Analytical Report Number: 26-016523
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				875143	875144	875145	875146	875147
Sample Reference				TP609	TP609	TP610	TP611	TP611
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	1.20	0.50	0.10	None Supplied
Date Sampled				24/03/2026	24/03/2026	24/03/2026	24/03/2026	24/03/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Mass of stone >10mm	%	0.1	NONE	< 0.1	< 0.1	39.1	< 0.1	-
Moisture Content	%	0.01	NONE	43	6.4	7.4	51	-
Total mass of sample received	kg	0.1	NONE	1	2	2	1.3	-
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DOC	-	-	-	DOC
Analysis completed	N/A	N/A	N/A	08/04/2026	-	-	-	08/04/2026
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	6	7.8	8.3	7.1	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	0.5	0.7	-	-
Total Organic Carbon (TOC) – Manual	%	0.1	MCERTS	12	-	-	17	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.08	< 0.05	0.07	0.12	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.36	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.26	-
Phenanthrene	mg/kg	0.05	MCERTS	0.14	0.07	0.57	1.8	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.15	0.43	-
Fluoranthene	mg/kg	0.05	MCERTS	0.11	< 0.05	0.83	3	-
Pyrene	mg/kg	0.05	MCERTS	0.08	< 0.05	0.69	2.5	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.07	< 0.05	0.44	1.5	-
Chrysene	mg/kg	0.05	MCERTS	0.07	< 0.05	0.52	1.5	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.07	< 0.05	0.51	1.7	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.23	0.86	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.39	1.4	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.21	0.77	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	0.18	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.18	0.88	-
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	4.86	17.2	-

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

Analytical Report Number: 26-016523
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				875143	875144	875145	875146	875147
Sample Reference				TP609	TP609	TP610	TP611	TP611
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	1.20	0.50	0.10	None Supplied
Date Sampled				24/03/2026	24/03/2026	24/03/2026	24/03/2026	24/03/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Heavy Metals / Metalloids								
Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	1.8	2.1	2.3	1.9	-
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.9	8.9	8.4	5.7	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.87	1.2	2.2	1	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.9	0.4	0.8	3	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	0.4	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	U/S *U/S g	< 1.8	< 1.8	U/S *U/S g	-
Chromium (hexavalent) by IC	mg/kg	1.8	NONE	< 1.80	-	-	< 1.80	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	9.3	13	14	9.6	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	37	43	42	47	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	19	23	48	29	-
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	25	38	31	25	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	2.1	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	13	16	24	16	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	100	110	99	130	-
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	<2 ^^	< 1.0	< 1.0	<2 ^^	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	<4 ^^	< 2.0	< 2.0	<4 ^^	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	<16 ^^	< 8.0	< 8.0	<16 ^^	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	<16 ^^	< 8.0	14	23	-
TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$	mg/kg	8.4	NONE	<16.8 ^^	< 8.4	< 8.4	36	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	< 10	< 10	14	28	-
TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	< 10	< 10	14	64	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	<2 ^^	< 1.0	< 1.0	<2 ^^	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	<4 ^^	< 2.0	< 2.0	<4 ^^	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	<20 ^^	< 10	< 10	<20 ^^	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	<20 ^^	< 10	< 10	31	-
TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$	mg/kg	8.4	NONE	<16.8 ^^	< 8.4	< 8.4	130	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	31	-
TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	< 10	< 10	< 10	160	-
VOCs								
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-
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	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	-

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

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Analytical Report Number : 26-016523
Project / Site name: Goat Mill Road

* 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 *
875143	TP609	None Supplied	0.1	Brown loam and sand with vegetation
875144	TP609	None Supplied	1.2	Brown clay and sand with vegetation
875145	TP610	None Supplied	0.5	Brown gravelly clay with stones and gravel
875146	TP611	None Supplied	0.1	Brown loam and sand with vegetation

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Analytical Report Number : 26-016523
Project / Site name: Goat Mill Road

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	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.	L019B	D	NONE
Total organic carbon in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L023B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
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	L038B	D	MCERTS
Hexavalent chromium in soil by Ion Chromatography	Determination of hexavalent chromium in alkaline soil extract by use of ion chromatography with spectrophotometric detection	In-house method	L130B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
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
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
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	L080-PL	W	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	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

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Analytical Report Number : 26-016523
Project / Site name: Goat Mill Road

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	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.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

*U/S g- Unsuitable for analysis due to high colour intensity.
^^- Sample required dilution within the concentration range for the procedure due to matrix effect/ analyte concentration/ sample volume. The method limit of detection has been raised in line with the dilution.

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Tetra Tech.
10 St Andrews Crescent
Cardiff
Wales
CF10 3DD

t: 029 20231141

e: Nicholas.bool@tetratech.com

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-016856

Project / Site name:	Goat Mill Road	**Samples received on:**	01/04/2026
Your job number:	B077402	**Samples instructed on/ Analysis started on:**	01/04/2026
Your order number:	7023391	**Analysis completed by:**	13/04/2026
Report Issue Number:	1	**Report issued on:**	13/04/2026
Samples Analysed:	5 soil samples		

Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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

Analytical Report Number: 26-016856
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				876888	876889	876890	876891	876892
Sample Reference				TP612	TP612	TP612	TP614	TP614
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.50	1.10	0.50	2.20
Date Sampled				27/03/2026	27/03/2026	27/03/2026	27/03/2026	27/03/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Mass of stone >10mm	%	0.1	NONE	-	50.6	40.3	77.8	49.7
Moisture Content	%	0.01	NONE	-	12	16	5.5	7.2
Total mass of sample received	kg	0.1	NONE	-	1.9	1.5	2	1.7
Whole Sample Crushed	N/A	N/A	NONE	-	Crushed	-	Crushed	-
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	CZJ	-	-	-	-
Analysis completed	N/A	N/A	N/A	10/04/2026	-	-	-	-
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	-	-	9.7	-	7.8
Total Cyanide	mg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	1	-	1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	0.14	-	< 0.05	-
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	-	0.07	-	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	-	0.42	-	0.12	-
Anthracene	mg/kg	0.05	MCERTS	-	0.13	-	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	-	0.56	-	0.05	-
Pyrene	mg/kg	0.05	MCERTS	-	0.46	-	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	0.35	-	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	-	0.35	-	0.08	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	0.41	-	0.07	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	0.11	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	0.23	-	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	0.15	-	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	0.07	-	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	0.14	-	< 0.05	-
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	3.58	-	< 0.80	-

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Analytical Report Number: 26-016856
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				876888	876889	876890	876891	876892
Sample Reference				TP612	TP612	TP612	TP614	TP614
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.50	1.10	0.50	2.20
Date Sampled				27/03/2026	27/03/2026	27/03/2026	27/03/2026	27/03/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Heavy Metals / Metalloids								
Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	-	-	2.9	-	1.9
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	9.5	-	8.6
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	3.5	-	1.2
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	2.6	-	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	0.3	-	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	< 1.8	-	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	21	-	12
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	40	-	43
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	23	-	25
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	< 0.3	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	17	-	37
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	6	-	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	40	-	18
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	64	-	90
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	-	-	< 2.0	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	-	< 8.0	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	-	< 8.0	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$	mg/kg	8.4	NONE	-	-	< 8.4	< 8.4	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	< 10	< 10	-
TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	< 10	< 10	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	-	< 0.010	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	-	-	< 0.020	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	-	-	< 2.0	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	-	< 10	< 10	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	-	< 10	< 10	-
TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$	mg/kg	8.4	NONE	-	-	< 8.4	< 8.4	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	< 10	< 10	-
TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	< 10	< 10	-
VOCs								
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	-
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	8	MCERTS	-	-	< 8.0	< 8.0	-
o-Xylene	µg/kg	5	MCERTS	-	-	< 5.0	< 5.0	-

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

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

Analytical Report Number : 26-016856
Project / Site name: Goat Mill Road

* 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 *
876889	TP612	None Supplied	0.5	Brown loam and sand with vegetation and stones
876890	TP612	None Supplied	1.1	Brown loam and sand with vegetation and stones
876891	TP614	None Supplied	0.5	Brown clay and loam with vegetation and stones
876892	TP614	None Supplied	2.2	Brown clay and sand with gravel and stones

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Analytical Report Number : 26-016856
Project / Site name: Goat Mill Road

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Whole Sample Crushed	Either: Client specific preparation instructions - sample(s) crushed whole prior to analysis OR Sample unsuitable for standard preparation and therefore crushed whole prior to analysis	In house method, applicable to dry samples only	L019B	D	NONE
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	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.	L019B	D	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
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	L038B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
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
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
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	L080-PL	W	MCERTS
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS

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Analytical Report Number : 26-016856
Project / Site name: Goat Mill Road

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

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

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.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Tetra Tech.
Hodge House
114-116 St Mary Street
Cardiff
CF10 1DY

t:

e: james.craddock@tetratech.com; Nicholas.bool@tetratech.com

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-017206

Replaces Analytical Report Number: 26-017206, issue no. 2
Client references/information amended.
Office address changed by laboratory

Project / Site name:	Goat Mill Road	**Samples received on:**	02/04/2026
Your job number:	B077402	**Samples instructed on/ Analysis started on:**	02/04/2026
Your order number:	7023391	**Analysis completed by:**	14/04/2026
Report Issue Number:	3	**Report issued on:**	13/05/2026
Samples Analysed:	8 soil samples - 1 leachate sample		

Signed:

Matthew O'Connell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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

Analytical Report Number: 26-017206
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				878488	878489	878490	878491	878492
Sample Reference				TP615	TP615	TP615	TP613	TP613
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10-0.30	0.30-0.70	1.30-2.00	0.10-0.30	0.70-1.00
Date Sampled				26/03/2026	26/03/2026	26/03/2026	26/03/2026	26/03/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Mass of stone >10mm	%	0.1	NONE	48.3	50.6	38.8	42.2	52.1
Moisture Content	%	0.01	NONE	6.5	5.3	5.8	8	9.7
Total mass of sample received	kg	0.1	NONE	1.5	1.7	1.5	1.6	2
Whole Sample Crushed	N/A	N/A	NONE	-	Crushed	-	-	Crushed
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	-	-
Analysis completed	N/A	N/A	N/A	-	-	-	-	-
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	-	7.4	-	-	9.7
Total Cyanide	mg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	0.8	-	-	0.8
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	< 1.0	-	-	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.1	0.09	0.1	0.18	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.26	-
Fluorene	mg/kg	0.05	MCERTS	0.07	< 0.05	< 0.05	0.34	-
Phenanthrene	mg/kg	0.05	MCERTS	0.25	0.18	0.18	2.3	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.89	-
Fluoranthene	mg/kg	0.05	MCERTS	0.19	< 0.05	< 0.05	4.3	-
Pyrene	mg/kg	0.05	MCERTS	0.15	< 0.05	< 0.05	3.5	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.1	< 0.05	< 0.05	2.3	-
Chrysene	mg/kg	0.05	MCERTS	0.16	0.1	< 0.05	2.4	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.1	< 0.05	< 0.05	2.4	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	1	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.07	< 0.05	< 0.05	1.7	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.89	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.32	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.91	-
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.2	< 0.80	< 0.80	23.7	-

