.76	17.1	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.5	11	14	22	8.2
Barium (aqua regia extractable)	mg/kg	1	MCERTS	320	55	280	130	74
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.88	0.58	1.1	1.7	0.25
Boron (water soluble)	mg/kg	0.2	MCERTS	0.2	< 0.2	< 0.2	0.6	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.6	< 0.2	< 0.2	< 0.2	0.5
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	12	27	16	34
Copper (aqua regia extractable)	mg/kg	1	MCERTS	29	12	38	64	43
Lead (aqua regia extractable)	mg/kg	1	MCERTS	51	9.9	150	72	110
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.8	< 0.3	< 0.3	< 0.3	3.6
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	20	17	32	34	24
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	22	15	28	42	12
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	130	52	130	59	230

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786011	2786012	2786013	2786014	2786015
Sample Reference				DS26	DS26	DS16	DS10	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.30	0.80	0.60	0.80
Date Sampled				17/08/2023	17/08/2023	14/08/2023	14/08/2023	15/08/2023
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	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	15	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	110	< 5.0	< 5.0	< 5.0	5.5
p & m-xylene	µg/kg	5	MCERTS	460	< 5.0	< 5.0	< 5.0	12
o-xylene	µg/kg	5	MCERTS	190	< 5.0	< 5.0	< 5.0	< 5.0#
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p & m-xylene	mg/kg	0.005	MCERTS	-	-	-	-	-
o-xylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	-	-	-	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	5.5	< 2.0	< 2.0	< 2.0	12
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	13	< 8.0	< 8.0	< 8.0	370
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	70	< 8.0	< 8.0	< 8.0	2700
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	88	< 10	< 10	< 10	3100

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	1.2	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	0.68	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	12	< 1.0	< 1.0	< 1.0	5.7
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	12	< 2.0	< 2.0	< 2.0	9.8
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	38	< 10	< 10	< 10	170
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	110	< 10	15	< 10	1500
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	180	< 10	22	12	1600

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786011	2786012	2786013	2786014	2786015
Sample Reference				DS26	DS26	DS16	DS10	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.30	0.80	0.60	0.80
Date Sampled				17/08/2023	17/08/2023	14/08/2023	14/08/2023	15/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0
Chloroethane	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
Bromomethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1-dichloroethene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Chloroform	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0##
1,2-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1-Dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2-dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Trichloroethene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Dibromomethane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0
Bromodichloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	15	-	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0
1,3-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Dibromochloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Tetrachloroethene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Chlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	110	-	< 5.0	< 5.0	5.5
p & m-xylene	µg/kg	5	MCERTS	460	-	< 5.0	< 5.0	12
Styrene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0#
Bromoform	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	190	-	< 5.0	< 5.0	< 5.0#
Isopropylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0#
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0#
Bromobenzene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0#
N-Propylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0##
4-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	39	-	< 5.0	< 5.0	< 5.0
Tert-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	110	-	< 5.0	< 5.0	< 5.0
Sec-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,3-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
P-Isopropyltoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,4-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0

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Project / Site name: Warth Road Bury

Lab Sample Number				2786011	2786012	2786013	2786014	2786015
Sample Reference				DS26	DS26	DS16	DS10	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.30	0.80	0.60	0.80
Date Sampled				17/08/2023	17/08/2023	14/08/2023	14/08/2023	15/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	< 5.0##	-	< 5.0##	< 5.0##	< 5.0
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	µg/kg	5	NONE	< 5.0	-	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	< 5.0	< 5.0

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786016	2786017	2786018	2786019	2786020
Sample Reference	DS15	DS18	DS21	DS13	DS24
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.20	0.80	0.60	1.30	0.40
Date Sampled	15/08/2023	15/08/2023	16/08/2023	16/08/2023	10/08/2023
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	52	< 0.1
Moisture Content	%	0.01	NONE	23	14
Total mass of sample received	kg	0.001	NONE	0.9	0.8

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

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	11	9.8	8.2	8.1	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	1.1	< 1.0	-
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.69	1.6	1.5	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	0.12	1.2	0.2	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	0.58	12	1.5	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	0.6	8.8	2.1	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	1.3	69	19	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	0.51	22	5.2	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	4.2	80	23	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	3.6	68	21	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.4	31	10	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	1.6	31	8.6	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.2	33	11	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.74	11	3.5	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.5	28	9.2	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.87	19	4.4	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.22	4.3	1.2	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.98	21	4.8	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	21.1	440	126	< 0.80	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	22	80	38	9.5	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	290	240	380	120	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.4	2.8	1.9	0.8	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.6	1	0.5	0.3	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	28	36	39	16	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	69	140	130	21	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	110	200	300	22	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	38	52	40	22	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	44	78	54	23	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	210	1100	360	54	-

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Project / Site name: Warth Road Bury

Lab Sample Number				2786016	2786017	2786018	2786019	2786020
Sample Reference				DS15	DS18	DS21	DS13	DS24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.20	0.80	0.60	1.30	0.40
Date Sampled				15/08/2023	15/08/2023	16/08/2023	16/08/2023	10/08/2023
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	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	11	< 5.0	< 5.0	< 5.0	-
p & m-xylene	µg/kg	5	MCERTS	11	31	< 5.0	< 5.0	-
o-xylene	µg/kg	5	MCERTS	43#	9.3#	< 5.0#	< 5.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.005
Toluene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.005
p & m-xylene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.005
o-xylene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.005
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	-	-	-	-	< 0.005

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	0.17	< 0.10	< 0.10	< 0.10	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	5.8	< 2.0	< 2.0	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	59	25	< 8.0	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	190	160	42	< 8.0	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	260	180	47	< 10	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	1.1	1.7	< 1.0	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	7.3	29	13	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	46	230	76	< 10	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	100	570	160	< 10	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	150	830	250	< 10	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786016	2786017	2786018	2786019	2786020
Sample Reference				DS15	DS18	DS21	DS13	DS24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.20	0.80	0.60	1.30	0.40
Date Sampled				15/08/2023	15/08/2023	16/08/2023	16/08/2023	10/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Chloroethane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
Bromomethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
Trichlorofluoromethane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
1,1-dichloroethene	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Chloroform	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	< 5.0##	< 5.0##	< 5.0##	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	-	-
Carbontetrachloride	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Trichloroethene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Dibromomethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Tetrachloroethene	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Chlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Ethylbenzene	µg/kg	5	MCERTS	11	< 5.0	< 5.0	-	-
p & m-xylene	µg/kg	5	MCERTS	11	31	< 5.0	-	-
Styrene	µg/kg	5	ISO 17025	< 5.0#	< 5.0#	< 5.0#	-	-
Bromoform	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
o-xylene	µg/kg	5	MCERTS	43#	9.3#	< 5.0#	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	10#	< 5.0#	< 5.0#	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0#	< 5.0#	< 5.0#	-	-
Bromobenzene	µg/kg	5	NONE	< 5.0#	< 5.0#	< 5.0#	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0##	< 5.0##	< 5.0##	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	19	< 5.0	< 5.0	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-

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Lab Sample Number				2786016	2786017	2786018	2786019	2786020
Sample Reference				DS15	DS18	DS21	DS13	DS24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.20	0.80	0.60	1.30	0.40
Date Sampled				15/08/2023	15/08/2023	16/08/2023	16/08/2023	10/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-
Hexachlorobutadiene	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786021	2786022	2786023	2786024	2786025
Sample Reference	DS25	DS19	DS04	DS14	DS05
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.40	0.70	0.40	0.40	0.60
Date Sampled	10/08/2023	10/08/2023	11/08/2023	14/08/2023	11/08/2023
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
Moisture Content	%	0.01	NONE	6.5	16
Total mass of sample received	kg	0.001	NONE	0.9	0.8

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

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	9	-	10.3	-	7.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0
Free Cyanide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	-	0.25
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	0.11	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	-	0.6
Fluorene	mg/kg	0.05	MCERTS	0.09	-	0.07	-	0.41
Phenanthrene	mg/kg	0.05	MCERTS	0.55	-	0.98	-	1.5
Anthracene	mg/kg	0.05	MCERTS	0.12	-	0.49	-	0.53
Fluoranthene	mg/kg	0.05	MCERTS	0.57	-	3.4	-	1.8
Pyrene	mg/kg	0.05	MCERTS	0.52	-	3.4	-	1.6
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.22	-	1.8	-	0.66
Chrysene	mg/kg	0.05	MCERTS	0.21	-	1.9	-	0.8
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.24	-	2.2	-	0.8
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.11	-	0.78	-	0.38
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.19	-	1.9	-	0.76
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.09	-	0.89	-	0.37
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	0.24	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.12	-	1	-	0.47

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	3.03	-	19.1	-	10.9
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.5	-	14	-	13
Barium (aqua regia extractable)	mg/kg	1	MCERTS	210	-	130	-	200
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.88	-	1.1	-	0.96
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	-	0.3	-	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	< 1.8	-	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	-	14	-	17
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26	-	37	-	36
Lead (aqua regia extractable)	mg/kg	1	MCERTS	30	-	67	-	53
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	0.4	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	26	-	23	-	24
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	21	-	26	-	26
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	64	-	64	-	79

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Lab Sample Number				2786021	2786022	2786023	2786024	2786025
Sample Reference				DS25	DS19	DS04	DS14	DS05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.70	0.40	0.40	0.60
Date Sampled				10/08/2023	10/08/2023	11/08/2023	14/08/2023	11/08/2023
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	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	-	< 5.0#	-	< 5.0#
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	< 5.0	-	< 5.0

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	-	< 0.005	-	< 0.005	-
Toluene	mg/kg	0.005	MCERTS	-	< 0.005	-	< 0.005	-
Ethylbenzene	mg/kg	0.005	MCERTS	-	< 0.005	-	< 0.005	-
p & m-xylene	mg/kg	0.005	MCERTS	-	< 0.005	-	< 0.005	-
o-xylene	mg/kg	0.005	MCERTS	-	< 0.005	-	< 0.005#	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	-	< 0.005	-	< 0.005	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	-	< 0.10	-	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	-	< 0.10	-	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	-	< 0.10	-	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	-	< 2.0	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	-	< 8.0	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	-	< 8.0	-	18
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	-	< 10	-	18

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	-	< 0.10	-	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	-	< 0.10	-	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	-	< 0.10	-	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	-	2.8	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	-	19	-	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	-	41	-	27
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	-	62	-	34

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Lab Sample Number				2786021	2786022	2786023	2786024	2786025
Sample Reference				DS25	DS19	DS04	DS14	DS05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.70	0.40	0.40	0.60
Date Sampled				10/08/2023	10/08/2023	11/08/2023	14/08/2023	11/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Chloroethane	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
Bromomethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Vinyl Chloride	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
1,1-dichloroethene	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
1,1-dichloroethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Chloroform	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	-	< 5.0##	< 5.0	< 5.0##
1,2-dichloroethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
1,2-dichloropropane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Trichloroethene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Dibromomethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Bromodichloromethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Dibromochloromethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Tetrachloroethene	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Chlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	< 5.0
Styrene	µg/kg	5	ISO 17025	-	-	< 5.0#	< 5.0	< 5.0#
Bromoform	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	-	-	< 5.0#	< 5.0#	< 5.0#
Isopropylbenzene	µg/kg	5	ISO 17025	-	-	< 5.0#	< 5.0	< 5.0#
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	< 5.0#	< 5.0	< 5.0#
Bromobenzene	µg/kg	5	NONE	-	-	< 5.0#	< 5.0	< 5.0#
N-Propylbenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	µg/kg	5	ISO 17025	-	-	< 5.0##	< 5.0	< 5.0##
4-Chlorotoluene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786021	2786022	2786023	2786024	2786025
Sample Reference				DS25	DS19	DS04	DS14	DS05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.70	0.40	0.40	0.60
Date Sampled				10/08/2023	10/08/2023	11/08/2023	14/08/2023	11/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	< 5.0

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786026	2786027	2786028	2786029	2786030
Sample Reference	DS06	DS07	DS23	DS11	DS08
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.70	0.80	0.50	0.30	0.40
Date Sampled	11/08/2023	11/08/2023	15/08/2023	17/08/2023	11/08/2023
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
Moisture Content	%	0.01	NONE	8.2	11
Total mass of sample received	kg	0.001	NONE	0.8	0.9
				1	0.9
				0.9	0.8

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

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	8.1	7.6	-	-
Total Cyanide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	-	-
Free Cyanide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	0.48	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	0.15	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	0.09	0.66	-	-
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	0.14	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	0.12	0.75	-	-
Pyrene	mg/kg	0.05	MCERTS	-	0.12	0.74	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	0.05	0.46	-	-
Chrysene	mg/kg	0.05	MCERTS	-	0.05	0.46	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	< 0.05	0.56	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	< 0.05	0.26	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	0.45	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	0.22	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	0.3	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	< 0.80	5.63	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	6.3	39	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	210	220	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	0.71	1.8	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	0.3	0.8	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	0.4	< 0.2	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	< 1.8	< 1.8	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	15	20	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	19	92	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	19	110	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	0.6	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	20	38	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	19	49	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	64	110	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786026	2786027	2786028	2786029	2786030
Sample Reference	DS06	DS07	DS23	DS11	DS08
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.70	0.80	0.50	0.30	0.40
Date Sampled	11/08/2023	11/08/2023	15/08/2023	17/08/2023	11/08/2023
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	µg/kg	5	MCERTS	-	< 5.0	< 5.0	-	-
Toluene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	-	-
p & m-xylene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	-	-
o-xylene	µg/kg	5	MCERTS	-	< 5.0#	< 5.0#	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	< 0.005	-	-	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	-	-	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	-	-	< 0.005	< 0.005
p & m-xylene	mg/kg	0.005	MCERTS	< 0.005	-	-	< 0.005	< 0.005
o-xylene	mg/kg	0.005	MCERTS	< 0.005	-	-	< 0.005	< 0.005
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	< 0.005	-	-	< 0.005	< 0.005

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	< 1.0	< 1.0	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	< 2.0	8.8	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	< 8.0	47	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	< 8.0	33	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	< 10	88	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	< 1.0	< 1.0	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	< 2.0	2.1	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	< 10	15	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	< 10	15	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	< 10	33	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786026	2786027	2786028	2786029	2786030
Sample Reference				DS06	DS07	DS23	DS11	DS08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.80	0.50	0.30	0.40
Date Sampled				11/08/2023	11/08/2023	15/08/2023	17/08/2023	11/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Chloroethane	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
Bromomethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Vinyl Chloride	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
Trichlorofluoromethane	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
1,1-dichloroethene	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Chloroform	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	< 5.0##	< 5.0##	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Benzene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	-	-
Carbontetrachloride	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Trichloroethene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Dibromomethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Toluene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Tetrachloroethene	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Chlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	-	-
p & m-xylene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	-	-
Styrene	µg/kg	5	ISO 17025	-	< 5.0#	< 5.0#	-	-
Bromoform	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
o-xylene	µg/kg	5	MCERTS	-	< 5.0#	< 5.0#	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	-	< 5.0#	< 5.0#	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	< 5.0#	< 5.0#	-	-
Bromobenzene	µg/kg	5	NONE	-	< 5.0#	< 5.0#	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	-	< 5.0##	< 5.0##	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786026	2786027	2786028	2786029	2786030
Sample Reference				DS06	DS07	DS23	DS11	DS08
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.80	0.50	0.30	0.40
Date Sampled				11/08/2023	11/08/2023	15/08/2023	17/08/2023	11/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-
Hexachlorobutadiene	µg/kg	5	NONE	-	< 5.0	< 5.0	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786031			2786032	2786033	2786034	2786035
Sample Reference	DS22			DS11	DS09	DS16	DS24
Sample Number	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.50			0.90	0.70	2.40	1.20
Date Sampled	16/08/2023			17/08/2023	14/08/2023	14/08/2023	10/08/2023
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
Moisture Content	%	0.01	NONE	12	8.4	23	19
Total mass of sample received	kg	0.001	NONE	0.9	0.9	0.8	0.9

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile	-	Chrysotile	Chrysotile	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Not-detected	Detected	Detected	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	0.002	-	0.009	< 0.001	-
Asbestos Quantification Total	%	0.001	ISO 17025	0.002	-	0.009	< 0.001	-
Asbestos Analyst ID	N/A	N/A	N/A	KSZ	SPU	SPU	SPU	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	8	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
Free Cyanide	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	0.06	0.59	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	0.08	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	-	-	0.06	0.1	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	0.73	0.42	-
Anthracene	mg/kg	0.05	MCERTS	-	-	0.15	0.08	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	1.5	0.39	-
Pyrene	mg/kg	0.05	MCERTS	-	-	1.5	0.48	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	0.86	0.29	-
Chrysene	mg/kg	0.05	MCERTS	-	-	0.89	0.36	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	1.1	0.47	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	0.44	0.17	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	0.96	0.37	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	0.48	0.2	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	0.13	0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	0.52	0.24	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	9.4	4.21	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	98	9.7	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	190	110	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	2	0.81	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	0.3	0.3	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	< 0.2	0.7	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	< 1.8	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	57	20	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	110	37	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	220	74	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	0.4	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	41	18	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	44	25	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	160	130	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786031	2786032	2786033	2786034	2786035
Sample Reference	DS22	DS11	DS09	DS16	DS24
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.50	0.90	0.70	2.40	1.20
Date Sampled	16/08/2023	17/08/2023	14/08/2023	14/08/2023	10/08/2023
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	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	< 5.0	< 5.0	< 5.0

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	-	-	-
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	-	-	-
p & m-xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	-	-	-
o-xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	< 0.005	< 0.005	-	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	26	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	28	< 10	< 10

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	17	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	19	< 10	< 10

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Project / Site name: Warth Road Bury

Lab Sample Number				2786031	2786032	2786033	2786034	2786035
Sample Reference				DS22	DS11	DS09	DS16	DS24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.90	0.70	2.40	1.20
Date Sampled				16/08/2023	17/08/2023	14/08/2023	14/08/2023	10/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Chloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromomethane	µg/kg	5	ISO 17025	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	-	-
1,1-dichloroethene	µg/kg	5	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Chloroform	µg/kg	5	NONE	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Carbontetrachloride	µg/kg	5	NONE	-	-	-	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Trichloroethene	µg/kg	5	ISO 17025	-	-	-	-	-
Dibromomethane	µg/kg	5	ISO 17025	-	-	-	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	-	-	-	-
Chlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
Styrene	µg/kg	5	ISO 17025	-	-	-	-	-
Bromoform	µg/kg	5	NONE	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
Bromobenzene	µg/kg	5	NONE	-	-	-	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	-	-	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-

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Project / Site name: Warth Road Bury

Lab Sample Number				2786031	2786032	2786033	2786034	2786035
Sample Reference				DS22	DS11	DS09	DS16	DS24
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.90	0.70	2.40	1.20
Date Sampled				16/08/2023	17/08/2023	14/08/2023	14/08/2023	10/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Project / Site name: Warth Road Bury

Lab Sample Number				2786036	2786037	2786038	2786039	2786040
Sample Reference				DS02	DS04	DS05	DS07	DS14
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.80	0.80	0.90	1.50	2.70
Date Sampled				10/08/2023	11/08/2023	11/08/2023	11/08/2023	14/08/2023
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	39	19
Moisture Content	%	0.01	NONE	10	7.9	17	2.3	10
Total mass of sample received	kg	0.001	NONE	0.8	0.9	1	0.8	0.7

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786036	2786037	2786038	2786039	2786040
Sample Reference				DS02	DS04	DS05	DS07	DS14
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.80	0.80	0.90	1.50	2.70
Date Sampled				10/08/2023	11/08/2023	11/08/2023	11/08/2023	14/08/2023
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	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	6.4	8.3	15
o-xylene	µg/kg	5	MCERTS	< 5.0#	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	-	-	-	-	-
Toluene	mg/kg	0.005	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	-
p & m-xylene	mg/kg	0.005	MCERTS	-	-	-	-	-
o-xylene	mg/kg	0.005	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	-	-	-	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	38	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	4	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	16	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	22	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	80	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786036	2786037	2786038	2786039	2786040
Sample Reference				DS02	DS04	DS05	DS07	DS14
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.80	0.80	0.90	1.50	2.70
Date Sampled				10/08/2023	11/08/2023	11/08/2023	11/08/2023	14/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Chloroethane	µg/kg	5	NONE	< 5.0	-	-	-	-
Bromomethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	-	-	-
Trichlorofluoromethane	µg/kg	5	NONE	< 5.0	-	-	-	-
1,1-dichloroethene	µg/kg	5	NONE	< 5.0	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 5.0	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	< 5.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	-	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Chloroform	µg/kg	5	NONE	< 5.0	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	< 5.0##	-	-	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Carbontetrachloride	µg/kg	5	NONE	< 5.0	-	-	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Trichloroethene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Dibromomethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	< 5.0	-	-	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Chlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Styrene	µg/kg	5	ISO 17025	< 5.0#	-	-	-	-
Bromoform	µg/kg	5	NONE	< 5.0	-	-	-	-
o-xylene	µg/kg	5	MCERTS	< 5.0#	-	-	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	< 5.0#	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0#	-	-	-	-
Bromobenzene	µg/kg	5	NONE	< 5.0#	-	-	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	560	-	-	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0##	-	-	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	3900	-	-	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	590	-	-	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-

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Project / Site name: Warth Road Bury

Lab Sample Number				2786036	2786037	2786038	2786039	2786040
Sample Reference				DS02	DS04	DS05	DS07	DS14
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.80	0.80	0.90	1.50	2.70
Date Sampled				10/08/2023	11/08/2023	11/08/2023	11/08/2023	14/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	< 5.0	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Hexachlorobutadiene	µg/kg	5	NONE	< 5.0	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786041	2786042	2786043	2786044	2786045
Sample Reference	DS15	DS21	DS10	DS18	DS18
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.60	2.30	2.50	1.70	4.50
Date Sampled	15/08/2023	16/08/2023	14/08/2023	15/08/2023	15/08/2023
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	23
Moisture Content	%	0.01	NONE	38	9
Total mass of sample received	kg	0.001	NONE	1	0.8

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	7.2	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	< 1.0	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	< 1.0	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	-	0.16	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	0.11	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	0.05	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	0.06	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	< 0.80	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	12	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	120	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	1	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	1	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	19	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	26	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	28	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	24	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	25	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	62	-

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Lab Sample Number	2786041	2786042	2786043	2786044	2786045
Sample Reference	DS15	DS21	DS10	DS18	DS18
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.60	2.30	2.50	1.70	4.50
Date Sampled	15/08/2023	16/08/2023	14/08/2023	15/08/2023	15/08/2023
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	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	7.9	4800	-
p & m-xylene	µg/kg	5	MCERTS	1100	14	720	32000	-
o-xylene	µg/kg	5	MCERTS	< 5.0#	< 5.0#	10#	2100#	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.005
Toluene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	-	-	-	-	< 0.005
p & m-xylene	mg/kg	0.005	MCERTS	-	-	-	-	0.18
o-xylene	mg/kg	0.005	MCERTS	-	-	-	-	0.049
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	-	-	-	-	< 0.005

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	0.55	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 16 +	< 1.0	< 1.0	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	28\$\$	< 2.0	< 2.0	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	1600\$\$	< 8.0	< 8.0	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	13000\$\$	< 8.0	< 8.0	< 8.0	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	15000\$\$	< 10	< 10	< 10	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	1.3	< 0.10	0.82	33	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 16 +	< 1.0	< 1.0	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	49\$\$	< 2.0	< 2.0	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	720\$\$	< 10	< 10	< 10	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	4100\$\$	< 10	< 10	< 10	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	4800\$\$	< 10	< 10	36	-

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Project / Site name: Warth Road Bury

Lab Sample Number				2786041	2786042	2786043	2786044	2786045
Sample Reference				DS15	DS21	DS10	DS18	DS18
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.60	2.30	2.50	1.70	4.50
Date Sampled				15/08/2023	16/08/2023	14/08/2023	15/08/2023	15/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Chloroethane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
Bromomethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
Trichlorofluoromethane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
1,1-dichloroethene	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
1,1-dichloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Chloroform	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	< 5.0##	< 5.0##	< 5.0##	< 5.0##	-
1,2-dichloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
Carbontetrachloride	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
1,2-dichloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Trichloroethene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Dibromomethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Bromodichloromethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Dibromochloromethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Tetrachloroethene	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Chlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	7.9	4800	-
p & m-xylene	µg/kg	5	MCERTS	1100	13	720	32000	-
Styrene	µg/kg	5	ISO 17025	< 5.0#	< 5.0#	< 5.0#	< 5.0#	-
Bromoform	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
o-xylene	µg/kg	5	MCERTS	< 5.0#	< 5.0#	10#	2100#	-
Isopropylbenzene	µg/kg	5	ISO 17025	< 5.0#	< 5.0#	< 5.0#	52#	-
1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0#	< 5.0#	< 5.0#	< 5.0#	-
Bromobenzene	µg/kg	5	NONE	< 5.0#	< 5.0#	< 5.0#	< 5.0#	-
N-Propylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	95	-
2-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0##	< 5.0##	< 5.0##	< 5.0##	-
4-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	13	470	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	34	1600	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	53	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-

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Lab Sample Number				2786041	2786042	2786043	2786044	2786045
Sample Reference				DS15	DS21	DS10	DS18	DS18
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.60	2.30	2.50	1.70	4.50
Date Sampled				15/08/2023	16/08/2023	14/08/2023	15/08/2023	15/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-
	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	-
	µg/kg	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786046	2786047	2786048	2786049	2786050
Sample Reference				DS12	DS12	DS26	DS10	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.80	2.60	0.60	1.50	0.10
Date Sampled				16/08/2023	16/08/2023	17/08/2023	14/08/2023	15/08/2023
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	49	< 0.1	< 0.1	40
Moisture Content	%	0.01	NONE	4.4	7.1	10	19	5.5
Total mass of sample received	kg	0.001	NONE	1.1	0.9	1	0.8	0.9

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

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	< 1.0	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	< 1.0	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	-	0.17	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	0.14	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	< 0.80	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	13	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	130	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	1.1	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	0.6	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	20	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	32	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	41	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	27	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	26	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	67	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786046	2786047	2786048	2786049	2786050
Sample Reference				DS12	DS12	DS26	DS10	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.80	2.60	0.60	1.50	0.10
Date Sampled				16/08/2023	16/08/2023	17/08/2023	14/08/2023	15/08/2023
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	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	7.1	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	25	-	-	-	-
o-xylene	µg/kg	5	MCERTS	6.1#	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	-	-	-

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	-	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	-	< 0.005	0.009	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	-	10	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.005	MCERTS	-	5.7	0.01	< 0.005	< 0.005
o-xylene	mg/kg	0.005	MCERTS	-	< 0.005	< 0.005	< 0.005#	< 0.005
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	-	< 0.005	< 0.005	< 0.005	< 0.005

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	< 0.10	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	< 8.0	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	< 10	-	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	< 0.10	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	< 1.0	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	< 2.0	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	< 10	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	< 10	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786046	2786047	2786048	2786049	2786050
Sample Reference				DS12	DS12	DS26	DS10	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.80	2.60	0.60	1.50	0.10
Date Sampled				16/08/2023	16/08/2023	17/08/2023	14/08/2023	15/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Chloroethane	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
Bromomethane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
Trichlorofluoromethane	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
1,1-dichloroethene	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
1,1-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Chloroform	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	< 5.0##	-	-	< 5.0	-
1,2-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Benzene	µg/kg	5	MCERTS	< 5.0	-	-	< 5.0	-
Carbontetrachloride	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
1,2-dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Trichloroethene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Dibromomethane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Bromodichloromethane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	-	< 5.0	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Dibromochloromethane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Tetrachloroethene	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Chlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	7.1	-	-	< 5.0	-
p & m-xylene	µg/kg	5	MCERTS	25	-	-	< 5.0	-
Styrene	µg/kg	5	ISO 17025	< 5.0#	-	-	< 5.0	-
Bromoform	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
o-xylene	µg/kg	5	MCERTS	6.1#	-	-	< 5.0#	-
Isopropylbenzene	µg/kg	5	ISO 17025	< 5.0#	-	-	< 5.0	-
1,1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0#	-	-	< 5.0	-
Bromobenzene	µg/kg	5	NONE	< 5.0#	-	-	< 5.0	-
N-Propylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
2-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0##	-	-	< 5.0	-
4-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	10	-	-	< 5.0	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	40	-	-	< 5.0	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786046	2786047	2786048	2786049	2786050
Sample Reference				DS12	DS12	DS26	DS10	DS15
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.80	2.60	0.60	1.50	0.10
Date Sampled				16/08/2023	16/08/2023	17/08/2023	14/08/2023	15/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-
Hexachlorobutadiene	µg/kg	5	NONE	< 5.0	-	-	< 5.0	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	< 5.0	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786051	2786052	2786053	2786054	2786055
Sample Reference				DS15	DS13	DS13	DS06	DS07
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.60	0.30	0.70	0.40	0.40
Date Sampled				15/08/2023	16/08/2023	16/08/2023	11/08/2023	11/08/2023
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	45	41
Moisture Content	%	0.01	NONE	11	9.9	11	1.6	2.8
Total mass of sample received	kg	0.001	NONE	0.8	1.1	1	1.1	0.8

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
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU	SPU	N/A	SPU

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Free Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.71	0.17	0.33	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	0.05	0.09	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	0.23	0.29	< 0.05	-	-
Fluorene	mg/kg	0.05	MCERTS	0.18	0.14	< 0.05	-	-
Phenanthrene	mg/kg	0.05	MCERTS	2.2	2.4	0.6	-	-
Anthracene	mg/kg	0.05	MCERTS	0.44	1.1	0.1	-	-
Fluoranthene	mg/kg	0.05	MCERTS	4.2	18	1.3	-	-
Pyrene	mg/kg	0.05	MCERTS	4	17	1.4	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.9	7.4	0.53	-	-
Chrysene	mg/kg	0.05	MCERTS	2.2	7.8	0.66	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.9	12	0.9	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	1.1	3.8	0.3	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.5	10	0.69	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.3	6	0.39	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.26	1.2	0.1	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.5	6.8	0.44	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	25.5	93.8	7.67	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	26	28	48	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	290	150	140	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.6	2	2.6	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	0.5	0.3	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	30	18	15	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	97	110	100	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	160	100	110	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	44	39	44	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	55	54	75	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	150	69	69	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786051	2786052	2786053	2786054	2786055
Sample Reference	DS15	DS13	DS13	DS06	DS07
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	1.60	0.30	0.70	0.40	0.40
Date Sampled	15/08/2023	16/08/2023	16/08/2023	11/08/2023	11/08/2023
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	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	0.01	< 0.005
o-xylene	mg/kg	0.005	MCERTS	< 0.005#	< 0.005	< 0.005#	< 0.005	< 0.005
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786051	2786052	2786053	2786054	2786055
Sample Reference				DS15	DS13	DS13	DS06	DS07
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.60	0.30	0.70	0.40	0.40
Date Sampled				15/08/2023	16/08/2023	16/08/2023	11/08/2023	11/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Chloroethane	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
Bromomethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
Trichlorofluoromethane	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,1-dichloroethene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Chloroform	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
Carbontetrachloride	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Trichloroethene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Dibromomethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Tetrachloroethene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Chlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
p & m-xylene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
Styrene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Bromoform	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
o-xylene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Bromobenzene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786051	2786052	2786053	2786054	2786055
Sample Reference				DS15	DS13	DS13	DS06	DS07
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.60	0.30	0.70	0.40	0.40
Date Sampled				15/08/2023	16/08/2023	16/08/2023	11/08/2023	11/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-
Hexachlorobutadiene	µg/kg	5	NONE	< 5.0	-	< 5.0	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	< 5.0	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786056	2786057	2786058	2786059	2786060
Sample Reference				DS12	DS19	DS19	DS09	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.00	1.80	1.60	2.60
Date Sampled				16/08/2023	10/08/2023	10/08/2023	14/08/2023	14/08/2023
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	56	< 0.1	30	< 0.1	73
Moisture Content	%	0.01	NONE	7.4	7.1	6.7	19	8.5
Total mass of sample received	kg	0.001	NONE	0.9	0.7	0.8	1	1.1