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Analytical Report Number: 26-017206
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				878488	878489	878490	878491	878492
Sample Reference				TP615	TP615	TP615	TP613	TP613
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10-0.30	0.30-0.70	1.30-2.00	0.10-0.30	0.70-1.00
Date Sampled				26/03/2026	26/03/2026	26/03/2026	26/03/2026	26/03/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Heavy Metals / Metalloids								
Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	-	2	-	-	< 1.0
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	7.6	-	-	7.8
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	1.6	-	-	3.8
Boron (water soluble)	mg/kg	0.2	MCERTS	-	< 0.2	-	-	1.5
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	-	34	-	-	17
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	43	-	-	33
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	20	-	-	23
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	-	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	18	-	-	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	1.9	-	-	4.4
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	76	-	-	34
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	49	-	-	80
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	-	-	-	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	-	-	-	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	-	-	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	-	-	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$	mg/kg	8.4	NONE	-	-	-	< 8.4	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	-	< 10	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	-	-	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	-	-	-	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	-	-	-	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	-	-	11	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	-	-	22	-
TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$	mg/kg	8.4	NONE	-	-	-	36	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	-	34	-
TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	-	69	-
VOCs								
Chloromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Chloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Bromomethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Vinyl Chloride	µg/kg	5	NONE	-	< 5.0	-	< 5.0	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-

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Analytical Report Number: 26-017206
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				878488	878489	878490	878491	878492
Sample Reference				TP615	TP615	TP615	TP613	TP613
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10-0.30	0.30-0.70	1.30-2.00	0.10-0.30	0.70-1.00
Date Sampled				26/03/2026	26/03/2026	26/03/2026	26/03/2026	26/03/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
2,2-Dichloropropane	µg/kg	5	NONE	-	< 5.0	-	< 5.0	-
Chloroform	µg/kg	5	MCERTS	-	7.1	-	< 5.0	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	< 7.0	-	< 7.0	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Benzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Carbontetrachloride	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	< 6.0	-	< 6.0	-
Trichloroethene	µg/kg	10	MCERTS	-	< 10	-	< 10	-
Dibromomethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Bromodichloromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	< 10	-	< 10	-
Toluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	< 6.0	-	< 6.0	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Dibromochloromethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Tetrachloroethene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Chlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	-	< 8.0	-	< 8.0	-
Styrene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Bromoform	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
o-Xylene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Isopropylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	< 5.0	-	< 5.0	-
Bromobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
n-Propylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Butylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	< 8.0	-	< 8.0	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	-

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Analytical Report Number: 26-017206
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				878488	878489	878490	878491	878492
Sample Reference				TP615	TP615	TP615	TP613	TP613
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10-0.30	0.30-0.70	1.30-2.00	0.10-0.30	0.70-1.00
Date Sampled				26/03/2026	26/03/2026	26/03/2026	26/03/2026	26/03/2026
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	-
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	-	< 0.2	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	< 0.05	-	< 0.05	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	-
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	-
2-Nitrophenol	mg/kg	0.3	NONE	-	< 0.3	-	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	0.1	-	0.2	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	-	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	< 0.1	-	< 0.1	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2	-	0.2	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	-
4-Nitroaniline	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	-
Azobenzene	mg/kg	0.3	NONE	-	< 0.3	-	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	-	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.30	-	< 0.30	-
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	< 0.2	-	< 0.2	-
Anthraquinone	mg/kg	0.3	NONE	-	< 0.3	-	< 0.3	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	< 0.3	-	< 0.3	-

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

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Analytical Report Number: 26-017206
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				878493	878494	878495
Sample Reference				TP601A	TP601A	TP601A
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				0.10-0.30	0.50-0.80	1.10-1.20
Date Sampled				31/03/2026	31/03/2026	26/03/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Mass of stone >10mm	%	0.1	NONE	-	43	64.8
Moisture Content	%	0.01	NONE	-	7.5	7
Total mass of sample received	kg	0.1	NONE	-	1.8	1.6
Whole Sample Crushed	N/A	N/A	NONE	-	-	Crushed
Asbestos						
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	WEM	-	-
Analysis completed	N/A	N/A	N/A	13/04/2026	-	-
General Inorganics						
pH (L099)	pH Units	N/A	MCERTS	-	-	9.4
Total Cyanide	mg/kg	1	MCERTS	-	-	< 1.0
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	1.1
Total Phenols						
Total Phenols (monohydric)	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	-	0.14	-
Phenanthrene	mg/kg	0.05	MCERTS	-	0.41	-
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	-	0.14	-
Pyrene	mg/kg	0.05	MCERTS	-	0.12	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	0.1	-
Chrysene	mg/kg	0.05	MCERTS	-	0.19	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	0.11	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	0.07	-
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	-	1.45	-

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Analytical Report Number: 26-017206
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				878493	878494	878495
Sample Reference				TP601A	TP601A	TP601A
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				0.10-0.30	0.50-0.80	1.10-1.20
Date Sampled				31/03/2026	31/03/2026	26/03/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
Heavy Metals / Metalloids						
Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	-	-	< 1.0
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	5.8
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	2.7
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	2.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	1.5
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	10
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	54
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	18
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	3
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	21
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	59
Petroleum Hydrocarbons						
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	-	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	-	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC44 $_{EH_CU_1D_AL}$	mg/kg	8.4	NONE	-	< 8.4	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC44 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	< 10	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	-	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	-	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	< 10	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	< 10	-
TPHCWG - Aromatic >EC35 - EC44 $_{EH_CU_1D_AR}$	mg/kg	8.4	NONE	-	< 8.4	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	< 10	-
TPHCWG - Aromatic >EC5 - EC44 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	< 10	-
VOCs						
Chloromethane	µg/kg	5	MCERTS	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-

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Analytical Report Number: 26-017206
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				878493	878494	878495
Sample Reference				TP601A	TP601A	TP601A
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				0.10-0.30	0.50-0.80	1.10-1.20
Date Sampled				31/03/2026	31/03/2026	26/03/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	< 5.0	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-
Benzene	µg/kg	5	MCERTS	-	< 5.0	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-
Toluene	µg/kg	5	MCERTS	-	< 5.0	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	-	< 8.0	-
Styrene	µg/kg	5	MCERTS	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-
o-Xylene	µg/kg	5	MCERTS	-	< 5.0	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-

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Analytical Report Number: 26-017206
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				878493	878494	878495
Sample Reference				TP601A	TP601A	TP601A
Sample Number				None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A
Depth (m)				0.10-0.30	0.50-0.80	1.10-1.20
Date Sampled				31/03/2026	31/03/2026	26/03/2026
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status			
SVOCs						
Aniline	mg/kg	0.1	NONE	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-

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

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

Analytical Report Number: 26-017206
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number	878493
Sample Reference	TP601A
Sample Number	None Supplied
Water Matrix	N/A
Depth (m)	0.10-0.30
Date Sampled	31/03/2026
Time Taken	None Supplied

Analytical Parameter (Leachate Analysis)	Units	Test Limit of detection	Test Accreditation Status	
General Inorganics				
pH (automated)	pH Units	N/A	ISO 17025	7.3
Total Cyanide	µg/l	10	ISO 17025	< 10
Chloride	mg/l	0.15	ISO 17025	1.5
Ammoniacal Nitrogen as N	µg/l	15	NONE	< 15
Total Phenols				
Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10
Speciated PAHs				
Naphthalene	µg/l	0.01	NONE	< 0.01
Acenaphthylene	µg/l	0.01	NONE	< 0.01
Acenaphthene	µg/l	0.01	NONE	0.02
Fluorene	µg/l	0.01	NONE	0.02
Phenanthrene	µg/l	0.01	NONE	< 0.01
Anthracene	µg/l	0.01	NONE	< 0.01
Fluoranthene	µg/l	0.01	NONE	< 0.01
Pyrene	µg/l	0.01	NONE	< 0.01
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01
Chrysene	µg/l	0.01	NONE	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01
Total PAH				
Total EPA-16 PAHs	µg/l	0.16	NONE	< 0.16
Heavy Metals / Metalloids				
Antimony (dissolved)	µg/l	1.7	ISO 17025	1.7
Arsenic (dissolved)	µg/l	1	ISO 17025	< 1.0
Beryllium (dissolved)	µg/l	0.2	ISO 17025	< 0.2
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0
Chromium (dissolved)	µg/l	0.4	ISO 17025	< 0.4
Copper (dissolved)	µg/l	0.7	ISO 17025	< 0.7
Lead (dissolved)	µg/l	1	ISO 17025	3.2
Manganese (dissolved)	µg/l	0.06	ISO 17025	5.7
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5
Nickel (dissolved)	µg/l	0.3	ISO 17025	0.4
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0
Vanadium (dissolved)	µg/l	1.7	ISO 17025	< 1.7
Zinc (dissolved)	µg/l	0.4	ISO 17025	2.6
Calcium (dissolved)	mg/l	0.012	ISO 17025	8.1

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Analytical Report Number: 26-017206
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number				878493
Sample Reference				TP601A
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.10-0.30
Date Sampled				31/03/2026
Time Taken				None Supplied
Analytical Parameter (Leachate Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Petroleum Hydrocarbons				
TPH - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC10 - EC12 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC12 - EC16 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC16 - EC21 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC21 - EC35 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC5 - EC35 $_{HS+EH_1D_AL_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC8 - EC10 $_{EH_1D_AR_MS}$	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC10 - EC12 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC12 - EC16 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC16 - EC21 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC21 - EC35 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC6 - EC35 $_{HS+EH_1D_AR_MS}$	µg/l	10	NONE	< 10
VOCs				
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	NONE	< 3.0
Benzene	µg/l	1	NONE	< 1.0
Toluene	µg/l	1	NONE	< 1.0
Ethylbenzene	µg/l	1	NONE	< 1.0
p & m-xylene	µg/l	1	NONE	< 1.0
o-xylene	µg/l	1	NONE	< 1.0

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

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Analytical Report Number : 26-017206
Project / Site name: Goat Mill Road

* 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 *
878488	TP615	None Supplied	0.10-0.30	Grey clay and sand with gravel and stones
878489	TP615	None Supplied	0.30-0.70	Grey clay and sand with gravel and stones
878490	TP615	None Supplied	1.30-2.00	Grey clay and sand with gravel and stones
878491	TP613	None Supplied	0.10-0.30	Brown clay and loam with gravel and stones
878492	TP613	None Supplied	0.70-1.00	Brown loam and sand with gravel and stones
878494	TP601A	None Supplied	0.50-0.80	Brown clay and sand with gravel and stones
878495	TP601A	None Supplied	1.10-1.20	Brown clay and sand with gravel and stones

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Analytical Report Number : 26-017206
Project / Site name: Goat Mill Road

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI 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 (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	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.	L019B	D	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE
Whole Sample Crushed	Either: Client specific preparation instructions - sample(s) crushed whole prior to analysis OR Sample unsuitable for standard preparation and therefore crushed whole prior to analysis	In house method, applicable to dry samples only	L019B	D	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
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	L038B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
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
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
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	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID in soil	Determination of total petroleum hydrocarbons in soil by GC-FID with carbon banding aliphatic and aromatic	In-house method	L076B	D	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil (Summed Bands)	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L076B/L088-PL	D/W	NONE
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in soil	Determination of total petroleum hydrocarbons in soil by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	MCERTS

Analytical Report Number : 26-017206
Project / Site name: Goat Mill Road

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
One stage WAC 10:1 leachate preparation	One stage batch test at a liquid to solid ratio of 10 L/kg	BS EN 12457-2-2002	L043B	W	ISO 17025
Total petroleum hydrocarbons with carbon banding by GC-MS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS with carbon banding aliphatic and aromatic	In-house method	L070B	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate (Summed Bands)	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L070B/L088-PL	W	NONE
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	ISO 17025
Monohydric phenols in leachate	Determination of phenols in leachate by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Total cyanide in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Chloride in leachate	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in leachate	Determination of total petroleum hydrocarbons in leachate by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	NONE
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE

Analytical Report Number : 26-017206
Project / Site name: Goat Mill Road

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Ammoniacal Nitrogen as N in leachate	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the discrete analyser (colorimetric) salicylate/nitroprusside method.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	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 - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Analytical Report Number : 26-017206
Project / Site name: Goat Mill Road

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/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP601A	N/A	L	878493	b	One stage WAC 10:1 leachate preparation	L043B	b

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Tetra Tech.
10 St Andrews Crescent
Cardiff
Wales
CF10 3DD

t: 029 20231141

e: james.craddock@tetratech.com; Nicholas.bool@tetratech.com

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-017785

Project / Site name:	Goat Mill Road	**Samples received on:**	08/04/2026
Your job number:	B077402	**Samples instructed on/ Analysis started on:**	08/04/2026
Your order number:	7023391	**Analysis completed by:**	16/04/2026
Report Issue Number:	1	**Report issued on:**	16/04/2026
Samples Analysed:	1 soil sample		

Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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: 26-017785
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				881233
Sample Reference				TP801
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.10-0.30
Date Sampled				30/03/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Mass of stone >10mm	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	15
Total mass of sample received	kg	0.1	NONE	1.3

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	SSZ
Analysis completed	N/A	N/A	N/A	16/04/2026

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	9
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.6

Total Phenols

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

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.22
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.1
Phenanthrene	mg/kg	0.05	MCERTS	0.47
Anthracene	mg/kg	0.05	MCERTS	0.06
Fluoranthene	mg/kg	0.05	MCERTS	0.23
Pyrene	mg/kg	0.05	MCERTS	0.17
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.15
Chrysene	mg/kg	0.05	MCERTS	0.3
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.23
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.08
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.11
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.09
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.1

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	2.3

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Analytical Report Number: 26-017785
Project / Site name: Goat Mill Road
Your Order No: 7023391

Lab Sample Number				881233
Sample Reference				TP801
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				0.10-0.30
Date Sampled				30/03/2026
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Heavy Metals / Metalloids				
Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	2.4
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.5
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	2.7
Boron (water soluble)	mg/kg	0.2	MCERTS	0.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	10
Copper (aqua regia extractable)	mg/kg	1	MCERTS	41
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	36
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	4.1
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	20
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	170

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

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Analytical Report Number : 26-017785
Project / Site name: Goat Mill Road

* 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 *
881233	TP801	None Supplied	0.10-0.30	Brown loam and sand with gravel and vegetation

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

Analytical Report Number : 26-017785
Project / Site name: Goat Mill Road

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content (Wet Weight)	Moisture content (% wet weight), determined gravimetrically (up to 30°C)	In-house-procedure based on BS EN 12880:2000	L019B	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.	L019B	D	NONE
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	L038B	D	MCERTS
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	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
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
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
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	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	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.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 26-017785
Project / Site name: Goat Mill Road

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/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP801	None Supplied	S	881233	c	Monohydric phenols in soil	L080-PL	c
TP801	None Supplied	S	881233	c	Speciated PAHs and/or Semi-volatile organic compounds in soil	L064B	c
TP801	None Supplied	S	881233	c	Total cyanide in soil	L080-PL	c

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Tetra Tech.
10 St Andrews Crescent
Cardiff
Wales
CF10 3DD

t: 029 20231141

e: james.craddock@tetratech.com; Nicholas.bool@tetratech.com

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-018935

Project / Site name:	Goat Mill Road	**Samples received on:**	10/04/2026
Your job number:	B077402	**Samples instructed on/ Analysis started on:**	13/04/2026
Your order number:		**Analysis completed by:**	21/04/2026
Report Issue Number:	1	**Report issued on:**	21/04/2026
Samples Analysed:	1 soil sample - 1 leachate sample		

Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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

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

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Analytical Report Number: 26-018935
Project / Site name: Goat Mill Road

Lab Sample Number				886732
Sample Reference				BH401
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				2.30
Date Sampled				Deviating
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Asbestos				
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	KKR
Analysis completed	N/A	N/A	N/A	20/04/2026

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

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Analytical Report Number: 26-018935
Project / Site name: Goat Mill Road

Lab Sample Number				886732
Sample Reference				BH401
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				2.30
Date Sampled				Deviating
Time Taken				None Supplied
Analytical Parameter (Leachate Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
General Inorganics				
pH (automated)	pH Units	N/A	ISO 17025	8.6
Total Cyanide	µg/l	10	ISO 17025	< 10
Chloride	mg/l	0.15	ISO 17025	1.9
Ammoniacal Nitrogen as N	µg/l	15	NONE	< 15
Total Phenols				
Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10
Speciated PAHs				
Naphthalene	µg/l	0.01	NONE	< 0.01
Acenaphthylene	µg/l	0.01	NONE	< 0.01
Acenaphthene	µg/l	0.01	NONE	0.04
Fluorene	µg/l	0.01	NONE	0.02
Phenanthrene	µg/l	0.01	NONE	0.03
Anthracene	µg/l	0.01	NONE	< 0.01
Fluoranthene	µg/l	0.01	NONE	< 0.01
Pyrene	µg/l	0.01	NONE	< 0.01
Benzo(a)anthracene	µg/l	0.01	NONE	< 0.01
Chrysene	µg/l	0.01	NONE	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	NONE	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	NONE	< 0.01
Benzo(a)pyrene	µg/l	0.01	NONE	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01
Total PAH				
Total EPA-16 PAHs	µg/l	0.16	NONE	< 0.16
Heavy Metals / Metalloids				
Antimony (dissolved)	µg/l	1.7	ISO 17025	< 1.7
Arsenic (dissolved)	µg/l	1	ISO 17025	1.9
Beryllium (dissolved)	µg/l	0.2	ISO 17025	< 0.2
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0
Chromium (dissolved)	µg/l	0.4	ISO 17025	1.4
Copper (dissolved)	µg/l	0.7	ISO 17025	2.9
Lead (dissolved)	µg/l	1	ISO 17025	< 1.0
Manganese (dissolved)	µg/l	0.06	ISO 17025	3.9
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5
Nickel (dissolved)	µg/l	0.3	ISO 17025	1
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0
Vanadium (dissolved)	µg/l	1.7	ISO 17025	12
Zinc (dissolved)	µg/l	0.4	ISO 17025	< 0.4
Calcium (dissolved)	mg/l	0.012	ISO 17025	3.2

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Analytical Report Number: 26-018935
Project / Site name: Goat Mill Road

Lab Sample Number				886732
Sample Reference				BH401
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				2.30
Date Sampled				Deviating
Time Taken				None Supplied
Analytical Parameter (Leachate Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Petroleum Hydrocarbons				
TPH - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	µg/l	1	NONE	< 1.0
TPH - Aliphatic >EC10 - EC12 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC12 - EC16 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC16 - EC21 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC21 - EC35 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10
TPH - Aliphatic >EC5 - EC35 $_{HS+EH_1D_AL_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC8 - EC10 $_{EH_1D_AR_MS}$	µg/l	1	NONE	< 1.0
TPH - Aromatic >EC10 - EC12 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC12 - EC16 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC16 - EC21 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC21 - EC35 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10
TPH - Aromatic >EC6 - EC35 $_{HS+EH_1D_AR_MS}$	µg/l	10	NONE	< 10
VOCs				
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	NONE	< 3.0
Benzene	µg/l	1	NONE	< 1.0
Toluene	µg/l	1	NONE	< 1.0
Ethylbenzene	µg/l	1	NONE	< 1.0
p & m-xylene	µg/l	1	NONE	< 1.0
o-xylene	µg/l	1	NONE	< 1.0

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

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Analytical Report Number : 26-018935
Project / Site name: Goat Mill Road

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
One stage WAC 10:1 leachate preparation	One stage batch test at a liquid to solid ratio of 10 L/kg	BS EN 12457-2-2002	L043B	W	ISO 17025
Total petroleum hydrocarbons with carbon banding by GC-MS in leachate	Determination of total petroleum hydrocarbons in leachate by GC-MS with carbon banding aliphatic and aromatic	In-house method	L070B	W	NONE
Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate (Summed Bands)	Determination of total petroleum hydrocarbons in leachate by GC-MS/GC-MS HS with carbon banding aliphatic and aromatic (Summed Bands).	Calculation	L070B/L088-PL	W	NONE
BTEX and/or Volatile organic compounds in leachate	Determination of volatile organic compounds in leachate by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	NONE
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	ISO 17025
Monohydric phenols in leachate	Determination of phenols in leachate by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Total cyanide in leachate	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Chloride in leachate	Determination of Chloride colorimetrically by discrete analyser	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025
Total petroleum hydrocarbons with carbon banding by HS-GC/MS in leachate	Determination of total petroleum hydrocarbons in leachate by HS-GC/MS with carbon banding aliphatic and aromatic	In-house method	L088-PL	W	NONE
pH at 20°C in leachate (automated)	Determination of pH in leachate by electrometric measurement	In-house method	L099-PL	W	ISO 17025
Speciated PAHs and/or Semi-volatile organic compounds in leachate	SVOCs and PAHs in leachate	In-house method	L102B		NONE