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	< 0.001	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	< 0.001	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	SPU	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	9.8	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.23	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	0.05	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	0.25	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	0.22	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	2.3	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	0.78	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	4.9	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	4.9	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	3.3	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	3.4	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	4.7	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	2.1	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	4.6	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.8	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.6	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	2.8	-	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	37.9	-	-	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.7	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	120	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.7	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.7	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	17	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	49	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	21	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	71	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786056	2786057	2786058	2786059	2786060
Sample Reference				DS12	DS19	DS19	DS09	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.00	1.80	1.60	2.60
Date Sampled				16/08/2023	10/08/2023	10/08/2023	14/08/2023	14/08/2023
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	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.005	MCERTS	< 0.005##	< 0.005	< 0.005	< 0.005	< 0.005
o-xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786056	2786057	2786058	2786059	2786060
Sample Reference				DS12	DS19	DS19	DS09	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.00	1.80	1.60	2.60
Date Sampled				16/08/2023	10/08/2023	10/08/2023	14/08/2023	14/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Chloroethane	µg/kg	5	NONE	< 5.0	-	-	-	-
Bromomethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	-	-	-
Trichlorofluoromethane	µg/kg	5	NONE	< 5.0	-	-	-	-
1,1-dichloroethene	µg/kg	5	NONE	< 5.0	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 5.0	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	< 5.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	-	-	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Chloroform	µg/kg	5	NONE	< 5.0	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Carbontetrachloride	µg/kg	5	NONE	< 5.0	-	-	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Trichloroethene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Dibromomethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	< 5.0	-	-	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Chlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	< 5.0##	-	-	-	-
Styrene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Bromoform	µg/kg	5	NONE	< 5.0	-	-	-	-
o-xylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Bromobenzene	µg/kg	5	NONE	< 5.0	-	-	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786056	2786057	2786058	2786059	2786060
Sample Reference				DS12	DS19	DS19	DS09	DS09
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.00	1.80	1.60	2.60
Date Sampled				16/08/2023	10/08/2023	10/08/2023	14/08/2023	14/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
	Butylbenzene	µg/kg	5	NONE	< 5.0	-	-	-
	1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	< 5.0	-	-	-
	1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-
	Hexachlorobutadiene	µg/kg	5	NONE	< 5.0	-	-	-
	1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	< 5.0	-	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786061	2786062	2786063	2786064	2786065
Sample Reference				DS13	DS12	DS22	DS26	DS11
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.60	3.70	1.00	2.60	1.60
Date Sampled				16/08/2023	16/08/2023	16/08/2023	17/08/2023	17/08/2023
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	19	34	< 0.1	34	< 0.1
Moisture Content	%	0.01	NONE	11	9	11	7.7	20
Total mass of sample received	kg	0.001	NONE	1.2	0.9	0.8	0.7	1.1

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786061	2786062	2786063	2786064	2786065
Sample Reference	DS13	DS12	DS22	DS26	DS11
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	4.60	3.70	1.00	2.60	1.60
Date Sampled	16/08/2023	16/08/2023	16/08/2023	17/08/2023	17/08/2023
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	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	0.47	< 0.005	0.009	< 0.005	< 0.005
p & m-xylene	mg/kg	0.005	MCERTS	2.2	< 0.005	0.26	< 0.005	< 0.005
o-xylene	mg/kg	0.005	MCERTS	0.23	< 0.005	0.055	< 0.005	< 0.005
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786061	2786062	2786063	2786064	2786065
Sample Reference				DS13	DS12	DS22	DS26	DS11
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.60	3.70	1.00	2.60	1.60
Date Sampled				16/08/2023	16/08/2023	16/08/2023	17/08/2023	17/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Chloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromomethane	µg/kg	5	ISO 17025	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	-	-
1,1-dichloroethene	µg/kg	5	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Chloroform	µg/kg	5	NONE	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Carbontetrachloride	µg/kg	5	NONE	-	-	-	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Trichloroethene	µg/kg	5	ISO 17025	-	-	-	-	-
Dibromomethane	µg/kg	5	ISO 17025	-	-	-	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	-	-	-	-
Chlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
Styrene	µg/kg	5	ISO 17025	-	-	-	-	-
Bromoform	µg/kg	5	NONE	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
Bromobenzene	µg/kg	5	NONE	-	-	-	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	-	-	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786061	2786062	2786063	2786064	2786065
Sample Reference				DS13	DS12	DS22	DS26	DS11
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.60	3.70	1.00	2.60	1.60
Date Sampled				16/08/2023	16/08/2023	16/08/2023	17/08/2023	17/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786066	2786067	2786068	2786069	2786070
Sample Reference				DS11	DS11	DS02	DS24	DS25
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.90	2.80	3.60	2.80	0.80
Date Sampled				17/08/2023	17/08/2023	10/08/2023	10/08/2023	10/08/2023
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	47	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	19	20	9.3	9.5	4.8
Total mass of sample received	kg	0.001	NONE	1	0.9	0.8	0.7	0.9

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786066	2786067	2786068	2786069	2786070
Sample Reference				DS11	DS11	DS02	DS24	DS25
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.90	2.80	3.60	2.80	0.80
Date Sampled				17/08/2023	17/08/2023	10/08/2023	10/08/2023	10/08/2023
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	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
o-xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786066	2786067	2786068	2786069	2786070
Sample Reference				DS11	DS11	DS02	DS24	DS25
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.90	2.80	3.60	2.80	0.80
Date Sampled				17/08/2023	17/08/2023	10/08/2023	10/08/2023	10/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Chloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromomethane	µg/kg	5	ISO 17025	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	-	-
1,1-dichloroethene	µg/kg	5	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Chloroform	µg/kg	5	NONE	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Carbontetrachloride	µg/kg	5	NONE	-	-	-	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Trichloroethene	µg/kg	5	ISO 17025	-	-	-	-	-
Dibromomethane	µg/kg	5	ISO 17025	-	-	-	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	-	-	-	-
Chlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
Styrene	µg/kg	5	ISO 17025	-	-	-	-	-
Bromoform	µg/kg	5	NONE	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
Bromobenzene	µg/kg	5	NONE	-	-	-	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	-	-	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786066	2786067	2786068	2786069	2786070
Sample Reference				DS11	DS11	DS02	DS24	DS25
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.90	2.80	3.60	2.80	0.80
Date Sampled				17/08/2023	17/08/2023	10/08/2023	10/08/2023	10/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786071	2786072	2786073	2786074	2786075
Sample Reference				DS02	DS06	DS06	DS08	DS14
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.80	1.00	2.80	0.80	3.50
Date Sampled				10/08/2023	11/08/2023	11/08/2023	11/08/2023	14/08/2023
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	18	13	14	6.6	17
Total mass of sample received	kg	0.001	NONE	0.8	0.9	0.8	0.7	0.7

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786071	2786072	2786073	2786074	2786075
Sample Reference	DS02	DS06	DS06	DS08	DS14
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	3.80	1.00	2.80	0.80	3.50
Date Sampled	10/08/2023	11/08/2023	11/08/2023	11/08/2023	14/08/2023
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	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
p & m-xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
o-xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786071	2786072	2786073	2786074	2786075
Sample Reference				DS02	DS06	DS06	DS08	DS14
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.80	1.00	2.80	0.80	3.50
Date Sampled				10/08/2023	11/08/2023	11/08/2023	11/08/2023	14/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Chloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromomethane	µg/kg	5	ISO 17025	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	-	-
1,1-dichloroethene	µg/kg	5	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Chloroform	µg/kg	5	NONE	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Carbontetrachloride	µg/kg	5	NONE	-	-	-	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Trichloroethene	µg/kg	5	ISO 17025	-	-	-	-	-
Dibromomethane	µg/kg	5	ISO 17025	-	-	-	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	-	-	-	-
Chlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
Styrene	µg/kg	5	ISO 17025	-	-	-	-	-
Bromoform	µg/kg	5	NONE	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
Bromobenzene	µg/kg	5	NONE	-	-	-	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	-	-	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786071	2786072	2786073	2786074	2786075
Sample Reference				DS02	DS06	DS06	DS08	DS14
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.80	1.00	2.80	0.80	3.50
Date Sampled				10/08/2023	11/08/2023	11/08/2023	11/08/2023	14/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786076	2786077	2786078	2786079
Sample Reference				DS16	DS23	DS23	DS21
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.90	0.90	3.50	1.30
Date Sampled				14/08/2023	15/08/2023	15/08/2023	16/08/2023
Time Taken				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	42	< 0.1
Moisture Content	%	0.01	NONE	13	21	9	14
Total mass of sample received	kg	0.001	NONE	0.7	0.9	0.9	0.8

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number	2786076	2786077	2786078	2786079
Sample Reference	DS16	DS23	DS23	DS21
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.90	0.90	3.50	1.30
Date Sampled	14/08/2023	15/08/2023	15/08/2023	16/08/2023
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-

Monoaromatics & Oxygenates

Benzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005
Toluene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	< 0.005	< 0.005
Ethylbenzene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	0.065	< 0.005
p & m-xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	0.025	< 0.005
o-xylene	mg/kg	0.005	MCERTS	< 0.005	< 0.005	0.088	< 0.005
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.005	NONE	< 0.005	< 0.005	< 0.005	< 0.005

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.1	NONE	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.1	NONE	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786076	2786077	2786078	2786079
Sample Reference				DS16	DS23	DS23	DS21
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.90	0.90	3.50	1.30
Date Sampled				14/08/2023	15/08/2023	15/08/2023	16/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
VOCs							
Chloromethane	µg/kg	5	ISO 17025	-	-	-	-
Chloroethane	µg/kg	5	NONE	-	-	-	-
Bromomethane	µg/kg	5	ISO 17025	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	-
1,1-dichloroethene	µg/kg	5	NONE	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-
Chloroform	µg/kg	5	NONE	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-
Carbontetrachloride	µg/kg	5	NONE	-	-	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	-	-	-	-
Trichloroethene	µg/kg	5	ISO 17025	-	-	-	-
Dibromomethane	µg/kg	5	ISO 17025	-	-	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	-	-	-
Chlorobenzene	µg/kg	5	ISO 17025	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-
Styrene	µg/kg	5	ISO 17025	-	-	-	-
Bromoform	µg/kg	5	NONE	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-
Bromobenzene	µg/kg	5	NONE	-	-	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	-	-	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	-	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-

Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury

Lab Sample Number				2786076	2786077	2786078	2786079
Sample Reference				DS16	DS23	DS23	DS21
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.90	0.90	3.50	1.30
Date Sampled				14/08/2023	15/08/2023	15/08/2023	16/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Butylbenzene	µg/kg	5	NONE	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 23-51902
Project / Site name: Warth Road Bury
Your Order No:

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
2786013	DS16	0.80	132	Loose Fibrous Debris	Chrysotile	0.006	0.006
2786018	DS21	0.60	152	Loose Fibrous Debris	Chrysotile	< 0.001	< 0.001
2786021	DS25	0.40	154	Loose Fibres	Amosite	< 0.001	< 0.001
2786029	DS11	0.30	159	Loose Fibres	Chrysotile	< 0.001	< 0.001
2786031	DS22	0.50	129	Loose Fibres	Chrysotile	0.002	0.002
2786033	DS09	0.70	106	Loose Fibres	Chrysotile	0.009	0.009
2786034	DS16	2.40	130	Loose Fibres	Chrysotile	< 0.001	< 0.001
2786056	DS12	0.30	164	Loose Fibres	Chrysotile	< 0.001	< 0.001

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

Analytical Report Number : 23-51902

Project / Site name: Warth Road Bury

* 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 *
2785996	DS18	None Supplied	2.5	Brown sand with gravel and stones.
2785997	DS18	None Supplied	3.5	Brown sand with gravel and stones.
2785998	DS22	None Supplied	1.8	Brown sand with gravel and stones.
2785999	DS22	None Supplied	2.7	Brown sand with gravel and stones.
2786000	DS13	None Supplied	2.6	Brown sand with gravel.
2786001	DS13	None Supplied	3.6	Brown sand with gravel and stones.
2786002	DS19	None Supplied	1.3	Brown sand with gravel and stones.
2786003	DS19	None Supplied	3.8	Brown clay and sand.
2786004	DS09	None Supplied	1.9	Brown sand with gravel and stones.
2786005	DS09	None Supplied	3.8	Brown clay and sand.
2786006	DS11	None Supplied	2.3	Brown clay and sand.
2786007	DS11	None Supplied	3.8	Brown sand with gravel and stones.
2786008	DS12	None Supplied	0.5	Brown sand with gravel and stones.
2786009	DS12	None Supplied	1	Brown sand with gravel.
2786010	DS12	None Supplied	4.7	Brown sandy clay.
2786011	DS26	None Supplied	0.3	Brown sand with gravel.
2786012	DS26	None Supplied	1.3	Brown sand with gravel.
2786013	DS16	None Supplied	0.8	Brown sand with gravel.
2786014	DS10	None Supplied	0.6	Brown gravelly sand with brick.
2786015	DS15	None Supplied	0.8	Brown sand with gravel.
2786016	DS15	None Supplied	2.2	Black sand with gravel and stones.
2786017	DS18	None Supplied	0.8	Brown clay and sand with gravel and clinker.
2786018	DS21	None Supplied	0.6	Brown sandy clay with gravel.
2786019	DS13	None Supplied	1.3	Brown clay and sand with gravel.
2786020	DS24	None Supplied	0.4	Brown sandy clay with gravel.
2786021	DS25	None Supplied	0.4	Brown clay and sand with gravel.
2786022	DS19	None Supplied	0.7	Brown sandy clay with gravel.
2786023	DS04	None Supplied	0.4	Brown sandy clay with gravel.
2786024	DS14	None Supplied	0.4	Brown clay and sand with gravel.
2786025	DS05	None Supplied	0.6	Brown loam and clay with gravel and vegetation.
2786026	DS06	None Supplied	0.7	Brown loam and clay with gravel and vegetation.
2786027	DS07	None Supplied	0.8	Brown loam and clay with gravel and vegetation.
2786028	DS23	None Supplied	0.5	Brown gravelly clay with brick.
2786029	DS11	None Supplied	0.3	Brown loam and sand with gravel and vegetation.
2786030	DS08	None Supplied	0.4	Brown sandy clay with gravel.
2786031	DS22	None Supplied	0.5	Brown sand with clinker.
2786032	DS11	None Supplied	0.9	Brown loam and sand with gravel.
2786033	DS09	None Supplied	0.7	Brown clay and sand with gravel.
2786034	DS16	None Supplied	2.4	Brown gravelly sand with brick.
2786035	DS24	None Supplied	1.2	Brown clay and sand with gravel.
2786036	DS02	None Supplied	1.8	Brown clay and sand with gravel.
2786037	DS04	None Supplied	0.8	Brown sandy clay with gravel.
2786038	DS05	None Supplied	0.9	Brown sand with gravel.
2786039	DS07	None Supplied	1.5	Brown sand with gravel and stones.
2786040	DS14	None Supplied	2.7	Brown sand with gravel and stones.
2786041	DS15	None Supplied	2.6	Brown clay and sand.
2786042	DS21	None Supplied	2.3	Brown sand with gravel and stones.
2786043	DS10	None Supplied	2.5	Brown sand with gravel.
2786044	DS18	None Supplied	1.7	Brown clay and sand.
2786045	DS18	None Supplied	4.5	Brown sand with gravel and stones.
2786046	DS12	None Supplied	1.8	Brown sand with gravel.
2786047	DS12	None Supplied	2.6	Brown sand with gravel and stones.
2786048	DS26	None Supplied	0.6	Brown loam and sand with gravel.
2786049	DS10	None Supplied	1.5	Brown loam and sand with gravel.
2786050	DS15	None Supplied	0.1	Brown sand with gravel and stones.
2786051	DS15	None Supplied	1.6	Brown sand with gravel.
2786052	DS13	None Supplied	0.3	Brown sand with gravel.
2786053	DS13	None Supplied	0.7	Brown sand with gravel.

Analytical Report Number : 23-51902

Project / Site name: Warth Road Bury

* 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 *
2786054	DS06	None Supplied	0.4	Brown sand with gravel and stones.
2786055	DS07	None Supplied	0.4	Brown sand with gravel and stones.
2786056	DS12	None Supplied	0.3	Brown sand with gravel and stones.
2786057	DS19	None Supplied	1	Brown sand with gravel.
2786058	DS19	None Supplied	1.8	Brown sand with gravel and stones.
2786059	DS09	None Supplied	1.6	Brown clay and sand with gravel.
2786060	DS09	None Supplied	2.6	Brown sand with gravel and stones.
2786061	DS13	None Supplied	4.6	Brown sand with gravel and stones.
2786062	DS12	None Supplied	3.7	Brown sand with gravel and stones.
2786063	DS22	None Supplied	1	Brown sand with gravel.
2786064	DS26	None Supplied	2.6	Brown sand with gravel and stones.
2786065	DS11	None Supplied	1.6	Brown clay and sand with gravel.
2786066	DS11	None Supplied	1.9	Brown clay and sand.
2786067	DS11	None Supplied	2.8	Brown clay and sand with gravel.
2786068	DS02	None Supplied	3.6	Brown sand with gravel and stones.
2786069	DS24	None Supplied	2.8	Brown clay and sand with gravel.
2786070	DS25	None Supplied	0.8	Brown sand with gravel.
2786071	DS02	None Supplied	3.8	Brown clay with gravel.
2786072	DS06	None Supplied	1	Brown loam and clay with gravel.
2786073	DS06	None Supplied	2.8	Brown sandy clay.
2786074	DS08	None Supplied	0.8	Brown loam and sand with gravel.
2786075	DS14	None Supplied	3.5	Brown clay and sand with gravel.
2786076	DS16	None Supplied	2.9	Brown clay and sand with gravel.
2786077	DS23	None Supplied	0.9	Brown clay and sand.
2786078	DS23	None Supplied	3.5	Brown gravelly sand with stones.
2786079	DS21	None Supplied	1.3	Brown loam and clay with gravel.