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Analytical Report Number : 26-018935
Project / Site name: Goat Mill Road

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Ammoniacal Nitrogen as N in leachate	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the discrete analyser (colorimetric) salicylate/nitroprusside method.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	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 - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Analytical Report Number : 26-018935
Project / Site name: Goat Mill Road

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/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH401	None Supplied	L	886732	ab	Ammoniacal Nitrogen as N in leachate	L082B	a
BH401	None Supplied	L	886732	ab	BTEX and/or Volatile organic compounds in leachate	L073B	a
BH401	None Supplied	L	886732	ab	Chloride in leachate	L082B	a
BH401	None Supplied	L	886732	ab	Hexavalent chromium in leachate	L080-PL	a
BH401	None Supplied	L	886732	ab	Metals by ICP-OES in leachate	L039B	a
BH401	None Supplied	L	886732	ab	Monohydric phenols in leachate	L080-PL	a
BH401	None Supplied	L	886732	ab	One stage WAC 10:1 leachate preparation	L043B	ab
BH401	None Supplied	L	886732	ab	One stage WAC 10:1 leachate preparation	L043B	b
BH401	None Supplied	L	886732	ab	Speciated PAHs and/or Semi-volatile organic compounds in leachate	L102B	a
BH401	None Supplied	L	886732	ab	Total cyanide in leachate	L080-PL	a
BH401	None Supplied	L	886732	ab	Total petroleum hydrocarbons with carbon banding by GC-MS in leachate	L070B	a
BH401	None Supplied	L	886732	ab	Total petroleum hydrocarbons with carbon banding by GC-MS/GC-MS HS in leachate (Summed Bands)	L070B/L088-PL	a
BH401	None Supplied	L	886732	ab	Total petroleum hydrocarbons with carbon banding by HS-GC/MS in leachate	L088-PL	a
BH401	None Supplied	L	886732	ab	WAC Leachate 10:1	L043B	a
BH401	None Supplied	L	886732	ab	pH at 20°C in leachate (automated)	L099-PL	a
BH401	None Supplied	S	886732	ab	Asbestos identification in Soil	A001B	a

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4041

Tetra Tech.
Hodge House
114-116 St Mary Street
Cardiff
CF10 1DY

t: 0207 2507500

e: james.craddock@tetratech.com; Nicholas.bool@tetratech.com

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-026641

Project / Site name:	Goat Mill Road	**Samples received on:**	20/05/2026
Your job number:	B077402	**Samples instructed on/ Analysis started on:**	20/05/2026
Your order number:	7023391	**Analysis completed by:**	02/06/2026
Report Issue Number:	1	**Report issued on:**	02/06/2026
Samples Analysed:	2 water samples		

Signed:

Matthew O'Connell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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: 26-026641
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number				924043	924044
Sample Reference				SW1	SW2
Sample Number				None Supplied	None Supplied
Water Matrix				Surface water	Surface water
Depth (m)				None Supplied	None Supplied
Date Sampled				18/05/2026	18/05/2026
Time Taken				0830	0835
Analytical Parameter (Water Analysis)	Units	Test Limit of detection	Test Accreditation Status		
General Inorganics					
pH (L099)	pH Units	N/A	ISO 17025	7.8	7.7
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10
Sulphate as SO_4	mg/l	0.045	ISO 17025	87.3	37.5
Sulphide	µg/l	5	NONE	< 5.0	< 5.0
Chloride	mg/l	0.15	ISO 17025	38	31
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	35	120
Ammoniacal Nitrogen as NH_3	µg/l	15	ISO 17025	43	140
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	5	6.22
Nitrate as N	mg/l	0.01	ISO 17025	< 0.01	0.13
Nitrite as N	µg/l	1	ISO 17025	3.8	13
Alkalinity as $CaCO_3$ (titration)	mgCaCO3/l	3	NONE	160	110
Alkalinity as $CaCO_3$	mgCaCO3/l	3	ISO 17025	170	120
Hardness - Total	mgCaCO3/l	1	ISO 17025	230	127
Total Phenols					
Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10	< 10
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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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 26-026641
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number				924043	924044
Sample Reference				SW1	SW2
Sample Number				None Supplied	None Supplied
Water Matrix				Surface water	Surface water
Depth (m)				None Supplied	None Supplied
Date Sampled				18/05/2026	18/05/2026
Time Taken				0830	0835
Analytical Parameter (Water Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Heavy Metals / Metalloids					
Antimony (dissolved)	µg/l	0.4	ISO 17025	0.5	0.6
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.4	0.56
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	2.9	1.3
Copper (dissolved)	µg/l	0.5	ISO 17025	7	6.9
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	0.85	1.1
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	6	5.2
Selenium (dissolved)	µg/l	0.6	ISO 17025	0.6	< 0.6
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.3	0.3
Zinc (dissolved)	µg/l	0.5	ISO 17025	4.7	4.6
Calcium (dissolved)	mg/l	0.012	ISO 17025	77	43
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0
Iron (dissolved)	µg/l	4	ISO 17025	19	28
Iron (Fe^{2+}) (dissolved)	mg/l	0.2	NONE	< 0.20	< 0.20
Iron (Fe^{3+}) (dissolved)	mg/l	0.2	NONE	< 0.20	< 0.20
Magnesium (dissolved)	mg/l	0.005	ISO 17025	9.5	5.1
Potassium (dissolved)	mg/l	0.025	ISO 17025	7.4	4.3
Sodium (dissolved)	mg/l	0.01	ISO 17025	30	28
Petroleum Hydrocarbons					
TPH - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aliphatic >EC10 - EC12 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC12 - EC16 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC16 - EC21 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC21 - EC35 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC5 - EC35 $_{HS+EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC35 - EC40 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC35 - EC44 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC40 - EC44 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC5 - EC44 $_{HS+EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10

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Analytical Report Number: 26-026641
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number				924043	924044
Sample Reference				SW1	SW2
Sample Number				None Supplied	None Supplied
Water Matrix				Surface water	Surface water
Depth (m)				None Supplied	None Supplied
Date Sampled				18/05/2026	18/05/2026
Time Taken				0830	0835
Analytical Parameter (Water Analysis)	Units	Test Limit of detection	Test Accreditation Status		
TPH - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aromatic >EC10 - EC12 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC12 - EC16 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC16 - EC21 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC21 - EC35 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC5 - EC35 $_{HS+EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC35 - EC40 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC35 - EC44 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC40 - EC44 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC5 - EC44 $_{HS+EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10

VOCs

MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0

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

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Analytical Report Number : 26-026641
Project / Site name: Goat Mill Road

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI 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, PW, GW, 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	L012B	W	ISO 17025
Alkalinity in water (by titration)	Determination of alkalinity by titration	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L025-PL	W	NONE
Sulphide in water	Determination of sulphide in water by ion selective electrode	In-house method	L029-PL	W	NONE
Dissolved Organic Carbon in water	Determination of dissolved organic carbon in water by TOC/DOC NDIR Analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	ISO 17025
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited matrices: SW, PW, GW, FSE, LL; PrW, DI PrW (Al, Cu, Fe,Zn)	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Total Hardness of water	Determination of total hardness of water by calculation from calcium and magnesium. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045B	W	ISO 17025
Total Petroleum Hydrocarbons with carbon banding in water by GC-MS	Determination of total petroleum hydrocarbons in water by GC-MS with carbon banding aliphatic and aromatic	In-house method	L070B	W	NONE
Total Petroleum Hydrocarbons with carbon banding in water by GC-MS/HS-GC-MS	Determination of total petroleum hydrocarbons in water by GC-MS/HS-GC-MS with carbon banding aliphatic and aromatic (Summed Bands)	Calculation	L070B/L088-PL	W	NONE
BTEX and/or 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 USEPA 8260	L073B	W	ISO 17025
Nitrate as N in water	Determination of nitrate by reaction with sodium salicylate followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08	L078-PL	W	ISO 17025
Iron(II) and Iron(III) in water	Determination of iron(II) and iron(III) in water by colorimetric method with phenanthroline and calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L079-PL	W	NONE
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5-diphenylcarbazide, followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method by continuous flow analyser	L080-PL	W	ISO 17025
Monohydric phenols in water	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Total cyanide in water	Determination of total cyanide in water by distillation followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Alkalinity of water (discrete analyser)	Determination of alkalinity of water by colorimetry using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on MEWAM & USEPA Method 310.2	L082B	W	ISO 17025
Chloride in water	Determination of chloride in water by colorimetry using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025

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Analytical Report Number : 26-026641
Project / Site name: Goat Mill Road

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Ammonia as NH3 in water	Determination of ammonium/ammonia/ammoniacal nitrogen by the colorimetric salicylate/nitroprusside method using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	ISO 17025
Nitrite as N in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by colorimetry using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	ISO 17025
Total Petroleum Hydrocarbons in water by HS-GC/MS	Determination of total petroleum hydrocarbons in water by headspace HS-GC/MS . Accredited matrices: SW, PW, GW	In-house method	L088-PL	W	ISO 17025
pH of water at 20°C (automated)	Determination of pH of water by electrochemical measurement. Accredited matrices: SW, PW, GW, FSE, LL	In-house method	L099-PL	W	ISO 17025
Speciated PAHs and/or Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds (including PAHs) in water by extraction in dichloromethane followed by GC-MS. Accredited matrices (PAHs): SW, PW, GW	In-house method based on USEPA 8270	L102B	W	ISO 17025
Ammoniacal Nitrogen as N in water	Determination of ammonium/ammonia/ammoniacal nitrogen by the colorimetric salicylate/nitroprusside method using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	ISO 17025
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited matrices: SW, PW, GW, PrW, DI PrW, FSE, LL	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	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 - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Tetra Tech.
100 St Johns Street
London
EC1M 4EH

t: 0207 2507500

e: nicholas.bool@tetratech.com; james.craddock@tetratech.com

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

t: 01923 225404
f: 01923 237404
e: info-i2analytical@normecgroup.com

Analytical Report Number : 26-033181

Project / Site name:	Goat Mill Road	**Samples received on:**	22/06/2026
Your job number:	B077402	**Samples instructed on/ Analysis started on:**	22/06/2026
Your order number:	7023391	**Analysis completed by:**	03/07/2026
Report Issue Number:	1	**Report issued on:**	03/07/2026
Samples Analysed:	4 water samples		