Analytical Report Number : 23-51902
Project / Site name: Warth Road Bury

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

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
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
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
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
Total cyanide in soil	Determination of total 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
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Product ID in soil	Determination of product ID by interpretation against standard chromatograms - Soil.	In-house method	L064-PL/UK	W	NONE
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-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
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS

Analytical Report Number : 23-51902
Project / Site name: Warth Road Bury

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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. Individual components MCERTS accredited	In-house method based on USEPA8260	L073B-PL	W	MCERTS

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' 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.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
-	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

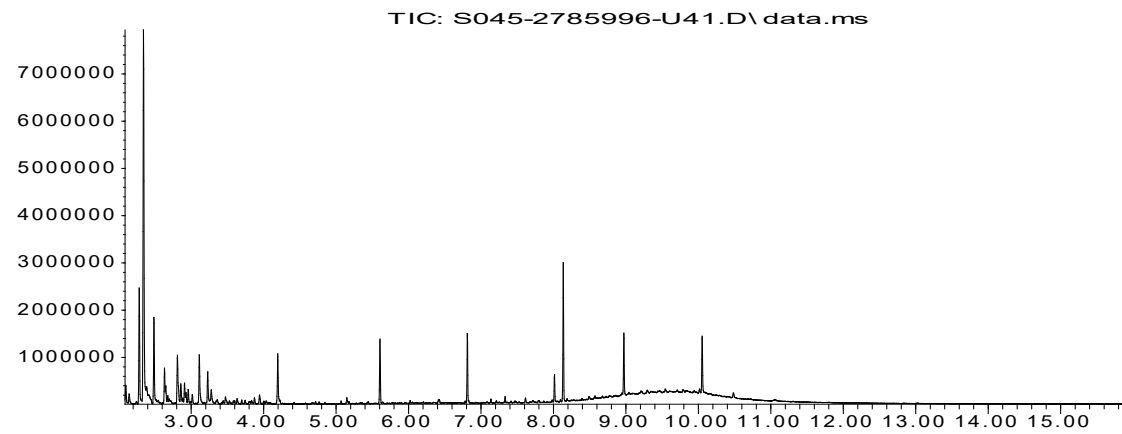
- Data reported unaccredited due to quality control parameter failure associated with this result; other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

- Quality control parameter has a high recovery (outside of limit); however the associated result is below the reporting limit, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised.

\$\$ - Result was reported from high dilution. The result should be interpreted with caution.

+ - Data reported unaccredited, method detection limit raised due to the sample being diluted due to matrix interference. the result should be considered as being deviating and may be compromised.

Abundance



The total ion count (TIC trace) shows a carbon range from C10 to C35.

The sample TIC trace is complex, showing aliphatic and aromatic product sources.

The trace does not match the standard product profiles.

Sample Deviation Report



Analytical Report Number : 23-51902

Project / Site name: Warth Road Bury

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

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

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
DS04	None Supplied	S	2786023	c	Free cyanide in soil	L080-PL	c
DS04	None Supplied	S	2786023	c	Total cyanide in soil	L080-PL	c
DS05	None Supplied	S	2786025	c	Free cyanide in soil	L080-PL	c
DS05	None Supplied	S	2786025	c	Total cyanide in soil	L080-PL	c
DS07	None Supplied	S	2786027	c	Free cyanide in soil	L080-PL	c
DS07	None Supplied	S	2786027	c	Total cyanide in soil	L080-PL	c
DS19	None Supplied	S	2786002	c	Free cyanide in soil	L080-PL	c
DS19	None Supplied	S	2786002	c	Total cyanide in soil	L080-PL	c
DS25	None Supplied	S	2786021	c	Free cyanide in soil	L080-PL	c
DS25	None Supplied	S	2786021	c	Total cyanide in soil	L080-PL	c



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e:

Analytical Report Number : 23-52116

Project / Site name:	Warth Road, Bury	Samples received on:	18/08/2023
Your job number:	3972	Samples instructed on / Analysis started on:	21/08/2023
Your order number:		Analysis completed by:	24/08/2023
Report Issue Number:	1	Report issued on:	25/08/2023
Samples Analysed:	12 soil samples		

Signed: _____

Dominika Warjan
Reporting Specialist
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.

Analytical Report Number: 23-52116
Project / Site name: Warth Road, Bury

Lab Sample Number				2787149	2787150	2787151	2787152	2787153
Sample Reference				DS02	DS02	DS04	DS05	DS14
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	2.80	3.70	1.30	0.90
Date Sampled				10/08/2023	10/08/2023	11/08/2023	11/08/2023	14/08/2023
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	28	< 0.1	< 0.1	36	23
Moisture Content	%	0.01	NONE	5.1	13	17	2.8	7.5
Total mass of sample received	kg	0.001	NONE	0.8	0.7	0.9	0.9	0.8

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-52116
Project / Site name: Warth Road, Bury

Lab Sample Number				2787154	2787155	2787156	2787157	2787158
Sample Reference				DS16	DS10	DS15	DS23	DS23
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.80	3.50	3.60	1.60	3.90
Date Sampled				14/08/2023	14/08/2023	15/08/2023	15/08/2023	15/08/2023
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	24	30	21	< 0.1
Moisture Content	%	0.01	NONE	13	9.3	8.7	14	15
Total mass of sample received	kg	0.001	NONE	0.8	0.9	0.9	0.8	1

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	27	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	14	< 5.0	120	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	23	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-52116
Project / Site name: Warth Road, Bury

Lab Sample Number				2787159	2787160
Sample Reference				DS21	DS15
Sample Number				None Supplied	None Supplied
Depth (m)				1.70	4.60
Date Sampled				16/08/2023	15/08/2023
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	30	46
Moisture Content	%	0.01	NONE	5.3	5.5
Total mass of sample received	kg	0.001	NONE	1.1	0.9

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	7.7
p & m-xylene	µg/kg	5	MCERTS	< 5.0	160
o-xylene	µg/kg	5	MCERTS	< 5.0	37
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 23-52116

Project / Site name: Warth Road, Bury

* 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 *
2787149	DS02	None Supplied	0.5	Brown sand with gravel and stones.
2787150	DS02	None Supplied	2.8	Brown sand with gravel.
2787151	DS04	None Supplied	3.7	Brown clay.
2787152	DS05	None Supplied	1.3	Brown sand with gravel and stones.
2787153	DS14	None Supplied	0.9	Brown sand with gravel and stones.
2787154	DS16	None Supplied	4.8	Brown clay and sand.
2787155	DS10	None Supplied	3.5	Brown sand with gravel and stones.
2787156	DS15	None Supplied	3.6	Brown sand with gravel and stones.
2787157	DS23	None Supplied	1.6	Brown sand with gravel and stones.
2787158	DS23	None Supplied	3.9	Brown clay and sand.
2787159	DS21	None Supplied	1.7	Brown sand with gravel and stones.
2787160	DS15	None Supplied	4.6	Brown sand with gravel and stones.

Analytical Report Number : 23-52116
Project / Site name: Warth Road, Bury

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
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
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260	L073B-PL	W	MCERTS

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL or B' 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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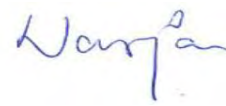
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Analytical Report Number : 23-54323

Replaces Analytical Report Number: 23-54323, issue no. 1
Additional analysis undertaken.

TPH Product ID added to sample 2798973 as per client's request & Cyanide, Barium, Beryllium,
Hexavalent Chromium and Vanadium added to all * sample as per client's request

Project / Site name:	Warth Road, Bury	Samples received on:	01/09/2023
Your job number:	3972	Samples instructed on / Analysis started on:	04/09/2023
Your order number:		Analysis completed by:	27/09/2023
Report Issue Number:	2	Report issued on:	27/09/2023
Samples Analysed:	24 soil samples		


Signed: _____

Dominika Warjan
Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number	2798960			2798961	2798962*	2798963*	2798964
Sample Reference	DS28			DS28	DS29	DS30	DS32
Sample Number	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20			0.50	0.80	0.40	0.40
Date Sampled	29/08/2023			29/08/2023	31/08/2023	29/08/2023	31/08/2023
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
Moisture Content	%	0.01	NONE	5.4	7	11	9.8
Total mass of sample received	kg	0.001	NONE	0.3	0.8	0.9	0.8

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile & Amosite	Chrysotile & Amosite	-	Chrysotile	Chrysotile
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	Not-detected	Detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	0.037	< 0.001	-	0.002	0.003
Asbestos Quantification Total	%	0.001	ISO 17025	0.037	< 0.001	-	0.002	0.003
Asbestos Analyst ID	N/A	N/A	N/A	WEM	WEM	WEM	WEM	WEM

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	7.7	7.9	-
Total Cyanide	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	0.14	0.11	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	< 0.05	0.11	-
Fluorene	mg/kg	0.05	MCERTS	-	-	< 0.05	0.07	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	0.18	0.9	-
Anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	0.2	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	0.12	1.3	-
Pyrene	mg/kg	0.05	MCERTS	-	-	0.13	1.1	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	0.11	0.66	-
Chrysene	mg/kg	0.05	MCERTS	-	-	0.08	0.59	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	< 0.05	0.59	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	< 0.05	0.44	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	< 0.05	0.59	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	< 0.05	0.34	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	< 0.05	0.38	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	< 0.80	7.34	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	33	34	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	160	230	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	2.6	4.3	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	1.2	2.4	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	< 0.2	< 0.2	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	< 1.8	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	14	28	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	99	120	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	60	120	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	< 0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	49	72	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	75	92	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	150	160	-

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number	2798960	2798961	2798962*	2798963*	2798964
Sample Reference	DS28	DS28	DS29	DS30	DS32
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20	0.50	0.80	0.40	0.40
Date Sampled	29/08/2023	29/08/2023	31/08/2023	29/08/2023	31/08/2023
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	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS 1D AL}	mg/kg	0.1	NONE	-	-	-	< 0.10	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS 1D AL}	mg/kg	0.1	NONE	-	-	-	< 0.10	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS 1D AL}	mg/kg	0.1	NONE	-	-	-	< 0.10	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH CU 1D AL}	mg/kg	1	MCERTS	-	-	-	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH CU 1D AL}	mg/kg	2	MCERTS	-	-	-	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH CU 1D AL}	mg/kg	8	MCERTS	-	-	-	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH CU 1D AL}	mg/kg	8	MCERTS	-	-	-	26	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH CU+HS 1D AL}	mg/kg	10	NONE	-	-	-	30	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS 1D AR}	mg/kg	0.1	NONE	-	-	-	< 0.10	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS 1D AR}	mg/kg	0.1	NONE	-	-	-	< 0.10	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS 1D AR}	mg/kg	0.1	NONE	-	-	-	< 0.10	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH CU 1D AR}	mg/kg	1	MCERTS	-	-	-	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH CU 1D AR}	mg/kg	2	MCERTS	-	-	-	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH CU 1D AR}	mg/kg	10	MCERTS	-	-	-	< 10	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH CU 1D AR}	mg/kg	10	MCERTS	-	-	-	< 10	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH CU+HS 1D AR}	mg/kg	10	NONE	-	-	-	< 10	-

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number				2798960	2798961	2798962*	2798963*	2798964
Sample Reference				DS28	DS28	DS29	DS30	DS32
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.80	0.40	0.40
Date Sampled				29/08/2023	29/08/2023	31/08/2023	29/08/2023	31/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					

VOCs

Chloromethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Chloroethane	µg/kg	5	NONE	-	-	-	< 5.0	-
Bromomethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	< 5.0	-
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	< 5.0	-
1,1-dichloroethene	µg/kg	5	NONE	-	-	-	< 5.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	< 5.0	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	-	-	< 5.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	< 5.0	-
1,1-dichloroethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Chloroform	µg/kg	5	NONE	-	-	-	< 5.0	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,2-dichloroethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Benzene	µg/kg	5	MCERTS	-	-	-	< 5.0	-
Carbontetrachloride	µg/kg	5	NONE	-	-	-	< 5.0	-
1,2-dichloropropane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Trichloroethene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Dibromomethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Bromodichloromethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Toluene	µg/kg	5	MCERTS	-	-	-	< 5.0	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Dibromochloromethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	< 5.0	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Chlorobenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	< 5.0	-
Styrene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Bromoform	µg/kg	5	NONE	-	-	-	< 5.0	-
o-xylene	µg/kg	5	MCERTS	-	-	-	< 5.0	-
Isopropylbenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Bromobenzene	µg/kg	5	NONE	-	-	-	< 5.0	-
N-Propylbenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
2-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
4-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number				2798960	2798961	2798962*	2798963*	2798964
Sample Reference				DS28	DS28	DS29	DS30	DS32
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.80	0.40	0.40
Date Sampled				29/08/2023	29/08/2023	31/08/2023	29/08/2023	31/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	-	-	-	< 5.0	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	< 5.0	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	< 5.0	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number	2798965			2798966*	2798967	2798968*	2798969*
Sample Reference	DS33			DS33	DS27	DS27	DS27
Sample Number	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20			0.50	0.40	1.00	1.80
Date Sampled	31/08/2023			31/08/2023	29/08/2023	29/08/2023	29/08/2023
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
Moisture Content	%	0.01	NONE	12	15	3.6	2.9
Total mass of sample received	kg	0.001	NONE	0.8	0.8	0.9	0.9

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

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	7.9	-	7.9	7.2
Total Cyanide	mg/kg	1	MCERTS	-	< 1.0	-	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	1.9	-	0.97	0.36
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	0.94	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	0.81	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	3.9	-	< 0.05	0.14
Anthracene	mg/kg	0.05	MCERTS	-	1.5	-	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	-	6.3	-	< 0.05	0.07
Pyrene	mg/kg	0.05	MCERTS	-	5.5	-	< 0.05	0.06
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	3.7	-	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	3.9	-	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	4.8	-	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	2	-	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	4.1	-	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	1.9	-	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	0.52	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	2.2	-	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	44	-	0.97	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	24	-	5.9	4.6
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	430	-	80	56
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	1.1	-	0.63	0.45
Boron (water soluble)	mg/kg	0.2	MCERTS	-	0.6	-	0.4	0.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	< 1.8	-	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	45	-	13	7.4
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	75	-	16	8.5
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	510	-	13	7.2
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	30	-	18	12
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	-	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	41	-	15	11
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	200	-	45	33

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number	2798965	2798966*	2798967	2798968*	2798969*
Sample Reference	DS33	DS33	DS27	DS27	DS27
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20	0.50	0.40	1.00	1.80
Date Sampled	31/08/2023	31/08/2023	29/08/2023	29/08/2023	29/08/2023
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	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	42	37	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	250	120	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS 1D AL}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS 1D AL}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS 1D AL}	mg/kg	0.1	NONE	-	< 0.10	27	8	11
TPH-CWG - Aliphatic >EC10 - EC12 _{EH CU 1D AL}	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	3.8
TPH-CWG - Aliphatic >EC12 - EC16 _{EH CU 1D AL}	mg/kg	2	MCERTS	-	< 2.0	< 2.0	< 2.0	13
TPH-CWG - Aliphatic >EC16 - EC21 _{EH CU 1D AL}	mg/kg	8	MCERTS	-	< 8.0	< 8.0	< 8.0	14
TPH-CWG - Aliphatic >EC21 - EC35 _{EH CU 1D AL}	mg/kg	8	MCERTS	-	< 8.0	< 8.0	< 8.0	39
TPH-CWG - Aliphatic (EC5 - EC35) _{EH CU+HS 1D AL}	mg/kg	10	NONE	-	< 10	27	< 10	79

TPH-CWG - Aromatic >EC5 - EC7 _{HS 1D AR}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS 1D AR}	mg/kg	0.1	NONE	-	< 0.10	< 0.10	< 0.10	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS 1D AR}	mg/kg	0.1	NONE	-	< 0.10	0.8	0.41	0.28
TPH-CWG - Aromatic >EC10 - EC12 _{EH CU 1D AR}	mg/kg	1	MCERTS	-	< 1.0	4.5	4.7	10
TPH-CWG - Aromatic >EC12 - EC16 _{EH CU 1D AR}	mg/kg	2	MCERTS	-	4.3	3.4	2.7	8.3
TPH-CWG - Aromatic >EC16 - EC21 _{EH CU 1D AR}	mg/kg	10	MCERTS	-	19	< 10	< 10	11
TPH-CWG - Aromatic >EC21 - EC35 _{EH CU 1D AR}	mg/kg	10	MCERTS	-	45	15	12	10
TPH-CWG - Aromatic (EC5 - EC35) _{EH CU+HS 1D AR}	mg/kg	10	NONE	-	68	28	23	40

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number				2798965	2798966*	2798967	2798968*	2798969*
Sample Reference				DS33	DS33	DS27	DS27	DS27
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.40	1.00	1.80
Date Sampled				31/08/2023	31/08/2023	29/08/2023	29/08/2023	29/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
1,1-dichloroethene	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
1,1-dichloroethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
1,2-dichloroethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
1,2-dichloropropane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Trichloroethene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Dibromomethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	42	37	< 5.0
p & m-xylene	µg/kg	5	MCERTS	-	< 5.0	250	120	< 5.0
Styrene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	-	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Bromobenzene	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
N-Propylbenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
4-Chlorotoluene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	< 5.0	8700	2200	< 5.0
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	< 5.0	45000	17000	< 5.0
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	190	< 5.0
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	660	< 5.0
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0

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Project / Site name: Warth Road, Bury

Lab Sample Number				2798965	2798966*	2798967	2798968*	2798969*
Sample Reference				DS33	DS33	DS27	DS27	DS27
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.40	1.00	1.80
Date Sampled				31/08/2023	31/08/2023	29/08/2023	29/08/2023	29/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	µg/kg	5	NONE	-	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	< 5.0	< 5.0	< 5.0	< 5.0

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number	2798970			2798971	2798972*	2798973*	2798974
Sample Reference	DS27			DS27	DS33	DS33	DS33
Sample Number	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.60			3.60	0.80	1.30	1.80
Date Sampled	29/08/2023			29/08/2023	31/08/2023	31/08/2023	31/08/2023
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
Moisture Content	%	0.01	NONE	8.4	20	19	17
Total mass of sample received	kg	0.001	NONE	0.8	0.9	0.8	0.7

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	7.1	6.8	-
Total Cyanide	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	0.41	0.53	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	0.06	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	-	-	0.06	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	0.17	0.11	-
Anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	0.05	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	< 0.05	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	< 0.05	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	< 0.05	< 0.05	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	< 0.80	< 0.80	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	7.1	4.5	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	110	73	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	0.72	0.58	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	0.6	0.6	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	0.3	0.3	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	< 1.8	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	15	12	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	22	15	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	21	11	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	< 0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	21	18	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	18	15	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	55	43	-

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Project / Site name: Warth Road, Bury

Lab Sample Number				2798970	2798971	2798972*	2798973*	2798974
Sample Reference				DS27	DS27	DS33	DS33	DS33
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.60	3.60	0.80	1.30	1.80
Date Sampled				29/08/2023	29/08/2023	31/08/2023	31/08/2023	31/08/2023
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	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	250	390	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	37000\$	55000\$	15
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	74000\$	95000\$	1600
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	38000\$	46000\$	370
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS 1D AL}	mg/kg	0.1	NONE	-	-	< 0.10	< 0.10	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS 1D AL}	mg/kg	0.1	NONE	-	-	< 0.10	< 0.10	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS 1D AL}	mg/kg	0.1	NONE	-	-	2.5	4.3	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH CU 1D AL}	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH CU 1D AL}	mg/kg	2	MCERTS	-	-	< 2.0	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH CU 1D AL}	mg/kg	8	MCERTS	-	-	< 8.0	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH CU 1D AL}	mg/kg	8	MCERTS	-	-	< 8.0	< 8.0	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH CU+HS 1D AL}	mg/kg	10	NONE	-	-	< 10	< 10	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS 1D AR}	mg/kg	0.1	NONE	-	-	< 0.10	< 0.10	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS 1D AR}	mg/kg	0.1	NONE	-	-	0.17	0.25	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS 1D AR}	mg/kg	0.1	NONE	-	-	210	290	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH CU 1D AR}	mg/kg	1	MCERTS	-	-	6.5	43	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH CU 1D AR}	mg/kg	2	MCERTS	-	-	< 2.0	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH CU 1D AR}	mg/kg	10	MCERTS	-	-	< 10	< 10	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH CU 1D AR}	mg/kg	10	MCERTS	-	-	< 10	< 10	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH CU+HS 1D AR}	mg/kg	10	NONE	-	-	220	340	-

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number				2798970	2798971	2798972*	2798973*	2798974
Sample Reference				DS27	DS27	DS33	DS33	DS33
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.60	3.60	0.80	1.30	1.80
Date Sampled				29/08/2023	29/08/2023	31/08/2023	31/08/2023	31/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Chloroethane	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
Bromomethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Vinyl Chloride	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
Trichlorofluoromethane	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
1,1-dichloroethene	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
1,1-dichloroethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Chloroform	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
1,2-dichloroethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Benzene	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	-
Carbontetrachloride	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
1,2-dichloropropane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Trichloroethene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Dibromomethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Bromodichloromethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Toluene	µg/kg	5	MCERTS	-	-	250	390	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Dibromochloromethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Tetrachloroethene	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Chlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	37000\$	55000\$	-
p & m-xylene	µg/kg	5	MCERTS	-	-	74000\$	95000\$	-
Styrene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Bromoform	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
o-xylene	µg/kg	5	MCERTS	-	-	38000\$	46000\$	-
Isopropylbenzene	µg/kg	5	ISO 17025	-	-	5200	9300	-
1,1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
Bromobenzene	µg/kg	5	NONE	-	-	< 5.0	< 5.0	-
N-Propylbenzene	µg/kg	5	ISO 17025	-	-	22000\$	39000\$	-
2-Chlorotoluene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
4-Chlorotoluene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	52000\$	61000\$	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	73000\$	87000\$	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	-	1700	2800	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0	-

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Lab Sample Number				2798970	2798971	2798972*	2798973*	2798974
Sample Reference				DS27	DS27	DS33	DS33	DS33
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.60	3.60	0.80	1.30	1.80
Date Sampled				29/08/2023	29/08/2023	31/08/2023	31/08/2023	31/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
	Butylbenzene	µg/kg	5	NONE	-	-	< 5.0	< 5.0
	1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0
	1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0
	Hexachlorobutadiene	µg/kg	5	NONE	-	-	< 5.0	< 5.0
	1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	< 5.0	< 5.0

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	See Appendix	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number	2798975			2798976	2798977	2798978	2798979
Sample Reference	DS33			DS33	DS33	DS28	DS30
Sample Number	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.70			3.70	4.80	1.40	0.90
Date Sampled	31/08/2023			31/08/2023	31/08/2023	29/08/2023	29/08/2023
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
Moisture Content	%	0.01	NONE	18	8.9	14	4.4
Total mass of sample received	kg	0.001	NONE	0.9	0.8	0.8	0.8

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-

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Project / Site name: Warth Road, Bury

Lab Sample Number				2798975	2798976	2798977	2798978	2798979
Sample Reference				DS33	DS33	DS33	DS28	DS30
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.70	3.70	4.80	1.40	0.90
Date Sampled				31/08/2023	31/08/2023	31/08/2023	29/08/2023	29/08/2023
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	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS 1D AL}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS 1D AL}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS 1D AL}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH CU 1D AL}	mg/kg	1	MCERTS	-	-	-	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH CU 1D AL}	mg/kg	2	MCERTS	-	-	-	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH CU 1D AL}	mg/kg	8	MCERTS	-	-	-	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH CU 1D AL}	mg/kg	8	MCERTS	-	-	-	-	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) _{EH CU+HS 1D AL}	mg/kg	10	NONE	-	-	-	-	< 10

TPH-CWG - Aromatic >EC5 - EC7 _{HS 1D AR}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS 1D AR}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS 1D AR}	mg/kg	0.1	NONE	-	-	-	-	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH CU 1D AR}	mg/kg	1	MCERTS	-	-	-	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH CU 1D AR}	mg/kg	2	MCERTS	-	-	-	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH CU 1D AR}	mg/kg	10	MCERTS	-	-	-	-	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH CU 1D AR}	mg/kg	10	MCERTS	-	-	-	-	< 10
TPH-CWG - Aromatic (EC5 - EC35) _{EH CU+HS 1D AR}	mg/kg	10	NONE	-	-	-	-	< 10

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Project / Site name: Warth Road, Bury

Lab Sample Number				2798975	2798976	2798977	2798978	2798979
Sample Reference				DS33	DS33	DS33	DS28	DS30
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.70	3.70	4.80	1.40	0.90
Date Sampled				31/08/2023	31/08/2023	31/08/2023	29/08/2023	29/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
VOCs								
Chloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Chloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromomethane	µg/kg	5	ISO 17025	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	-	-
1,1-dichloroethene	µg/kg	5	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Chloroform	µg/kg	5	NONE	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Carbontetrachloride	µg/kg	5	NONE	-	-	-	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Trichloroethene	µg/kg	5	ISO 17025	-	-	-	-	-
Dibromomethane	µg/kg	5	ISO 17025	-	-	-	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	-	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	-	-	-	-
Chlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
Styrene	µg/kg	5	ISO 17025	-	-	-	-	-
Bromoform	µg/kg	5	NONE	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-	-
Bromobenzene	µg/kg	5	NONE	-	-	-	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	-	-	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number				2798975	2798976	2798977	2798978	2798979
Sample Reference				DS33	DS33	DS33	DS28	DS30
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.70	3.70	4.80	1.40	0.90
Date Sampled				31/08/2023	31/08/2023	31/08/2023	29/08/2023	29/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number	2798980			2798981	2798982	2798983
Sample Reference	DS31			DS31	DS32	DS32
Sample Number	None Supplied			None Supplied	None Supplied	None Supplied
Depth (m)	1.80			2.70	1.00	1.90
Date Sampled	31/08/2023			31/08/2023	31/08/2023	31/08/2023
Time Taken	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
Moisture Content	%	0.01	NONE	11	19	23
Total mass of sample received	kg	0.001	NONE	0.9	0.8	0.9

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number	2798980			2798981	2798982	2798983
Sample Reference	DS31			DS31	DS32	DS32
Sample Number	None Supplied			None Supplied	None Supplied	None Supplied
Depth (m)	1.80			2.70	1.00	1.90
Date Sampled	31/08/2023			31/08/2023	31/08/2023	31/08/2023
Time Taken	None Supplied			None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
o-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS 1D AL}	mg/kg	0.1	NONE	< 0.10	-	-	< 0.10
TPH-CWG - Aliphatic >EC6 - EC8 _{HS 1D AL}	mg/kg	0.1	NONE	< 0.10	-	-	< 0.10
TPH-CWG - Aliphatic >EC8 - EC10 _{HS 1D AL}	mg/kg	0.1	NONE	< 0.10	-	-	< 0.10
TPH-CWG - Aliphatic >EC10 - EC12 _{EH CU 1D AL}	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH CU 1D AL}	mg/kg	2	MCERTS	< 2.0	-	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH CU 1D AL}	mg/kg	8	MCERTS	< 8.0	-	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH CU 1D AL}	mg/kg	8	MCERTS	< 8.0	-	-	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) _{EH CU+HS 1D AL}	mg/kg	10	NONE	< 10	-	-	< 10

TPH-CWG - Aromatic >EC5 - EC7 _{HS 1D AR}	mg/kg	0.1	NONE	< 0.10	-	-	< 0.10
TPH-CWG - Aromatic >EC7 - EC8 _{HS 1D AR}	mg/kg	0.1	NONE	< 0.10	-	-	< 0.10
TPH-CWG - Aromatic >EC8 - EC10 _{HS 1D AR}	mg/kg	0.1	NONE	< 0.10	-	-	< 0.10
TPH-CWG - Aromatic >EC10 - EC12 _{EH CU 1D AR}	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH CU 1D AR}	mg/kg	2	MCERTS	< 2.0	-	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH CU 1D AR}	mg/kg	10	MCERTS	< 10	-	-	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH CU 1D AR}	mg/kg	10	MCERTS	< 10	-	-	< 10
TPH-CWG - Aromatic (EC5 - EC35) _{EH CU+HS 1D AR}	mg/kg	10	NONE	< 10	-	-	< 10

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number				2798980	2798981	2798982	2798983
Sample Reference				DS31	DS31	DS32	DS32
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.80	2.70	1.00	1.90
Date Sampled				31/08/2023	31/08/2023	31/08/2023	31/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
VOCs							
Chloromethane	µg/kg	5	ISO 17025	-	-	-	-
Chloroethane	µg/kg	5	NONE	-	-	-	-
Bromomethane	µg/kg	5	ISO 17025	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	-
1,1-dichloroethene	µg/kg	5	NONE	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	NONE	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-
1,1-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-
2,2-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-
Chloroform	µg/kg	5	NONE	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-
1,2-dichloroethane	µg/kg	5	ISO 17025	-	-	-	-
1,1-Dichloropropene	µg/kg	5	ISO 17025	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	ISO 17025	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	-	-
Carbontetrachloride	µg/kg	5	NONE	-	-	-	-
1,2-dichloropropane	µg/kg	5	ISO 17025	-	-	-	-
Trichloroethene	µg/kg	5	ISO 17025	-	-	-	-
Dibromomethane	µg/kg	5	ISO 17025	-	-	-	-
Bromodichloromethane	µg/kg	5	ISO 17025	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	ISO 17025	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	ISO 17025	-	-	-	-
1,3-Dichloropropane	µg/kg	5	ISO 17025	-	-	-	-
Dibromochloromethane	µg/kg	5	ISO 17025	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	-
1,2-Dibromoethane	µg/kg	5	ISO 17025	-	-	-	-
Chlorobenzene	µg/kg	5	ISO 17025	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-
Styrene	µg/kg	5	ISO 17025	-	-	-	-
Bromoform	µg/kg	5	NONE	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-
Isopropylbenzene	µg/kg	5	ISO 17025	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	ISO 17025	-	-	-	-
Bromobenzene	µg/kg	5	NONE	-	-	-	-
N-Propylbenzene	µg/kg	5	ISO 17025	-	-	-	-
2-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-
4-Chlorotoluene	µg/kg	5	ISO 17025	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-
Tert-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	ISO 17025	-	-	-	-
Sec-Butylbenzene	µg/kg	5	ISO 17025	-	-	-	-
1,3-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-
P-Isopropyltoluene	µg/kg	5	ISO 17025	-	-	-	-
1,4-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-
1,2-dichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-

Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury

Lab Sample Number				2798980	2798981	2798982	2798983
Sample Reference				DS31	DS31	DS32	DS32
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.80	2.70	1.00	1.90
Date Sampled				31/08/2023	31/08/2023	31/08/2023	31/08/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Butylbenzene	µg/kg	5	NONE	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	ISO 17025	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	ISO 17025	-	-	-	-

Miscellaneous Organics

Product ID		N/A	NONE	-	-	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 23-54323
Project / Site name: Warth Road, Bury
Your Order No:

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
2798960	DS28	0.20	203	Loose Fibres & Loose Fibrous Debris	Chrysotile & Amosite	0.037	0.037
2798961	DS28	0.50	172	Loose Fibres	Chrysotile & Amosite	< 0.001	< 0.001
2798963	DS30	0.40	154	Loose Fibrous Debris	Chrysotile	0.002	0.002
2798964	DS32	0.40	148	Loose Fibrous Debris	Chrysotile	0.003	0.003
2798966	DS33	0.50	151	Loose Fibres	Chrysotile	0.002	0.002

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

Analytical Report Number : 23-54323

Project / Site name: Warth Road, Bury

* 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 *
2798960	DS28	None Supplied	0.2	Brown clay and sand with gravel and brick.
2798961	DS28	None Supplied	0.5	Brown clay and sand with gravel and brick.
2798962	DS29	None Supplied	0.8	Black clay and sand with gravel.
2798963	DS30	None Supplied	0.4	Brown clay and sand with gravel and brick.
2798964	DS32	None Supplied	0.4	Brown clay and sand with gravel.
2798965	DS33	None Supplied	0.2	Brown clay and sand with gravel.
2798966	DS33	None Supplied	0.5	Brown clay and sand with gravel and brick.
2798967	DS27	None Supplied	0.4	Brown sand with gravel.
2798968	DS27	None Supplied	1	Brown sand with gravel.
2798969	DS27	None Supplied	1.8	Brown clay and sand with gravel.
2798970	DS27	None Supplied	2.6	Brown clay and sand with gravel.
2798971	DS27	None Supplied	3.6	Brown sandy clay with gravel.
2798972	DS33	None Supplied	0.8	Brown clay and sand with oil / petroleum.
2798973	DS33	None Supplied	1.3	Brown clay and sand with oil / petroleum.
2798974	DS33	None Supplied	1.8	Brown clay and sand with gravel.
2798975	DS33	None Supplied	2.7	Black sand.
2798976	DS33	None Supplied	3.7	Brown clay and sand with gravel.
2798977	DS33	None Supplied	4.8	Brown sandy clay.
2798978	DS28	None Supplied	1.4	Brown clay and sand with gravel.
2798979	DS30	None Supplied	0.9	Brown clay and sand with gravel.
2798980	DS31	None Supplied	1.8	Brown clay and sand with gravel.
2798981	DS31	None Supplied	2.7	Black sand.
2798982	DS32	None Supplied	1	Brown clay and sand.
2798983	DS32	None Supplied	1.9	Black sand with gravel.