Signed:

Matthew O'Connell
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

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: 26-033181
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number				957366	957367
Sample Reference				SW1	SW2
Sample Number				None Supplied	None Supplied
Water Matrix				Surface water	Surface water
Depth (m)				None Supplied	None Supplied
Date Sampled				10/06/2026	10/06/2026
Time Taken				1500	1500
Analytical Parameter (Water Analysis)	Units	Test Limit of detection	Test Accreditation Status		
General Inorganics					
pH (L099)	pH Units	N/A	ISO 17025	7.9	8.2
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10
Sulphate as SO_4	mg/l	0.045	ISO 17025	63.2	76.4
Sulphide	µg/l	5	NONE	27	9.8
Chloride	mg/l	0.15	ISO 17025	17	17
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	54	110
Ammoniacal Nitrogen as NH_3	µg/l	15	ISO 17025	66	130
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	4.86	4.64
Nitrate as N	mg/l	0.01	ISO 17025	< 0.01	0.01
Nitrite as N	µg/l	1	ISO 17025	13	80
Alkalinity as $CaCO_3$	mgCaCO3/l	3	ISO 17025	100	130
Hardness - Total	mgCaCO3/l	1	ISO 17025	156	188
Total Phenols					
Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10	< 10
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	0.02
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	0.07
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	0.01	0.09
Pyrene	µg/l	0.01	ISO 17025	0.01	0.07
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	0.06
Chrysene	µg/l	0.01	ISO 17025	< 0.01	0.08
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	0.4

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Analytical Report Number: 26-033181
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number				957366	957367
Sample Reference				SW1	SW2
Sample Number				None Supplied	None Supplied
Water Matrix				Surface water	Surface water
Depth (m)				None Supplied	None Supplied
Date Sampled				10/06/2026	10/06/2026
Time Taken				1500	1500
Analytical Parameter (Water Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Heavy Metals / Metalloids					
Antimony (dissolved)	µg/l	0.4	ISO 17025	0.9	0.8
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.5	0.51
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.02	0.03
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.8	0.6
Copper (dissolved)	µg/l	0.5	ISO 17025	6.3	5.3
Lead (dissolved)	µg/l	0.2	ISO 17025	0.7	0.9
Manganese (dissolved)	µg/l	0.05	ISO 17025	0.72	7.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	2.8	3.2
Selenium (dissolved)	µg/l	0.6	ISO 17025	0.7	0.7
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.3	0.4
Zinc (dissolved)	µg/l	0.5	ISO 17025	8.1	9.9
Calcium (dissolved)	mg/l	0.012	ISO 17025	53	64
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0
Iron (dissolved)	µg/l	4	ISO 17025	4.1	< 4.0
Iron (Fe^{2+}) (dissolved)	mg/l	0.2	NONE	< 0.20	< 0.20
Iron (Fe^{3+}) (dissolved)	mg/l	0.2	NONE	< 0.20	< 0.20
Magnesium (dissolved)	mg/l	0.005	ISO 17025	5.9	7.1
Potassium (dissolved)	mg/l	0.025	ISO 17025	4.7	5.7
Sodium (dissolved)	mg/l	0.01	ISO 17025	21	21
Petroleum Hydrocarbons					
TPH - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aliphatic >EC10 - EC12 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC12 - EC16 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC16 - EC21 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC21 - EC35 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC5 - EC35 $_{HS+EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC35 - EC40 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC35 - EC44 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC40 - EC44 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC5 - EC44 $_{HS+EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10

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Analytical Report Number: 26-033181
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number				957366	957367
Sample Reference				SW1	SW2
Sample Number				None Supplied	None Supplied
Water Matrix				Surface water	Surface water
Depth (m)				None Supplied	None Supplied
Date Sampled				10/06/2026	10/06/2026
Time Taken				1500	1500
Analytical Parameter (Water Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
TPH - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aromatic >EC10 - EC12 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC12 - EC16 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC16 - EC21 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC21 - EC35 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC5 - EC35 $_{HS+EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC35 - EC40 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC35 - EC44 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC40 - EC44 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC5 - EC44 $_{HS+EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
VOCs					
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0

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

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Analytical Report Number: 26-033181
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number				957368	957369
Sample Reference				BH302	BH306
Sample Number				None Supplied	None Supplied
Water Matrix				Ground water	Ground water
Depth (m)				4.00	1.40
Date Sampled				10/06/2026	10/06/2026
Time Taken				1600	1630
Analytical Parameter (Water Analysis)	Units	Test Limit of detection	Test Accreditation Status		
General Inorganics					
pH (L099)	pH Units	N/A	ISO 17025	8.3	8.1
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10
Sulphate as SO_4	mg/l	0.045	ISO 17025	64.4	202
Sulphide	µg/l	5	NONE	< 5.0	< 5.0
Chloride	mg/l	0.15	ISO 17025	13	11
Ammoniacal Nitrogen as N	µg/l	15	ISO 17025	59	23
Ammoniacal Nitrogen as NH_3	µg/l	15	ISO 17025	71	27
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	3.52	3.45
Nitrate as N	mg/l	0.01	ISO 17025	0.64	0.39
Nitrite as N	µg/l	1	ISO 17025	7.6	2.5
Alkalinity as $CaCO_3$	mgCaCO3/l	3	ISO 17025	200	130
Hardness - Total	mgCaCO3/l	1	ISO 17025	232	348
Total Phenols					
Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10	< 10
Speciated PAHs					
Naphthalene	µg/l	0.01	ISO 17025	0.19	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	0.02	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	0.07	< 0.01
Fluorene	µg/l	0.01	ISO 17025	0.09	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	0.48	0.07
Anthracene	µg/l	0.01	ISO 17025	0.22	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	0.8	0.04
Pyrene	µg/l	0.01	ISO 17025	0.65	0.04
Benzo(a)anthracene	µg/l	0.01	ISO 17025	0.55	0.03
Chrysene	µg/l	0.01	ISO 17025	0.68	0.03
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	0.62	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	0.28	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	0.45	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	0.24	< 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	0.29	< 0.01
Total PAH					
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	5.62	0.22

Analytical Report Number: 26-033181
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number				957368	957369
Sample Reference				BH302	BH306
Sample Number				None Supplied	None Supplied
Water Matrix				Ground water	Ground water
Depth (m)				4.00	1.40
Date Sampled				10/06/2026	10/06/2026
Time Taken				1600	1630
Analytical Parameter (Water Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Heavy Metals / Metalloids					
Antimony (dissolved)	µg/l	0.4	ISO 17025	0.5	0.6
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.81	0.21
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	0.7	0.8
Copper (dissolved)	µg/l	0.5	ISO 17025	4.3	3.6
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	1.3	0.43
Mercury (dissolved)	µg/l	0.05	NONE	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.3	1.8
Selenium (dissolved)	µg/l	0.6	ISO 17025	1.5	7
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.7	< 0.2
Zinc (dissolved)	µg/l	0.5	ISO 17025	3.9	6.5
Calcium (dissolved)	mg/l	0.012	ISO 17025	77	110
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0
Iron (dissolved)	µg/l	4	ISO 17025	12	< 4.0
Iron (Fe^{2+}) (dissolved)	mg/l	0.2	NONE	< 0.20	< 0.20
Iron (Fe^{3+}) (dissolved)	mg/l	0.2	NONE	< 0.20	< 0.20
Magnesium (dissolved)	mg/l	0.005	ISO 17025	9.7	18
Potassium (dissolved)	mg/l	0.025	ISO 17025	7.9	7.6
Sodium (dissolved)	mg/l	0.01	ISO 17025	23	15
Petroleum Hydrocarbons					
TPH - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aliphatic >EC10 - EC12 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC12 - EC16 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	20
TPH - Aliphatic >EC16 - EC21 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	26
TPH - Aliphatic >EC21 - EC35 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	60
TPH - Aliphatic >EC5 - EC35 $_{HS+EH_1D_AL_MS}$	µg/l	10	NONE	< 10	110
TPH - Aliphatic >EC35 - EC40 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC35 - EC44 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC40 - EC44 $_{EH_1D_AL_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aliphatic >EC5 - EC44 $_{HS+EH_1D_AL_MS}$	µg/l	10	NONE	< 10	110

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Analytical Report Number: 26-033181
Project / Site name: Goat Mill Road

Your Order No: 7023391

Lab Sample Number				957368	957369
Sample Reference				BH302	BH306
Sample Number				None Supplied	None Supplied
Water Matrix				Ground water	Ground water
Depth (m)				4.00	1.40
Date Sampled				10/06/2026	10/06/2026
Time Taken				1600	1630
Analytical Parameter (Water Analysis)	Units	Test Limit of detection	Test Accreditation Status		
TPH - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH - Aromatic >EC10 - EC12 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	10
TPH - Aromatic >EC12 - EC16 $_{EH_1D_AR_MS}$	µg/l	10	NONE	11	20
TPH - Aromatic >EC16 - EC21 $_{EH_1D_AR_MS}$	µg/l	10	NONE	18	15
TPH - Aromatic >EC21 - EC35 $_{EH_1D_AR_MS}$	µg/l	10	NONE	60	22
TPH - Aromatic >EC5 - EC35 $_{HS+EH_1D_AR_MS}$	µg/l	10	NONE	89	67
TPH - Aromatic >EC35 - EC40 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC35 - EC44 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC40 - EC44 $_{EH_1D_AR_MS}$	µg/l	10	NONE	< 10	< 10
TPH - Aromatic >EC5 - EC44 $_{HS+EH_1D_AR_MS}$	µg/l	10	NONE	89	67
VOCs					
MTBE (Methyl Tertiary Butyl Ether)	µg/l	3	ISO 17025	< 3.0	< 3.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0

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

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Analytical Report Number : 26-033181
Project / Site name: Goat Mill Road