Analytical Report Number : 23-54323
Project / Site name: Warth Road, Bury

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

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
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
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. Refer to CoA for analyte specific accreditation.	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
Total cyanide in soil	Determination of total 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
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260. Refer to CoA for analyte specific accreditation	L073B-PL	W	MCERTS
Product ID in soil	Determination of product ID by interpretation against standard chromatograms - Soil.	In-house method	L064-PL/UK	W	NONE
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID. Refer to CoA for band specific accreditation.	In-house method with silica gel split/clean up.	L088/76-PL	D	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
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS

Analytical Report Number : 23-54323
Project / Site name: Warth Road, Bury

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' 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.

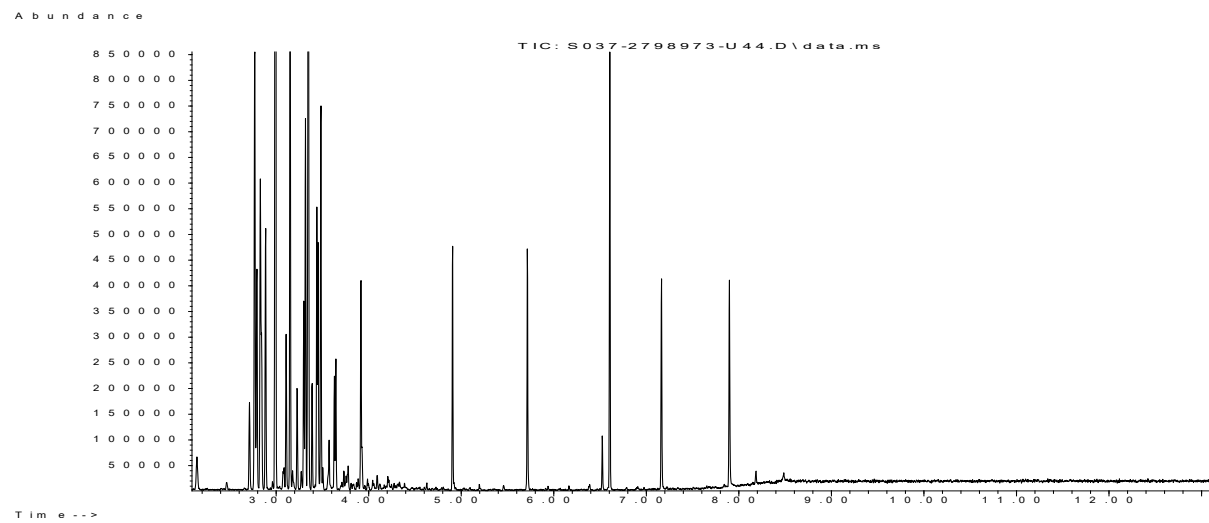
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
-	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

\$- Data reported unaccredited due to result over calibration range despite high dilution, concentration determined by extrapolated calibration. The result should be interpreted with caution.



The total ion count (TIC trace) shows a carbon range from C7 to C12.
The sample TIC trace is simple, liphatic and alicyclic product sources.
The trace does not match the standard product profiles but is suggestive of white spirit.

APPENDIX 6

CHEMICAL LABORATORY TEST RESULTS & SCREENING TABLES - WATERS

Groundwater Monitoring
Low Flow - Sampling Record Sheet

CLIENT JGE Consulting
DATE 11-13/09/2023
WEATHER 11th - Dry, dry ground, 16-22 degrees
12th - Cloudy, dry ground, 16-22 degrees
13th - Mild, dry ground, 16-22 degrees

SITE Worth Rd, Bury
TIME On: 07:30/08:30/07:10 Off: 14:30/13:10/13:30
MONITORING PERSONNEL Ian Sidgwick

Monitoring Location	Date/Time	DTL m	DTB m	End m	EC mS/cm	Temp C	pH	DO %	Dissolved Oxygen PPM	ORP mV	Purge Volume L	Odour description	Sediment description	Oil/grease visible	Colour description	Turbidity description	Comments
DS02	13/09/2023 12:43	1.29	3.20	3.20	566.82	17.89	7.59	2.94	0.28	-135.04	3	None	Moderate fine	None	Dark grey	High	Base of well very silty, full sample collected
DS04	11/09/2023 08:29	1.40	1.95	1.95	754.71	19.09	7.65	6.68	0.62	88.89	2.5	None	Moderate fine	None	Pale grey	High	Full sample collected
DS06	11/09/2023 10:48	2.46	2.99	2.99	1212.40	17.12	6.68	2.27	0.22	39.83	1	None	Moderate	None	Very slightly grey	High	Well dried out, sampled from bucket
DS07	11/09/2023 09:40	2.16	2.94	2.94	479.99	17.26	7.01	0.44	0.04	-41.88	4	None	Moderate	None	Very slightly grey	High	Full sample collected
DS09	11/09/2023 13:26	1.93	3.09	3.09	634.58	15.63	6.89	0.03	0.00	-84.50	2.5	None	Fine	None	Pale grey	Moderate	Full sample collected
DS10	11/09/2023 11:54	1.92	3.09	3.09	1093.59	19.02	6.75	2.66	0.25	-69.92	3	Slight metallic	Low-moderate fine	None	Dark grey	High	Full sample collected
DS11	11/09/2023 14:20	2.71	3.21	3.21	831.95	15.42	7.05	0.00	0.00	-90.12	1	Slight paint	Moderate-high	None	Dark grey	High	Well dried out, sampled from bucket
DS12	12/09/2023 09:24	2.16	3.05	3.05	535.85	15.70	6.72	0.01	0.00	-73.65	2.5	None	Low-fine	None	Pale grey	Moderate	Full sample collected
DS14	13/09/2023 07:24	1.98	4.04	4.04	841.84	16.80	7.24	7.74	0.75	-57.42	3	None	Low-fine	None	Pale grey	Moderate	Full sample collected
DS15	NR	2.10	2.30	2.30	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	No sample collected due to insufficient depth of water
DS16	13/09/2023 08:01	1.69	2.57	2.57	647.12	16.11	7.01	5.77	0.57	-39.40	3	None	None	None	Colourless	Low	Full sample collected
DS18	12/09/2023 10:25	2.05	3.09	3.09	287.80	16.77	7.06	12.45	1.21	-8.46	3.5	Moderate-strong white spirit	None	Slight sheen	Clear, colourless	Low	4mm NAPL detected - white spirit/turpentine type, full sample collected
DS22	12/09/2023 11:21	1.67	2.21	2.21	1080.47	16.83	6.97	2.63	0.25	-77.32	3	None	Low-moderate fine	None	Mid grey	High	Full sample collected
DS25	NR	1.29	1.59	1.59	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	No sample collected due to insufficient depth of water
DS26	12/09/2023 12:05	0.97	2.72	2.72	470.48	16.87	7.08	6.00	0.58	-93.26	3	None	Low-fine	None	Pale grey	Moderate	Full sample collected
DS27	11/09/2023 12:41	1.77	3.00	3.00	700.52	16.24	6.87	0.94	0.09	-89.83	3	None	Fine	None	Pale grey	Moderate	Full sample collected
DS28	13/09/2023 09:57	1.99	3.20	3.20	563.14	14.14	7.41	3.03	0.31	-68.76	3	None	Fine	None	Pale grey	Moderate	Full sample collected
DS31	13/09/2023 12:01	0.96	3.12	3.12	537.03	13.98	8.05	2.24	0.23	-127.88	4	Slight metallic	None	None	Colourless	Low	Full sample collected
DS32	13/09/2023 08:49	1.05	2.03	2.03	576.64	14.65	7.33	3.22	0.33	-108.87	5	None	None	None	Clear, colourless	Low	Full sample collected
DS33	12/09/2023 12:57	1.00	3.03	3.03	374.00	14.09	7.49	4.56	0.47	-97.62	3	None	Low-fine	None	Pale grey	Moderate	Full sample collected

IGE

CONSULTING

Project: Warth Road, Bury

Job No: 3972

Lab Sample Number

Sample Reference

Sample Number

Depth (m)

Date Sampled

Analytical Parameter (Water Analysis)

Units

LoD

2810219

2810220

2810221

2810222

2810223

2810224

2810225

2810754

2810755

2810756

2810757

2810758

2812285

2812286

2812287

2812288

2812289

2812290

DS04

DS06

DS07

DS09

DS10

DS11

DS12

DS16

DS18

DS22

DS26

DS33

DS34

DS35

DS37

DS38

DS39

DS32

None Supplied

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General Inorganics

pH (L099)

Sulphate as SO4

pH Units

N/A

µg/l

7.8

7

7.4

6.9

7

7

6.9

6.7

7.3

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7.2

7.8

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7.4

7.3

7.5

8.2

7.4

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82000

31600

1160

18500

3680

772

4660

9430

5670

28400

27300

65700

107000

41600

43700

88000

116000

Speciated PAHs

Naphthalene

Acenaphthylene

Acenaphthene

Fluorene

Phenanthrene

Anthracene

Fluoranthene

Pyrene

Benzo(a)anthracene

Chrysene

Benzo(b)fluoranthene

Benzo(k)fluoranthene

Benzo(a)pyrene

Indeno(1,2,3-cd)pyrene

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene

µg/l

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IGE Consulting			Project: Warth Road, Bury																											
Job No: 3972																														
Lab Sample Number			2818620		2818621							EQS				DWS														
Sample Reference			US		DS		Statistical Analysis					Statistical Results																		
Sample Number			None Supplied		None Supplied		Count	Standard Deviation	Minimum	Maximum	Average	Maximum	Screening Value	Pass/ Fail	Exceedances	Screening Value	Pass/ Fail	Exceedances												
Depth (m)			None Supplied		None Supplied																									
Date Sampled			20/09/2023		20/09/2023																									
Analytical Parameter (Water Analysis)			Units	LoD																										
General Inorganics																														
Sulphate as SO4			µg/l	45.00	20.5	20	2	0.35	20.00	20.50	20.25																			
Speciated PAHs																														
Naphthalene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Acenaphthylene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Acenaphthene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Fluorene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Phenanthrene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Anthracene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Fluoranthene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Pyrene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Benzo(a)anthracene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Chrysene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Benzo(b)fluoranthene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Benzo(k)fluoranthene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Benzo(a)pyrene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Indeno(1,2,3-cd)pyrene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Dibenz(a,h)anthracene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Benzo(ghi)perylene			µg/l	0.01	0.01	0.01	2	0.00	0.01	0.01	0.01																			
Total PAH																														
Speciated Total EPA-16 PAHs			µg/l	0.16	0.16	0.16	2	0.00	0.16	0.16	0.16																			
Heavy Metals / Metalloids																														
Arsenic (dissolved)			µg/l	0.15	0.91	0.88	2	0.02	0.88	0.91	0.90	0.91	50	Pass	0	10	Pass	0												
Barium (dissolved)			µg/l	0.06	33	32	2	0.71	32.00	33.00	32.50	33.00	-			-														
Boron (dissolved)			µg/l	10	24	22	2	1.41	22.00	24.00	23.00	24.00	2000	Pass	0	1000	Pass	0												
Beryllium (dissolved)			µg/l	0.1	0.1	0.1	2	0.00	0.10	0.10	0.10	0.10	-		-															
Cadmium (dissolved)			µg/l	0.02	0.03	0.03	2	0.00	0.03	0.03	0.03	0.03	0.25	Pass	0	5	Pass	0												
Chromium (hexavalent)			µg/l	5	5	5	2	0.00	5.00	5.00	5.00	5.00	3.4	Fail	2	-														
Chromium (dissolved)			µg/l	0.2	0.8	0.7	2	0.07	0.70	0.80	0.75	0.80	4.7	Pass	0	50	Pass	0												
Copper (dissolved)			µg/l	0.5	6.8	6.8	2	0.07	6.80	6.90	6.85	6.90	1	Fail	2	2000	Pass	0												
Lead (dissolved)			µg/l	0.2	0.4	0.5	2	0.07	0.40	0.50	0.45	0.50	1.2	Pass	0	10	Pass	0												
Mercury (dissolved)			µg/l	0.05	0.05	0.05	2	0.00	0.05	0.05	0.05	0.05	0.07	Pass	0	1	Pass	0												
Nickel (dissolved)			µg/l	0.5	2.6	2.6	2	0.00	2.60	2.60	2.60	2.60	4	Pass	0	20	Pass	0												
Selenium (dissolved)			µg/l	0.6	0.6	0.6	2	0.00	0.60	0.60	0.60	0.60	-	Pass	0	10	Pass	0												
Vanadium (dissolved)			mg/l	0.0002	0.7	0.7	2	0.00	0.70	0.70	0.70	0.70	60	Pass	0	-														
Zinc (dissolved)			µg/l	0.5	3.7	4.3	2	0.42	3.70	4.30	4.00	4.30	10.9	Pass	0	-														
Monoaromatics & Oxygenates																														
Benzene			µg/l	3	3	3	2	0.00	3	3	3.00	3	10	Pass	0	1	Fail	2												
Toluene			µg/l	3	3	3	2	0.00	3	3	3.00	3	74	Pass	0	700	Pass	0												
Ethylbenzene			µg/l	3	3	3	2	0.00	3	3	3.00	3	20	Pass	0	300	Pass	0												
p & m-xylene			µg/l	3	3	3	2	0.00	3	3	3.00	3	30	Pass	0	500	Pass	0												
o-xylene			µg/l	3	3	3	2	0.00	3	3	3.00	3	30	Pass	0	500	Pass	0												
MTBE (Methyl Tertiary Butyl Ether)			µg/l	3	3	3	2	0.00	3	3	3.00																			
Petroleum Hydrocarbons																														
TPH-CWG - Aliphatic >EC5 - EC6			µg/l	1	1	1	2	0.000	1.000	1.000	1.000																			
TPH-CWG - Aliphatic >EC6 - EC8			µg/l	1	1	1	2	0.000	1.000	1.000	1.000																			
TPH-CWG - Aliphatic >EC8 - EC10			µg/l	1	1	1	2	0.000	1.000	1.000	1.000																			
TPH-CWG - Aliphatic >EC10 - EC12			µg/l	10	10	10	2	0.00	10.00	10.00	10.00																			
TPH-CWG - Aliphatic >EC12 - EC16			µg/l	10	10	10	2	0.00	10.00	10.00	10.00																			
TPH-CWG - Aliphatic >EC16 - EC21			µg/l	10	10	10	2	0.00	10.00	10.00	10.00																			
TPH-CWG - Aliphatic >EC21 - EC35			µg/l	10	10	10	2	0.00	10.00	10.00	10.00																			
TPH-CWG - Aliphatic (EC5 - EC35)			µg/l	10	10	10	2	0.00	10.00	10.00	10.00																			
TPH-CWG - Aromatic >EC5 - EC7			µg/l	1	1	1	2	0.000	1.000	1.000	1.000																			
TPH-CWG - Aromatic >EC7 - EC8			µg/l	1	1	1	2	0.000	1.000	1.000	1.000																			
TPH-CWG - Aromatic >EC8 - EC10			µg/l	1	1	1	2	0.000	1.000	1.000	1.000																			
TPH-CWG - Aromatic >EC10 - EC12			µg/l	10	10	10	2	0.00	10.00	10.00	10.00																			
TPH-CWG - Aromatic >EC12 - EC16			µg/l	10	10	10	2	0.00	10.00	10.00	10.00																			
TPH-CWG - Aromatic >EC16 - EC21			µg/l	10	10	10	2	0.00	10.00	10.00	10.00																			
TPH-CWG - Aromatic >EC21 - EC35			µg/l	10	10	10	2	0.00	10.00	10.00	10.00																			
TPH-CWG - Aromatic (EC5 - EC35)			µg/l	10	10	10	2	0.00	10.00	10.00	10.00																			
VOCs - All below detection limit except the following:																														
Chloromethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Chloroethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Bromomethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Vinyl Chloride			µg/l	3	3	3	2	0.00	3.00	3.00	3.00	3.00	-			0.3	Fail	2												
Trichlorofluoromethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
1,1-Dichloroethene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
1,1,2-Trichloro 1,2,2-Trifluoroethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Cis-1,2-dichloroethene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
MTBE (Methyl Tertiary Butyl Ether)			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
1,1-Dichloroethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
2,2-Dichloropropane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Trichloromethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00	3.00	2.5	Fail	2	-														
1,1,1-Trichloroethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
1,2-Dichloroethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
1,1-Dichloropropane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Trans-1,2-dichloroethene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Benzene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Tetrachloromethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00	3.00	12	Pass	0	3	Fail	2												
1,2-Dichloropropane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Trichloroethene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00	3.00	10	Pass	0	10	Pass	0												
Chloromethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Bromodichloromethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Cis-1,3-dichloropropene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Trans-1,3-dichloropropene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Toluene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
1,1,2-Trichloroethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
1,3-Dichloropropane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Dibromochloromethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Tetrachloroethene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00	3.00	0.4	Fail	2	10	Pass	0												
1,2-Dichloroethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Chlorobenzene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
1,1,1,2-Tetrachloroethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Ethylbenzene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
p & m-Xylene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Styrene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Tribromomethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
o-Xylene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
1,1,2,2-Tetrachloroethane			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Isopropylbenzene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
Bromobenzene			µg/l	3	3	3	2	0.00	3.00	3.00	3.00																			
n-Propylbenzene			µg/l	3	3	3	2	0																						



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Analytical Report Number : 23-56311

Project / Site name:	Warth Road, Bury	Samples received on:	13/09/2023
Your job number:	3972	Samples instructed on/ Analysis started on:	13/09/2023
Your order number:		Analysis completed by:	19/09/2023
Report Issue Number:	1	Report issued on:	19/09/2023
Samples Analysed:	12 water samples		


Signed: _____
Adam Fenwick
Technical Reviewer
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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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.



Analytical Report Number: 23-56311
Project / Site name: Warth Road, Bury

Lab Sample Number				2810219	2810220	2810221	2810222	2810223
Sample Reference				DS04	DS06	DS07	DS09	DS10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

General Inorganics

pH (L099)	pH Units	N/A	ISO 17025	7.8	7	7.4	6.9	7
Sulphate as SO4	µg/l	45	ISO 17025	96600	80200	31600	1160	18500

Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	0.69
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16	< 0.16	0.69
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Heavy Metals / Metalloids

Boron (dissolved)	µg/l	10	ISO 17025	45	88	51	73	120
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Arsenic (dissolved)	µg/l	0.15	ISO 17025	4.58	0.36	5.96	19.9	47
Barium (dissolved)	µg/l	0.06	ISO 17025	100	130	180	640	290
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	0.2	< 0.02	< 0.02	< 0.02
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.3	< 0.2	< 0.2	< 0.2	0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	3.8	6.6	1.4	2.1	5.1
Lead (dissolved)	µg/l	0.2	ISO 17025	0.3	< 0.2	< 0.2	< 0.2	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	4.6	11	2.6	1.4	0.8
Selenium (dissolved)	µg/l	0.6	ISO 17025	2.8	< 0.6	< 0.6	< 0.6	< 0.6
Vanadium (dissolved)	mg/l	0.0002	ISO 17025	0.0024	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Zinc (dissolved)	µg/l	0.5	ISO 17025	4.9	16	4.3	4.6	2.8

Monoaromatics & Oxygenates

Benzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	9.3	< 3.0	< 3.0	60.3
p & m-xylene	µg/l	3	ISO 17025	< 3.0	29.4	< 3.0	< 3.0	735
o-xylene	µg/l	3	ISO 17025	< 3.0	3.7	< 3.0	< 3.0	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6 _{HS_1D_AL}	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8 _{HS_1D_AL}	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10 _{HS_1D_AL}	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0



Analytical Report Number: 23-56311
Project / Site name: Warth Road, Bury

Lab Sample Number				2810219	2810220	2810221	2810222	2810223
Sample Reference				DS04	DS06	DS07	DS09	DS10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					
TPH-CWG - Aliphatic >C10 - C12 _{EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16 _{EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21 _{EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35 _{EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35) _{HS+EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7 _{HS_1D_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8 _{HS_1D_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10 _{HS_1D_AR}	µg/l	1	ISO 17025	< 1.0	44	< 1.0	< 1.0	830
TPH-CWG - Aromatic >C10 - C12 _{EH_1D_AR_MS}	µg/l	10	NONE	< 10	< 10	< 10	170	65
TPH-CWG - Aromatic >C12 - C16 _{EH_1D_AR_MS}	µg/l	10	NONE	< 10	< 10	< 10	54	20
TPH-CWG - Aromatic >C16 - C21 _{EH_1D_AR_MS}	µg/l	10	NONE	< 10	< 10	< 10	16	< 10
TPH-CWG - Aromatic >C21 - C35 _{EH_1D_AR_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35) _{HS+EH_1D_AR_MS}	µg/l	10	NONE	< 10	44	< 10	240	920

VOCs

Chloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromomethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Vinyl Chloride	µg/l	3	NONE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Trichlorofluoromethane	µg/l	3	NONE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1-Dichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	3	ISO 17025	< 3.0 ##	< 3.0 ##	< 3.0 ##	< 3.0 ##	< 3.0 ##
Trans 1,2-dichloroethylene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1-Dichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
2,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chloroform	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,1-Trichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1-Dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Cis-1,2-dichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Benzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Carbontetrachloride	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Trichloroethene	µg/l	3	ISO 17025	< 3.0	4	< 3.0	< 3.0	< 3.0
Dibromomethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromodichloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Cis-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Trans-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,2-Trichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,3-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Dibromochloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Tetrachloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dibromoethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,1,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	9.3	< 3.0	< 3.0	60.3
p & m-Xylene	µg/l	3	ISO 17025	< 3.0	29.4	< 3.0	< 3.0	735
Styrene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromoform	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
o-Xylene	µg/l	3	ISO 17025	< 3.0	3.7	< 3.0	< 3.0	< 3.0
Isopropylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,2,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0



Analytical Report Number: 23-56311
Project / Site name: Warth Road, Bury

Lab Sample Number				2810219	2810220	2810221	2810222	2810223
Sample Reference				DS04	DS06	DS07	DS09	DS10
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					
n-Propylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
2-Chlorotoluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-Chlorotoluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,3,5-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	3.4
tert-Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,4-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	171	38.7
sec-Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,3-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
p-Isopropyltoluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,4-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dibromo-3-chloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,4-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Hexachlorobutadiene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 23-56311
Project / Site name: Warth Road, Bury

Lab Sample Number				2810224	2810225	2810754	2810755	2810756
Sample Reference				DS11	DS27	DS12	DS18	DS22
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

General Inorganics

pH (L099)	pH Units	N/A	ISO 17025	7	6.9	6.7	7.3	7
Sulphate as SO4	µg/l	45	ISO 17025	3680	772	4660	9430	5670

Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	110	7.87	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	0.18	< 0.01	0.05	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	0.33	< 0.01	1.57	0.19	< 0.01
Fluorene	µg/l	0.01	ISO 17025	0.38	< 0.01	0.3	0.19	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	1.04	< 0.01	0.25	0.7	0.41
Anthracene	µg/l	0.01	ISO 17025	0.25	< 0.01	0.02	0.14	0.26
Fluoranthene	µg/l	0.01	ISO 17025	1.59	< 0.01	0.04	0.51	2.14
Pyrene	µg/l	0.01	ISO 17025	1.82	< 0.01	0.04	0.44	2.27
Benzo(a)anthracene	µg/l	0.01	ISO 17025	1.12	< 0.01	0.12	0.2	1.31
Chrysene	µg/l	0.01	ISO 17025	1.26	< 0.01	0.12	0.17	1.59
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	1.25	< 0.01	0.01	< 0.01	0.82
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	0.84	< 0.01	0.01	< 0.01	0.24
Benzo(a)pyrene	µg/l	0.01	ISO 17025	1.05	< 0.01	0.01	< 0.01	0.55
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	0.79	< 0.01	< 0.01	< 0.01	0.22
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	0.63	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	0.95	< 0.01	0.01	< 0.01	0.28

Total PAH

Total EPA-16 PAHs	µg/l	0.16	ISO 17025	13.5	< 0.16	112	10.4	10.1
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Heavy Metals / Metalloids

Boron (dissolved)	µg/l	10	ISO 17025	49	70	86	23	190
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Arsenic (dissolved)	µg/l	0.15	ISO 17025	44.1	1.87	2.83	0.99	2.65
Barium (dissolved)	µg/l	0.06	ISO 17025	560	720	320	130	860
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.04	< 0.02	0.03	< 0.02	< 0.02
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.3	< 0.2	< 0.2	< 0.2	0.8
Copper (dissolved)	µg/l	0.5	ISO 17025	5.9	2.4	6.3	0.9	10
Lead (dissolved)	µg/l	0.2	ISO 17025	4.9	< 0.2	< 0.2	< 0.2	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	0.5	0.6	1.7	2.3	13
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Vanadium (dissolved)	mg/l	0.0002	ISO 17025	0.0003	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Zinc (dissolved)	µg/l	0.5	ISO 17025	5.8	4.1	4.7	6.8	13

Monoaromatics & Oxygenates

Benzene	µg/l	3	ISO 17025	< 3.0	< 3.0	32.6	< 3.0	29.9
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	83.9	415
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	1660	17800 &	18900 &
p & m-xylene	µg/l	3	ISO 17025	< 3.0	< 3.0	712	33100 &	29700 &
o-xylene	µg/l	3	ISO 17025	< 3.0	< 3.0	19.5	11500 &	18500 &
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6 _{HS_1D_AL}	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8 _{HS_1D_AL}	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10 _{HS_1D_AL}	µg/l	1	NONE	19000	< 1.0	< 1.0	150	120



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Project / Site name: Warth Road, Bury

Lab Sample Number				2810224	2810225	2810754	2810755	2810756
Sample Reference				DS11	DS27	DS12	DS18	DS22
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					
TPH-CWG - Aliphatic >C10 - C12 _{EH_1D_AL_MS}	µg/l	10	NONE	17000	< 10	< 10	750	< 10
TPH-CWG - Aliphatic >C12 - C16 _{EH_1D_AL_MS}	µg/l	10	NONE	1100	< 10	< 10	75	< 10
TPH-CWG - Aliphatic >C16 - C21 _{EH_1D_AL_MS}	µg/l	10	NONE	180	< 10	< 10	96	510
TPH-CWG - Aliphatic >C21 - C35 _{EH_1D_AL_MS}	µg/l	10	NONE	1100	< 10	< 10	1600	5100
TPH-CWG - Aliphatic (C5 - C35) _{HS+EH_1D_AL_MS}	µg/l	10	NONE	39000	< 10	< 10	2700	5700

TPH-CWG - Aromatic >C5 - C7 _{HS_1D_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	24	< 1.0	13
TPH-CWG - Aromatic >C7 - C8 _{HS_1D_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	69	360
TPH-CWG - Aromatic >C8 - C10 _{HS_1D_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	2800	67000 &	70000 &
TPH-CWG - Aromatic >C10 - C12 _{EH_1D_AR_MS}	µg/l	10	NONE	14000	410	1200	680	< 10
TPH-CWG - Aromatic >C12 - C16 _{EH_1D_AR_MS}	µg/l	10	NONE	640	60	220	250	< 10
TPH-CWG - Aromatic >C16 - C21 _{EH_1D_AR_MS}	µg/l	10	NONE	160	< 10	< 10	140	< 10
TPH-CWG - Aromatic >C21 - C35 _{EH_1D_AR_MS}	µg/l	10	NONE	150	< 10	< 10	110	< 10
TPH-CWG - Aromatic (C5 - C35) _{HS+EH_1D_AR_MS}	µg/l	10	NONE	15000	470	4300	68000	70000

VOCs

Chloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromomethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Vinyl Chloride	µg/l	3	NONE	< 3.0	< 3.0	33	< 3.0	< 3.0
Trichlorofluoromethane	µg/l	3	NONE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1-Dichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	3	ISO 17025	< 3.0 ##	< 3.0 ##	< 3.0 ##	< 3.0	< 3.0
Trans 1,2-dichloroethylene	µg/l	3	ISO 17025	< 3.0	< 3.0	6.9	< 3.0	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1-Dichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
2,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chloroform	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,1-Trichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1-Dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Cis-1,2-dichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	49.2	< 3.0	< 3.0
Benzene	µg/l	3	ISO 17025	< 3.0	< 3.0	32.6	< 3.0	29.9
Carbontetrachloride	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Trichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Dibromomethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromodichloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Cis-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Trans-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	83.9	415
1,1,2-Trichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,3-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Dibromochloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Tetrachloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dibromoethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,1,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	1660	17800	18900
p & m-Xylene	µg/l	3	ISO 17025	< 3.0	< 3.0	712	33100	29700
Styrene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromoform	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
o-Xylene	µg/l	3	ISO 17025	< 3.0	< 3.0	19.5	11500	18500
Isopropylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	87.7	102	103
1,1,2,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0



Analytical Report Number: 23-56311
Project / Site name: Warth Road, Bury

Lab Sample Number				2810224	2810225	2810754	2810755	2810756
Sample Reference				DS11	DS27	DS12	DS18	DS22
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					
n-Propylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	114	< 3.0	< 3.0
2-Chlorotoluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-Chlorotoluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,3,5-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	109	561	273
tert-Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,4-Trimethylbenzene	µg/l	3	ISO 17025	1670	275	2300	1530	654
sec-Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	11.9	< 3.0	< 3.0
1,3-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
p-Isopropyltoluene	µg/l	3	ISO 17025	< 3.0	< 3.0	44.2	< 3.0	< 3.0
1,4-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	85.2	< 3.0	< 3.0
1,2-Dibromo-3-chloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,4-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Hexachlorobutadiene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 23-56311
Project / Site name: Warth Road, Bury

Lab Sample Number				2810757	2810758
Sample Reference				DS26	DS33
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				11/09/2023	11/09/2023
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		

General Inorganics

pH (L099)	pH Units	N/A	ISO 17025	7.2	7.6
Sulphate as SO4	µg/l	45	ISO 17025	28400	27300

Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16
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Heavy Metals / Metalloids

Boron (dissolved)	µg/l	10	ISO 17025	57	39
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0

Arsenic (dissolved)	µg/l	0.15	ISO 17025	2.75	< 0.15
Barium (dissolved)	µg/l	0.06	ISO 17025	320	88
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	< 0.02
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	3.1	1.4
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	2.1	0.6
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6
Vanadium (dissolved)	mg/l	0.0002	ISO 17025	< 0.0002	< 0.0002
Zinc (dissolved)	µg/l	0.5	ISO 17025	6.4	2.5

Monoaromatics & Oxygenates

Benzene	µg/l	3	ISO 17025	< 3.0	4.3
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
p & m-xylene	µg/l	3	ISO 17025	< 3.0	5.6
o-xylene	µg/l	3	ISO 17025	< 3.0	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6 _{HS_1D_AL}	µg/l	1	NONE	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8 _{HS_1D_AL}	µg/l	1	NONE	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10 _{HS_1D_AL}	µg/l	1	NONE	< 1.0	< 1.0



Analytical Report Number: 23-56311
Project / Site name: Warth Road, Bury

Lab Sample Number				2810757	2810758
Sample Reference				DS26	DS33
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				11/09/2023	11/09/2023
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		
TPH-CWG - Aliphatic >C10 - C12 _{EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16 _{EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21 _{EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35 _{EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35) _{HS+EH_1D_AL_MS}	µg/l	10	NONE	< 10	< 10

TPH-CWG - Aromatic >C5 - C7 _{HS_1D_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8 _{HS_1D_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10 _{HS_1D_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12 _{EH_1D_AR_MS}	µg/l	10	NONE	< 10	30
TPH-CWG - Aromatic >C12 - C16 _{EH_1D_AR_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aromatic >C16 - C21 _{EH_1D_AR_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aromatic >C21 - C35 _{EH_1D_AR_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aromatic (C5 - C35) _{HS+EH_1D_AR_MS}	µg/l	10	NONE	< 10	30

VOCs

Chloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Chloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Bromomethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Vinyl Chloride	µg/l	3	NONE	< 3.0	< 3.0
Trichlorofluoromethane	µg/l	3	NONE	< 3.0	< 3.0
1,1-Dichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	3	ISO 17025	< 3.0 ##	< 3.0 ##
Trans 1,2-dichloroethylene	µg/l	3	ISO 17025	< 3.0	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1-Dichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
2,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0
Chloroform	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1,1-Trichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2-Dichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1-Dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0
Cis-1,2-dichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0
Benzene	µg/l	3	ISO 17025	< 3.0	4.3
Carbontetrachloride	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0
Trichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0
Dibromomethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Bromodichloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Cis-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0
Trans-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1,2-Trichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
1,3-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0
Dibromochloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Tetrachloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2-Dibromoethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Chlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1,1,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
p & m-Xylene	µg/l	3	ISO 17025	< 3.0	5.6
Styrene	µg/l	3	ISO 17025	< 3.0	< 3.0
Bromoform	µg/l	3	ISO 17025	< 3.0	< 3.0
o-Xylene	µg/l	3	ISO 17025	< 3.0	< 3.0
Isopropylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1,2,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Bromobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0



Analytical Report Number: 23-56311
Project / Site name: Warth Road, Bury

Lab Sample Number				2810757	2810758
Sample Reference				DS26	DS33
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				11/09/2023	11/09/2023
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		
n-Propylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
2-Chlorotoluene	µg/l	3	ISO 17025	< 3.0	< 3.0
4-Chlorotoluene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,3,5-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0	13.7
tert-Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2,4-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
sec-Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,3-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
p-Isopropyltoluene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,4-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2-Dibromo-3-chloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2,4-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
Hexachlorobutadiene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2,3-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number : 23-56311
Project / Site name: Warth Road, Bury

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Boron in water	Determination of boron in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM	L039-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	ISO 17025
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260. Refer to CoA for analyte specific accreditation	L073B-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-PL	W	ISO 17025