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI 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, PW, GW, 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	L012B	W	ISO 17025
Sulphide in water	Determination of sulphide in water by ion selective electrode	In-house method	L029-PL	W	NONE
Dissolved Organic Carbon in water	Determination of dissolved organic carbon in water by TOC/DOC NDIR Analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037B	W	ISO 17025
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited matrices: SW, PW, GW, FSE, LL; PrW, DI PrW (Al, Cu, Fe,Zn)	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	W	ISO 17025
Total Hardness of water	Determination of total hardness of water by calculation from calcium and magnesium. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045B	W	ISO 17025
Total Petroleum Hydrocarbons with carbon banding in water by GC-MS	Determination of total petroleum hydrocarbons in water by GC-MS with carbon banding aliphatic and aromatic	In-house method	L070B	W	NONE
Total Petroleum Hydrocarbons with carbon banding in water by GC-MS/HS-GC-MS	Determination of total petroleum hydrocarbons in water by GC-MS/HS-GC-MS with carbon banding aliphatic and aromatic (Summed Bands)	Calculation	L070B/L088-PL	W	NONE
BTEX and/or 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 USEPA 8260	L073B	W	ISO 17025
Nitrate as N in water	Determination of nitrate by reaction with sodium salicylate followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08	L078-PL	W	ISO 17025
Iron(II) and Iron(III) in water	Determination of iron(II) and iron(III) in water by colorimetric method with phenanthroline and calculation	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L079-PL	W	NONE
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5-diphenylcarbazide, followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method by continuous flow analyser	L080-PL	W	ISO 17025
Monohydric phenols in water	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Total cyanide in water	Determination of total cyanide in water by distillation followed by colorimetry. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Alkalinity of water (discrete analyser)	Determination of alkalinity of water by colorimetry using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on MEWAM & USEPA Method 310.2	L082B	W	ISO 17025
Chloride in water	Determination of chloride in water by colorimetry using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house based on MEWAM Method ISBN 0117516260	L082B	W	ISO 17025
Ammonia as NH3 in water	Determination of ammonium/ammonia/ammoniacal nitrogen by the colorimetric salicylate/nitroprusside method using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	ISO 17025

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Analytical Report Number : 26-033181
Project / Site name: Goat Mill Road

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

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Nitrite as N in water	Determination of nitrite in water by addition of sulphanilamide and NED followed by colorimetry using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	ISO 17025
Total Petroleum Hydrocarbons in water by HS-GC/MS	Determination of total petroleum hydrocarbons in water by headspace HS-GC/MS . Accredited matrices: SW, PW, GW	In-house method	L088-PL	W	ISO 17025
pH of water at 20°C (automated)	Determination of pH of water by electrochemical measurement. Accredited matrices: SW, PW, GW, FSE, LL	In-house method	L099-PL	W	ISO 17025
Speciated PAHs and/or Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds (including PAHs) in water by extraction in dichloromethane followed by GC-MS. Accredited matrices (PAHs): SW, PW, GW	In-house method based on USEPA 8270	L102B	W	ISO 17025
Ammoniacal Nitrogen as N in water	Determination of ammonium/ammonia/ammoniacal nitrogen by the colorimetric salicylate/nitroprusside method using discrete analyser. Accredited matrices: SW, PW, GW, FSE, LL	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	W	ISO 17025
Sulphate in water	Determination of sulphate in water after filtration by acidification followed by ICP-OES. Accredited matrices: SW, PW, GW, PrW, DI PrW, FSE, LL	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L039B	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 - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

Analytical Report Number : 26-033181
Project / Site name: Goat Mill Road

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/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH302	None Supplied	W	957368	c	Alkalinity of water (discrete analyser)	L082B	c
BH302	None Supplied	W	957368	c	Ammonia as NH3 in water	L082B	c
BH302	None Supplied	W	957368	c	Ammoniacal Nitrogen as N in water	L082B	c
BH302	None Supplied	W	957368	c	BTEX and/or Volatile Organic Compounds in water	L073B	c
BH302	None Supplied	W	957368	c	Dissolved Organic Carbon in water	L037B	c
BH302	None Supplied	W	957368	c	Hexavalent chromium in water	L080-PL	c
BH302	None Supplied	W	957368	c	Iron(II) and Iron(III) in water	L079-PL	c
BH302	None Supplied	W	957368	c	Metals in water by ICP-MS (dissolved)	L012B	c
BH302	None Supplied	W	957368	c	Metals in water by ICP-OES (dissolved)	L039B	c
BH302	None Supplied	W	957368	c	Monohydric phenols in water	L080-PL	c
BH302	None Supplied	W	957368	c	Nitrate as N in water	L078-PL	c
BH302	None Supplied	W	957368	c	Nitrite as N in water	L082B	c
BH302	None Supplied	W	957368	c	Speciated PAHs and/or Semi-volatile organic compounds in water	L102B	c
BH302	None Supplied	W	957368	c	Sulphide in water	L029-PL	c
BH302	None Supplied	W	957368	c	Total Hardness of water	L045B	c
BH302	None Supplied	W	957368	c	Total Petroleum Hydrocarbons in water by HS-GC/MS	L088-PL	c
BH302	None Supplied	W	957368	c	Total Petroleum Hydrocarbons with carbon banding in water by GC-MS	L070B	c
BH302	None Supplied	W	957368	c	Total cyanide in water	L080-PL	c
BH302	None Supplied	W	957368	c	pH of water at 20°C (automated)	L099-PL	c
BH306	None Supplied	W	957369	c	Alkalinity of water (discrete analyser)	L082B	c
BH306	None Supplied	W	957369	c	Ammonia as NH3 in water	L082B	c
BH306	None Supplied	W	957369	c	Ammoniacal Nitrogen as N in water	L082B	c
BH306	None Supplied	W	957369	c	BTEX and/or Volatile Organic Compounds in water	L073B	c
BH306	None Supplied	W	957369	c	Dissolved Organic Carbon in water	L037B	c
BH306	None Supplied	W	957369	c	Hexavalent chromium in water	L080-PL	c
BH306	None Supplied	W	957369	c	Iron(II) and Iron(III) in water	L079-PL	c
BH306	None Supplied	W	957369	c	Metals in water by ICP-MS (dissolved)	L012B	c
BH306	None Supplied	W	957369	c	Metals in water by ICP-OES (dissolved)	L039B	c
BH306	None Supplied	W	957369	c	Monohydric phenols in water	L080-PL	c
BH306	None Supplied	W	957369	c	Nitrate as N in water	L078-PL	c
BH306	None Supplied	W	957369	c	Nitrite as N in water	L082B	c
BH306	None Supplied	W	957369	c	Speciated PAHs and/or Semi-volatile organic compounds in water	L102B	c
BH306	None Supplied	W	957369	c	Sulphide in water	L029-PL	c
BH306	None Supplied	W	957369	c	Total Hardness of water	L045B	c
BH306	None Supplied	W	957369	c	Total Petroleum Hydrocarbons in water by HS-GC/MS	L088-PL	c
BH306	None Supplied	W	957369	c	Total Petroleum Hydrocarbons with carbon banding in water by GC-MS	L070B	c
BH306	None Supplied	W	957369	c	Total cyanide in water	L080-PL	c
BH306	None Supplied	W	957369	c	pH of water at 20°C (automated)	L099-PL	c
SW1	None Supplied	W	957366	c	Alkalinity of water (discrete analyser)	L082B	c
SW1	None Supplied	W	957366	c	Ammonia as NH3 in water	L082B	c
SW1	None Supplied	W	957366	c	Ammoniacal Nitrogen as N in water	L082B	c
SW1	None Supplied	W	957366	c	BTEX and/or Volatile Organic Compounds in water	L073B	c
SW1	None Supplied	W	957366	c	Dissolved Organic Carbon in water	L037B	c
SW1	None Supplied	W	957366	c	Hexavalent chromium in water	L080-PL	c
SW1	None Supplied	W	957366	c	Iron(II) and Iron(III) in water	L079-PL	c
SW1	None Supplied	W	957366	c	Metals in water by ICP-MS (dissolved)	L012B	c
SW1	None Supplied	W	957366	c	Metals in water by ICP-OES (dissolved)	L039B	c
SW1	None Supplied	W	957366	c	Monohydric phenols in water	L080-PL	c
SW1	None Supplied	W	957366	c	Nitrate as N in water	L078-PL	c
SW1	None Supplied	W	957366	c	Nitrite as N in water	L082B	c
SW1	None Supplied	W	957366	c	Speciated PAHs and/or Semi-volatile organic compounds in water	L102B	c
SW1	None Supplied	W	957366	c	Sulphide in water	L029-PL	c
SW1	None Supplied	W	957366	c	Total Hardness of water	L045B	c
SW1	None Supplied	W	957366	c	Total Petroleum Hydrocarbons in water by HS-GC/MS	L088-PL	c
SW1	None Supplied	W	957366	c	Total Petroleum Hydrocarbons with carbon banding in water by GC-MS	L070B	c
SW1	None Supplied	W	957366	c	Total cyanide in water	L080-PL	c

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Analytical Report Number : 26-033181
Project / Site name: Goat Mill Road

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/Insufficient material provided c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
SW1	None Supplied	W	957366	c	pH of water at 20°C (automated)	L099-PL	c
SW2	None Supplied	W	957367	c	Alkalinity of water (discrete analyser)	L082B	c
SW2	None Supplied	W	957367	c	Ammonia as NH3 in water	L082B	c
SW2	None Supplied	W	957367	c	Ammoniacal Nitrogen as N in water	L082B	c
SW2	None Supplied	W	957367	c	BTEX and/or Volatile Organic Compounds in water	L073B	c
SW2	None Supplied	W	957367	c	Dissolved Organic Carbon in water	L037B	c
SW2	None Supplied	W	957367	c	Hexavalent chromium in water	L080-PL	c
SW2	None Supplied	W	957367	c	Iron(II) and Iron(III) in water	L079-PL	c
SW2	None Supplied	W	957367	c	Metals in water by ICP-MS (dissolved)	L012B	c
SW2	None Supplied	W	957367	c	Metals in water by ICP-OES (dissolved)	L039B	c
SW2	None Supplied	W	957367	c	Monohydric phenols in water	L080-PL	c
SW2	None Supplied	W	957367	c	Nitrate as N in water	L078-PL	c
SW2	None Supplied	W	957367	c	Nitrite as N in water	L082B	c
SW2	None Supplied	W	957367	c	Speciated PAHs and/or Semi-volatile organic compounds in water	L102B	c
SW2	None Supplied	W	957367	c	Sulphide in water	L029-PL	c
SW2	None Supplied	W	957367	c	Total Hardness of water	L045B	c
SW2	None Supplied	W	957367	c	Total Petroleum Hydrocarbons in water by HS-GC/MS	L088-PL	c
SW2	None Supplied	W	957367	c	Total Petroleum Hydrocarbons with carbon banding in water by GC-MS	L070B	c
SW2	None Supplied	W	957367	c	Total cyanide in water	L080-PL	c
SW2	None Supplied	W	957367	c	pH of water at 20°C (automated)	L099-PL	c

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APPENDIX E: GROUNDWATER AND GROUND GAS MONITORING RESULTS

Tetra Tech

LANDGAS AND GROUNDWATER MONITORING RESULTS

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

TETRA TECH

Site Name: Goat Mill Road
Job No.: 784-B077402
Client: Merthyr Tydfil County Borough Council