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL or B' 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.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total



Analytical Report Number : 23-56311
Project / Site name: Warth Road, Bury

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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& - Data reported unaccredited - method detection limit raised due to the sample being diluted due to parameter over calibration range. The result should be considered as being deviating and should be interpreted with caution
- Quality control parameter has a high recovery (outside of limit); however the associated result is below the reporting limit, other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised



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Analytical Report Number : 23-56692

Project / Site name:	Warth Road, Bury	Samples received on:	15/09/2023
Your job number:	3972	Samples instructed on / Analysis started on:	15/09/2023
Your order number:		Analysis completed by:	20/09/2023
Report Issue Number:	1	Report issued on:	20/09/2023
Samples Analysed:	6 water samples		

Signed: _____

Joanna Szwagrak
Junior Reporting Specialist
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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Environmental Science

Analytical Report Number: 23-56692
Project / Site name: Warth Road, Bury

Lab Sample Number	2812285			2812286	2812287	2812288	2812289
Sample Reference	DS2			DS14	DS16	DS28	DS31
Sample Number	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled	11/09/2023			11/09/2023	11/09/2023	11/09/2023	11/09/2023
Time Taken	None Supplied			None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status				

General Inorganics

pH (L099)	pH Units	N/A	ISO 17025	7.7	7.4	7.3	7.5	8.2
Sulphate as SO ₄	µg/l	45	ISO 17025	65700	107000	41600	43700	88000

Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
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Heavy Metals / Metalloids

Boron (dissolved)	µg/l	10	ISO 17025	85	74	64	61	48
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.28	1.01	0.74	2.82	0.23
Barium (dissolved)	µg/l	0.06	ISO 17025	250	200	140	490	76
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	0.04	0.04	< 0.02	< 0.02
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	0.2	0.2	< 0.2	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	7.2	1.8	4.6	1.2	1.1
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	2.9	1.8	1.6	1	1.2
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Vanadium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025	8	4.1	12	1.8	1.8

Monoaromatics & Oxygenates

Benzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
p & m-xylene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
o-xylene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0



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Environmental Science

Analytical Report Number: 23-56692
Project / Site name: Warth Road, Bury

Lab Sample Number					2812285	2812286	2812287	2812288	2812289
Sample Reference					DS2	DS14	DS16	DS28	DS31
Sample Number					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled					11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023
Time Taken					None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status						

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6 _{HS 1D AL}	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8 _{HS 1D AL}	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10 _{HS 1D AL}	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12 _{EH 1D AL MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16 _{EH 1D AL MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21 _{EH 1D AL MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35 _{EH 1D AL MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35) _{HS+EH 1D AL MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7 _{HS 1D AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8 _{HS 1D AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10 _{HS 1D AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12 _{EH 1D AR MS}	µg/l	10	NONE	250	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16 _{EH 1D AR MS}	µg/l	10	NONE	28	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21 _{EH 1D AR MS}	µg/l	10	NONE	11	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35 _{EH 1D AR MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35) _{HS+EH 1D AR MS}	µg/l	10	NONE	280	< 10	< 10	< 10	< 10

VOCs

Chloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromomethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Vinyl Chloride	µg/l	3	NONE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Trichlorofluoromethane	µg/l	3	NONE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1-Dichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Trans 1,2-dichloroethylene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1-Dichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
2,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chloroform	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,1-Trichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1-Dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Cis-1,2-dichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Benzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Carbontetrachloride	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Trichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Dibromomethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromodichloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Cis-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Trans-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,1-Trichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,3-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Dibromochloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Tetrachloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dibromoethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Chlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,1,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0



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Environmental Science

Analytical Report Number: 23-56692
Project / Site name: Warth Road, Bury

Lab Sample Number				2812285	2812286	2812287	2812288	2812289
Sample Reference				DS2	DS14	DS16	DS28	DS31
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
p & m-Xylene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Styrene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromoform	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
o-Xylene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Isopropylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,1,2,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Bromobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
n-Propylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
2-Chlorotoluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-Chlorotoluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,3,5-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
tert-Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,4-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
sec-Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,3-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
p-Isopropyltoluene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,4-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2-Dibromo-3-chloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,4-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Hexachlorobutadiene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
1,2,3-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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Analytical Report Number: 23-56692
Project / Site name: Warth Road, Bury

Lab Sample Number	2812290			
Sample Reference	DS32			
Sample Number	None Supplied			
Depth (m)	None Supplied			
Date Sampled	11/09/2023			
Time Taken	None Supplied			
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	

General Inorganics

pH (L099)	pH Units	N/A	ISO 17025	7.4
Sulphate as SO4	µg/l	45	ISO 17025	116000

Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16
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Heavy Metals / Metalloids

Boron (dissolved)	µg/l	10	ISO 17025	67
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0

Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.34
Barium (dissolved)	µg/l	0.06	ISO 17025	200
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	4
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.2
Selenium (dissolved)	µg/l	0.6	ISO 17025	0.9
Vanadium (dissolved)	µg/l	0.2	ISO 17025	< 0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025	2.5

Monoaromatics & Oxygenates

Benzene	µg/l	3	ISO 17025	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0
Ethylbenzene	µg/l	3	ISO 17025	< 3.0
p & m-xylene	µg/l	3	ISO 17025	< 3.0
o-xylene	µg/l	3	ISO 17025	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0



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Analytical Report Number: 23-56692
Project / Site name: Warth Road, Bury

Lab Sample Number	2812290			
Sample Reference	DS32			
Sample Number	None Supplied			
Depth (m)	None Supplied			
Date Sampled	11/09/2023			
Time Taken	None Supplied			
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6 _{HS 1D AL}	µg/l	1	NONE	< 1.0
TPH-CWG - Aliphatic >C6 - C8 _{HS 1D AL}	µg/l	1	NONE	< 1.0
TPH-CWG - Aliphatic >C8 - C10 _{HS 1D AL}	µg/l	1	NONE	< 1.0
TPH-CWG - Aliphatic >C10 - C12 _{EH 1D AL MS}	µg/l	10	NONE	< 10
TPH-CWG - Aliphatic >C12 - C16 _{EH 1D AL MS}	µg/l	10	NONE	< 10
TPH-CWG - Aliphatic >C16 - C21 _{EH 1D AL MS}	µg/l	10	NONE	< 10
TPH-CWG - Aliphatic >C21 - C35 _{EH 1D AL MS}	µg/l	10	NONE	< 10
TPH-CWG - Aliphatic (C5 - C35) _{HS+EH 1D AL MS}	µg/l	10	NONE	< 10

TPH-CWG - Aromatic >C5 - C7 _{HS 1D AR}	µg/l	1	ISO 17025	< 1.0
TPH-CWG - Aromatic >C7 - C8 _{HS 1D AR}	µg/l	1	ISO 17025	< 1.0
TPH-CWG - Aromatic >C8 - C10 _{HS 1D AR}	µg/l	1	ISO 17025	< 1.0
TPH-CWG - Aromatic >C10 - C12 _{EH 1D AR MS}	µg/l	10	NONE	< 10
TPH-CWG - Aromatic >C12 - C16 _{EH 1D AR MS}	µg/l	10	NONE	< 10
TPH-CWG - Aromatic >C16 - C21 _{EH 1D AR MS}	µg/l	10	NONE	< 10
TPH-CWG - Aromatic >C21 - C35 _{EH 1D AR MS}	µg/l	10	NONE	< 10
TPH-CWG - Aromatic (C5 - C35) _{HS+EH 1D AR MS}	µg/l	10	NONE	< 10

VOCs

Chloromethane	µg/l	3	ISO 17025	< 3.0
Chloroethane	µg/l	3	ISO 17025	< 3.0
Bromomethane	µg/l	3	ISO 17025	< 3.0
Vinyl Chloride	µg/l	3	NONE	< 3.0
Trichlorofluoromethane	µg/l	3	NONE	< 3.0
1,1-Dichloroethene	µg/l	3	ISO 17025	< 3.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	3	ISO 17025	< 3.0
Trans 1,2-dichloroethylene	µg/l	3	ISO 17025	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0
1,1-Dichloroethane	µg/l	3	ISO 17025	< 3.0
2,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0
Chloroform	µg/l	3	ISO 17025	< 3.0
1,1,1-Trichloroethane	µg/l	3	ISO 17025	< 3.0
1,2-Dichloroethane	µg/l	3	ISO 17025	< 3.0
1,1-Dichloropropene	µg/l	3	ISO 17025	< 3.0
Cis-1,2-dichloroethene	µg/l	3	ISO 17025	< 3.0
Benzene	µg/l	3	ISO 17025	< 3.0
Carbon tetrachloride	µg/l	3	ISO 17025	< 3.0
1,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0
Trichloroethene	µg/l	3	ISO 17025	< 3.0
Dibromomethane	µg/l	3	ISO 17025	< 3.0
Bromodichloromethane	µg/l	3	ISO 17025	< 3.0
Cis-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0
Trans-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0
1,1,2-Trichloroethane	µg/l	3	ISO 17025	< 3.0
1,3-Dichloropropane	µg/l	3	ISO 17025	< 3.0
Dibromochloromethane	µg/l	3	ISO 17025	< 3.0
Tetrachloroethene	µg/l	3	ISO 17025	< 3.0
1,2-Dibromoethane	µg/l	3	ISO 17025	< 3.0
Chlorobenzene	µg/l	3	ISO 17025	< 3.0
1,1,1,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0



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Analytical Report Number: 23-56692
Project / Site name: Warth Road, Bury

Lab Sample Number				2812290
Sample Reference				DS32
Sample Number				None Supplied
Depth (m)				None Supplied
Date Sampled				11/09/2023
Time Taken				None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	
Ethylbenzene	µg/l	3	ISO 17025	< 3.0
p & m-Xylene	µg/l	3	ISO 17025	< 3.0
Styrene	µg/l	3	ISO 17025	< 3.0
Bromoform	µg/l	3	ISO 17025	< 3.0
o-Xylene	µg/l	3	ISO 17025	< 3.0
Isopropylbenzene	µg/l	3	ISO 17025	< 3.0
1,1,2,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0
Bromobenzene	µg/l	3	ISO 17025	< 3.0
n-Propylbenzene	µg/l	3	ISO 17025	< 3.0
2-Chlorotoluene	µg/l	3	ISO 17025	< 3.0
4-Chlorotoluene	µg/l	3	ISO 17025	< 3.0
1,3,5-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0
tert-Butylbenzene	µg/l	3	ISO 17025	< 3.0
1,2,4-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0
sec-Butylbenzene	µg/l	3	ISO 17025	< 3.0
1,3-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0
p-Isopropyltoluene	µg/l	3	ISO 17025	< 3.0
1,4-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0
1,2-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0
Butylbenzene	µg/l	3	ISO 17025	< 3.0
1,2-Dibromo-3-chloropropane	µg/l	3	ISO 17025	< 3.0
1,2,4-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0
Hexachlorobutadiene	µg/l	3	ISO 17025	< 3.0
1,2,3-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 23-56692
Project / Site name: Warth Road, Bury

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Boron in water	Determination of boron in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM	L039-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	ISO 17025
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260. Refer to CoA for analyte specific accreditation	L073B-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-PL	W	ISO 17025

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' 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.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted



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Analytical Report Number : 23-56692
Project / Site name: Warth Road, Bury

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Operator - understore to separate acronyms (exception for +)					
Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total					

Sample Deviation Report



Analytical Report Number : 23-56692

Project / Site name: Warth Road, Bury

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

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

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
DS14	None Supplied	W	2812286	c	pH at 20oC in water (automated)	L099-PL	c
DS16	None Supplied	W	2812287	c	pH at 20oC in water (automated)	L099-PL	c
DS2	None Supplied	W	2812285	c	pH at 20oC in water (automated)	L099-PL	c
DS28	None Supplied	W	2812288	c	pH at 20oC in water (automated)	L099-PL	c
DS31	None Supplied	W	2812289	c	pH at 20oC in water (automated)	L099-PL	c
DS32	None Supplied	W	2812290	c	pH at 20oC in water (automated)	L099-PL	c



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e:

Analytical Report Number : 23-57692

Project / Site name:	Warth Road, Bury	Samples received on:	20/09/2023
Your job number:	3972	Samples instructed on / Analysis started on:	20/09/2023
Your order number:		Analysis completed by:	26/09/2023
Report Issue Number:	1	Report issued on:	26/09/2023
Samples Analysed:	2 water samples		

Signed: _____

Joanna Szwagrak
Junior Reporting Specialist
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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Analytical Report Number: 23-57692
Project / Site name: Warth Road, Bury

Lab Sample Number				2818620	2818621
Sample Reference				US	DS
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				20/09/2023	20/09/2023
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		

General Inorganics

Sulphate as SO ₄	mg/l	0.045	ISO 17025	20.5	20
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16
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Heavy Metals / Metalloids

Boron (dissolved)	µg/l	10	ISO 17025	24	22
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0

Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.91	0.88
Barium (dissolved)	µg/l	0.06	ISO 17025	33	32
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.03	0.03
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.8	0.7
Copper (dissolved)	µg/l	0.5	ISO 17025	6.9	6.8
Lead (dissolved)	µg/l	0.2	ISO 17025	0.4	0.5
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	2.6	2.6
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.7	0.7
Zinc (dissolved)	µg/l	0.5	ISO 17025	3.7	4.3

Monoaromatics & Oxygenates

Benzene	µg/l	3	ISO 17025	< 3.0	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
p & m-xylene	µg/l	3	ISO 17025	< 3.0	< 3.0
o-xylene	µg/l	3	ISO 17025	< 3.0	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0



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Environmental Science

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Depth (m)	None Supplied	None Supplied
Date Sampled	20/09/2023	20/09/2023
Time Taken	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection
		Accreditation Status

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6 _{HS 1D AL}	µg/l	1	NONE	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8 _{HS 1D AL}	µg/l	1	NONE	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10 _{HS 1D AL}	µg/l	1	NONE	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12 _{EH 1D AL MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16 _{EH 1D AL MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21 _{EH 1D AL MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35 _{EH 1D AL MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35) _{HS+EH 1D AL MS}	µg/l	10	NONE	< 10	< 10

TPH-CWG - Aromatic >C5 - C7 _{HS 1D AR}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8 _{HS 1D AR}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10 _{HS 1D AR}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12 _{EH 1D AR MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aromatic >C12 - C16 _{EH 1D AR MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aromatic >C16 - C21 _{EH 1D AR MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aromatic >C21 - C35 _{EH 1D AR MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aromatic (C5 - C35) _{HS+EH 1D AR MS}	µg/l	10	NONE	< 10	< 10

VOCs

Chloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Chloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Bromomethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Vinyl Chloride	µg/l	3	NONE	< 3.0	< 3.0
Trichlorofluoromethane	µg/l	3	NONE	< 3.0	< 3.0
1,1-Dichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Trans 1,2-dichloroethylene	µg/l	3	ISO 17025	< 3.0	< 3.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1-Dichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
2,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0
Chloroform	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1,1-Trichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2-Dichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1-Dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0
Cis-1,2-dichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0
Benzene	µg/l	3	ISO 17025	< 3.0	< 3.0
Carbon tetrachloride	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0
Trichloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0
Dibromomethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Bromodichloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Cis-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0
Trans-1,3-dichloropropene	µg/l	3	ISO 17025	< 3.0	< 3.0
Toluene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1,2-Trichloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
1,3-Dichloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0
Dibromochloromethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Tetrachloroethene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2-Dibromoethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Chlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1,1,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0



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Depth (m)				None Supplied	None Supplied
Date Sampled				20/09/2023	20/09/2023
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		
Ethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
p & m-Xylene	µg/l	3	ISO 17025	< 3.0	< 3.0
Styrene	µg/l	3	ISO 17025	< 3.0	< 3.0
Bromoform	µg/l	3	ISO 17025	< 3.0	< 3.0
o-Xylene	µg/l	3	ISO 17025	< 3.0	< 3.0
Isopropylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,1,2,2-Tetrachloroethane	µg/l	3	ISO 17025	< 3.0	< 3.0
Bromobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
n-Propylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
2-Chlorotoluene	µg/l	3	ISO 17025	< 3.0	< 3.0
4-Chlorotoluene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,3,5-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
tert-Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2,4-Trimethylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
sec-Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,3-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
p-Isopropyltoluene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,4-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2-Dichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
Butylbenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2-Dibromo-3-chloropropane	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2,4-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0
Hexachlorobutadiene	µg/l	3	ISO 17025	< 3.0	< 3.0
1,2,3-Trichlorobenzene	µg/l	3	ISO 17025	< 3.0	< 3.0

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 23-57692
Project / Site name: Warth Road, Bury

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Boron in water	Determination of boron in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM	L039-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	ISO 17025
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260. Refer to CoA for analyte specific accreditation	L073B-PL	W	ISO 17025

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' 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.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
-	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total