Date Monitored: 14/05/26
Monitoring Engineer: SW
Weather: Rainy

EQUIPMENT USED

Type	Make	Serial	Last Calibrated
Gas Analyser	**Landtec GA5000**	**G501108**	**Feb-26**
Interface Meter	**Solinst**	**122-004988-1**	**n/a**
PID	**MiniRAE Lit**	**595-000885**	**Mar-26**

LANDGAS CONCENTRATIONS - INSTALLATION CONDITIONS

Exploratory Hole No	Peak		Steady									
	CH_4 (% vol)	CO_2 (% vol)	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	BAL (%)	PID (ppm)	H_2S (ppm)	HCN (ppm)	CO (ppm)	Time	Remarks
BH102	0.00	2.00	0.00	1.90	17.00	81.00	0.00	<1	nt	<1	09:54	
BH108 19mm	0.00	2.50	0.00	2.50	17.90	79.60	0.00	<1	nt	<1	10:41	
BH108 50mm	0.00	0.20	0.00	0.20	20.50	79.30	0.00	<1	nt	<1	10:31	
BH109 19mm	0.00	0.20	0.00	0.20	20.70	79.10	0.00	1.00	nt	<1	11:19	
BH109 50mm	0.00	0.10	0.00	0.10	21.70	78.20	0.00	<1	nt	<1	11:12	
BH112	0.00	0.20	0.00	0.20	21.30	78.50	0.00	<1	nt	<1	11:36	
BH115 19mm	0.00	1.00	0.00	0.90	19.50	79.50	0.00	<1	nt	<1	12:09	
BH115 50mm	0.00	3.90	0.00	3.90	15.20	80.90	0.00	1.00	nt	<1	11:58	
BH116	0.00	0.60	0.00	0.60	19.00	80.40	0.00	7.00	nt	<1	12:23	
BH204	0.00	2.70	0.00	2.70	19.80	77.40	0.00	<1	nt	<1	14:16	
BH301	0.00	0.10	0.00	0.10	21.30	78.60	0.00	<1	nt	<1	15:31	
BH302	0.00	0.30	0.00	0.30	14.20	85.50	0.00	<1	nt	1	15:16	
BH303	0.00	0.80	0.00	0.80	19.20	79.90	0.00	<1	nt	<1	14:32	
BH304	0.00	1.80	0.00	1.80	20.50	77.80	0.00	<1	nt	<1	14:05	
BH305	0.00	1.30	0.00	1.30	19.80	78.90	0.00	1.00	nt	<1	13:28	
BH306	0.00	0.10	0.00	0.10	19.70	80.20	0.00	1.00	nt	<1	12:45	
BH307	0.00	0.10	0.00	0.00	18.50	81.50	0.00	1.00	nt	<1	12:57	
BH401 19mm	0.00	0.60	0.00	0.60	18.10	81.30	0.00	<1	nt	<1	15:01	
BH401 50mm	0.10	1.00	0.00	1.00	15.50	83.50	0.00	<1	nt	<1	14:52	
BH402	0.00	0.10	0.00	0.10	21.20	78.70	0.00	<1	nt	<1	13:42	

LANDGAS - PHYSICAL PARAMETERS

Exploratory Hole No	Atmos Pressure (m bar)	Atmos Temp (°C)	BH Flow		BH Pressure		Remarks
			Peak (L/hr)	Steady (L/hr)	Peak (mbar)	Steady (mbar)	
BH102	972	11.0	0.40	0.40	0.10	0.10	
BH108 19mm	973	11.0	0.30	0.30	0.05	0.05	
BH108 50mm	971	11.0	0.60	0.60	0.02	0.02	
BH109 19mm	973	11.0	0.40	0.40	0.05	0.05	
BH109 50mm	973	11.0	0.40	0.40	0.00	0.00	
BH112	968	11.0	0.30	0.30	0.10	0.10	
BH115 19mm	972	11.0	0.50	0.50	-0.02	-0.02	
BH115 50mm	971	11.0	0.50	0.50	-0.02	-0.02	
BH116	971	11.0	0.40	0.40	0.03	0.03	
BH204	972	11.0	0.40	0.40	0.10	0.10	
BH301	971	11.0	0.50	0.50	-0.02	-0.02	
BH302	971	11.0	0.40	0.40	0.02	0.02	
BH303	971	11.0	0.50	0.50	0.07	0.07	
BH304	971	11.0	0.70	0.70	0.05	0.05	
BH305	970	11.0	0.50	0.50	0.12	0.12	
BH306	972	11.0	0.40	0.40	0.14	0.14	
BH307	973	11.0	0.40	0.40	0.02	0.02	
BH401 19mm	973	11.0	0.30	0.30	0.02	0.02	
BH401 50mm	971	11.0	0.40	0.40	0.03	0.03	
BH402	971	11.0	0.50	0.50	0.02	0.02	

AMBIENT ATMOSPHERIC CONDITIONS

Parameter	Before Monitoring	After Monitoring
CH_4 (% vol)	0.00	0.00
CO_2 (% vol)	0.10	0.10
O_2 (% vol)	21.50	21.10
PID (ppm)	nt	nt
Atmos Press. (m bar)	971.00	971.00

ATMOSPHERIC PRESSURE CONDITIONS

3 days prior (m bar)	1013
2 days prior (m bar)	1015
1 day prior (m bar)	1005
during (m bar) am,midday,pm	1004, 1004, 1005
1 day post (m bar)	1009

GROUNDWATER / NAPL - PHYSIO-CHEMICAL PARAMETERS

Exploratory Hole No	Water Surface (mbgl)	Base Depth (mbgl)	LNAPL Surface (mbgl)	DNAPL Surface (mbgl)	Water Quality Indicators								Remarks
					ORP (mV)	SPC (µs/cm)	C (µs/cm)	Ph (value)	DO (mg/L)	Dissolved Solids (ppt)	Resistivity (Ω·cm)	Temp (°C)	
BH102	5.53	6.12	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Purged 1.5L
BH108 19mm	16.60	18.67	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH108 50mm	5.05	5.35	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH109 19mm	5.74	5.80	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH109 50mm	21.04	21.25	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	GW too deep to purge
BH112	6.97	7.06	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 19mm	DRY	7.70	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 50mm	20.31	21.31	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH116	DRY	6.54	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH204	5.34	5.39	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Silty
BH301	DRY	4.75	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH302	4.45	4.73	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH303	2.80	2.89	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH304	DRY	2.68	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH305	DRY	5.05	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH306	1.18	1.52	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH307	2.20	2.36	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 19mm	DRY	4.02	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 50mm	20.03	20.50	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	GW too deep to purge
BH402	20.35	22.40	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	GW too deep to purge

Notes
nt = not tested
nd = not detected

Data Compiled by: SW
Data Checked by: JC

Tetra Tech

LANDGAS AND GROUNDWATER MONITORING RESULTS

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

TETRA TECH

Site Name: Goat Mill Road
Job No.: 784-B077402
Client: Merthyr Tydfil County Borough Council

Date Monitored: 19/05/26
Monitoring Engineer: IR
Weather: Overcast

EQUIPMENT USED

Type	Make	Serial	Last Calibrated
Gas Analyser	**Landtec GA5000**	**G501108**	**Feb-26**
Interface Meter	**Solinst**	**122-004988-1**	**n/a**
PID	**MiniRAE Lit**	**595-000885**	**Mar-26**

LANDGAS CONCENTRATIONS - INSTALLATION CONDITIONS

Exploratory Hole No	Peak		Steady									
	CH_4 (% vol)	CO_2 (% vol)	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	BAL (%)	PID (ppm)	H_2S (ppm)	HCN (ppm)	CO (ppm)	Time	Remarks
BH102	0.00	0.90	0.00	0.90	16.40	82.70	0.00	1	nt	1	11:59	
BH108 19mm	0.00	0.10	0.00	0.10	19.80	80.10	0.00	< 1	nt	< 1	09:33	
BH108 50mm	0.00	2.30	0.00	2.30	19.00	78.70	0.00	< 1	nt	< 1	09:38	
BH109 19mm	0.00	0.70	0.00	0.20	21.00	78.90	0.00	< 1	nt	< 1	09:13	
BH109 50mm	0.00	0.70	0.00	0.70	17.70	81.60	0.00	< 1	nt	< 1	09:06	
BH112	0.00	0.10	0.00	0.10	19.30	80.60	0.00	< 1	nt	< 1	09:57	
BH115 19mm	0.00	0.70	0.00	1.10	20.00	79.30	0.00	< 1	nt	< 1	10:11	
BH115 50mm	0.00	1.20	0.00	1.20	19.70	79.20	0.00	< 1	nt	< 1	10:09	
BH116	0.00	0.90	0.00	0.90	19.10	80.10	0.00	1	nt	1	14:44	
BH204	0.00	1.50	0.00	1.50	18.40	80.20	0.00	1	nt	< 1	14:35	
BH301	0.00	0.00	0.00	0.10	19.30	80.60	0.00	1	nt	1	11:32	
BH302	0.00	0.00	0.00	0.10	10.80	89.20	0.00	1	nt	< 1	11:20	
BH303	0.00	0.90	0.00	0.90	18.50	80.60	0.00	< 1	nt	< 1	08:51	
BH304	0.00	1.60	0.00	1.60	19.30	79.10	0.00	< 1	nt	< 1	11:45	
BH305	0.00	1.20	0.00	1.20	19.80	79.00	0.00	1	nt	1	14:14	
BH306	0.00	0.10	0.00	0.10	19.10	80.80	0.00	1	nt	< 1	12:00	
BH307	0.00	0.20	0.00	0.20	21.00	78.80	0.00	< 1	nt	< 1	12:18	
BH401 19mm	0.00	0.80	0.00	0.60	16.90	82.50	0.00	< 1	nt	< 1	08:41	
BH401 50mm	0.00	0.80	0.00	0.80	16.90	82.30	0.00	< 1	nt	1	08:37	
BH402	0.00	0.10	0.00	0.10	20.20	79.70	0.00	1	nt	< 1	14:23	

LANDGAS - PHYSICAL PARAMETERS

Exploratory Hole No	Atmos Pressure (m bar)	Atmos Temp (°C)	BH Flow		BH Pressure		Remarks
			Peak (L/hr)	Steady (L/hr)	Peak (mbar)	Steady (mbar)	
BH102	987	13.0	0.20	0.20	0.00	0.00	
BH108 19mm	985	13.0	0.10	0.10	0.12	0.12	
BH108 50mm	985	13.0	0.20	0.20	0.03	0.03	
BH109 19mm	984	13.0	0.20	0.20	0.03	0.03	
BH109 50mm	984	13.0	0.20	0.20	0.02	0.02	
BH112	983	13.0	0.10	0.10	0.05	0.05	
BH115 19mm	976	13.0	0.10	0.10	0.11	0.11	
BH115 50mm	976	13.0	0.10	0.10	0.02	0.02	
BH116	973	13.0	0.20	0.20	0.05	0.05	
BH204	976	13.0	0.10	0.10	0.02	0.02	
BH301	980	13.0	0.10	0.10	-0.02	-0.02	
BH302	986	13.0	0.20	0.20	0.09	0.09	
BH303	983	13.0	0.00	0.00	0.03	0.03	
BH304	982	13.0	0.10	0.10	0.02	0.02	
BH305	975	13.0	0.10	0.10	0.00	0.00	
BH306	974	13.0	0.20	0.20	0.04	0.04	
BH307	973	13.0	0.00	0.00	0.02	0.02	
BH401 19mm	982	13.0	0.10	0.10	0.02	0.02	
BH401 50mm	982	13.0	0.20	0.20	0.00	0.00	
BH402	976	13.0	0.20	0.20	0.02	0.02	

AMBIENT ATMOSPHERIC CONDITIONS

Parameter	Before Monitoring	After Monitoring
CH_4 (% vol)	0.0	0.0
CO_2 (% vol)	0.1	0.1
O_2 (% vol)	19.7	20.2
PID (ppm)	nt	nt
Atmos Press. (m bar)	983.0	987.0

ATMOSPHERIC PRESSURE CONDITIONS

3 days prior (m bar)	1008
2 days prior (m bar)	1011
1 day prior (m bar)	1011
during (m bar) am,midday,pm	1005, 1004, 1006
1 day post (m bar)	1020

GROUNDWATER / NAPL - PHYSIO-CHEMICAL PARAMETERS

Exploratory Hole No	Water Surface (mbgl)	Base Depth (mbgl)	LNAPL Surface (mbgl)	DNAPL Surface (mbgl)	Water Quality Indicators								Remarks
					ORP (mV)	SPC (µs/cm)	C (µs/cm)	Ph (value)	DO (mg/L)	Dissolved Solids (ppt)	Resistivity (Ω·cm)	Temp (°C)	
BH102	6.05	6.12	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH108 19mm	16.61	18.67	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH108 50mm	5.26	5.35	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH109 19mm	5.70	5.80	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH109 50mm	20.98	21.25	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	GW too deep to purge
BH112	7.00	7.06	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 19mm	7.65	7.70	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 50mm	20.34	21.31	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH116	DRY	6.54	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH204	5.30	5.39	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH301	4.7	4.75	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH302	3.64	4.73	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH303	2.80	2.89	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH304	2.58	2.68	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH305	DRY	5.05	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH306	1.45	1.52	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH307	2.26	2.36	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 19mm	DRY	4.02	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 50mm	20.20	20.50	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH402	22.25	22.40	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	

Notes nt = not tested
nd = not detected

Data Compiled by: IR
Data Checked by: JC

Tetra Tech

LANDGAS AND GROUNDWATER MONITORING RESULTS

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

TETRA TECH

Site Name: Goat Mill Road
Job No.: 784-B077402
Client: Merthyr Tydfil County Borough Council

Date Monitored: 03/06/26
Monitoring Engineer: SW
Weather: Rainy

EQUIPMENT USED

Type	Make	Serial	Last Calibrated
Gas Analyser	**Landtec GA5000**	**G501108**	**Feb-26**
Interface Meter	**Solinst**	**122-004988-1**	**n/a**
PID	**MiniRAE Lit**	**595-000885**	**Mar-26**

LANDGAS CONCENTRATIONS - INSTALLATION CONDITIONS

Exploratory Hole No	Peak		Steady									
	CH_4 (% vol)	CO_2 (% vol)	CH_4 (% vol)	CO_2 (% vol)	O_2 (% vol)	BAL (%)	PID (ppm)	H_2S (ppm)	HCN (ppm)	CO (ppm)	Time	Remarks
BH102	0.00	1.60	0.00	1.60	15.00	83.40	0.00	1	nt	<1	09:37	
BH108 19mm	0.00	2.50	0.00	2.50	18.20	79.30	0.00	1	nt	<1	10:29	
BH108 50mm	0.00	0.10	0.00	0.10	19.50	80.30	0.00	<1	nt	<1	10:21	
BH109 19mm	0.00	0.30	0.00	0.30	20.00	79.70	0.00	1	nt	<1	10:06	
BH109 50mm	0.00	3.80	0.00	3.80	18.10	78.10	0.00	1	nt	<1	09:59	
BH112	0.10	2.50	0.00	2.50	18.30	79.20	0.00	1	nt	<1	12:55	
BH115 19mm	0.00	1.20	0.00	1.20	19.60	79.20	0.00	<1	nt	<1	12:36	
BH115 50mm	0.00	3.20	0.00	3.10	18.10	78.80	0.00	<1	nt	<1	12:23	
BH116	0.00	2.00	0.00	2.00	19.60	78.50	0.00	1	nt	<1	14:55	
BH204	0.00	0.90	0.00	0.90	20.10	79.00	0.00	1	nt	<1	13:31	
BH301	0.00	0.10	0.00	0.10	19.50	80.40	0.00	1	nt	<1	11:02	
BH302	0.00	0.20	0.00	0.20	16.90	82.90	0.00	1	nt	<1	10:50	
BH303	0.00	1.20	0.00	1.20	16.80	81.90	0.00	<1	nt	<1	11:47	
BH304	0.00	0.50	0.00	0.50	20.40	79.10	0.00	1	nt	<1	13:15	
BH305	0.00	0.10	0.00	0.10	21.20	78.70	0.00	1	nt	<1	13:49	
BH306	0.00	0.10	0.00	0.10	19.30	80.60	0.00	1	nt	<1	14:38	
BH307	0.00	0.10	0.00	0.00	15.60	84.30	0.00	1	nt	<1	14:25	
BH401 19mm	0.00	0.40	0.00	0.40	20.30	79.30	0.00	<1	nt	<1	11:29	
BH401 50mm	0.00	0.10	0.00	0.10	21.20	78.70	0.00	1	nt	<1	11:21	
BH402	0.10	0.10	0.00	0.10	19.80	80.20	0.00	1	nt	<1	11:08	

LANDGAS - PHYSICAL PARAMETERS

Exploratory Hole No	Atmos Pressure (m bar)	Atmos Temp (°C)	BH Flow		BH Pressure		Remarks
			Peak (L/hr)	Steady (L/hr)	Peak (mbar)	Steady (mbar)	
BH102	963	18.0	0.10	0.10	-0.15	-0.15	
BH108 19mm	970	18.0	0.50	0.50	0.03	0.03	
BH108 50mm	968	18.0	0.50	0.50	0.05	0.05	
BH109 19mm	970	18.0	0.50	0.50	0.07	0.07	
BH109 50mm	970	18.0	0.50	0.50	0.10	0.10	
BH112	961	18.0	0.40	0.40	0.07	0.07	
BH115 19mm	969	18.0	0.40	0.40	0.05	0.05	
BH115 50mm	966	18.0	0.30	0.30	0.15	0.15	
BH116	966	18.0	0.40	0.40	0.03	0.03	
BH204	967	18.0	0.40	0.40	0.14	0.14	
BH301	967	18.0	0.30	0.30	0.12	0.12	
BH302	967	18.0	0.50	0.50	-0.03	-0.03	
BH303	967	18.0	2.10	2.10	0.02	0.02	
BH304	966	18.0	0.30	0.30	0.05	0.05	
BH305	967	18.0	0.40	0.40	0.05	0.05	
BH306	967	18.0	0.50	0.50	0.14	0.14	
BH307	966	18.0	0.40	0.40	0.02	0.02	
BH401 19mm	969	18.0	0.40	0.40	0.05	0.05	
BH401 50mm	967	18.0	0.30	0.30	-0.07	-0.07	
BH402	967	18.0	0.40	0.40	0.07	0.07	

AMBIENT ATMOSPHERIC CONDITIONS

Parameter	Before Monitoring	After Monitoring
CH_4 (% vol)	0.00	0.00
CO_2 (% vol)	0.10	0.10
O_2 (% vol)	21.00	21.30
PID (ppm)	nt	nt
Atmos Press. (m bar)	963.00	966.00

ATMOSPHERIC PRESSURE CONDITIONS

3 days prior (m bar)	1018
2 days prior (m bar)	1012
1 day prior (m bar)	1005
during (m bar) am,midday,pm	1002, 998, 997
1 day post (m bar)	999

GROUNDWATER / NAPL - PHYSIO-CHEMICAL PARAMETERS

Exploratory Hole No	Water Surface (mbgl)	Base Depth (mbgl)	LNAPL Surface (mbgl)	DNAPL Surface (mbgl)	Water Quality Indicators								Remarks
					ORP (mV)	SPC (µs/cm)	C (µs/cm)	Ph (value)	DO (mg/L)	Dissolved Solids (ppt)	Resistivity (Ω·cm)	Temp (°C)	
BH102	5.65	6.12	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Not enough GW to purge - attempted
BH108 19mm	16.56	18.67	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH108 50mm	4.94	5.35	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Not enough GW to purge - attempted
BH109 19mm	5.74	5.80	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH109 50mm	DRY	21.25	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH112	DRY	7.06	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 19mm	7.63	7.70	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 50mm	20.49	21.31	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH116	DRY	6.54	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH204	5.21	5.39	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Silty
BH301	4.7	4.75	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH302	3.74	4.73	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Purged approx.2 litres
BH303	2.78	2.89	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Not enough GW to purge - attempted
BH304	DRY	2.68	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH305	DRY	5.05	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH306	DRY	1.52	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH307	DRY	2.36	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 19mm	DRY	4.02	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 50mm	20.05	20.50	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	GW too deep to purge
BH402	DRY	22.40	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	

Notes nt = not tested
nd = not detected

Data Compiled by: SW
Data Checked by: JC

Tetra Tech

LANDGAS AND GROUNDWATER MONITORING RESULTS

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

TETRA TECH

Site Name: Goat Mill Road
Job No.: 784-B077402
Client: Merthyr Tydfil County Borough Council

Date Monitored: 10/06/26
Monitoring Engineer: IJ
Weather: Raining

EQUIPMENT USED

Type	Make	Serial	Last Calibrated
Gas Analyser	**Landtec GA5000**	**G501108**	**Feb-26**
Interface Meter	**Solinst**	**122-004988-1**	**n/a**
PID	**MiniRAE Lit**	**595-000885**	**Mar-26**

ATIONS - INSTALLATION CONDITIONS

Exploratory Hole No	Peak		Steady									
	CH4 (% vol)	CO2 (% vol)	CH4 (% vol)	CO2 (% vol)	O2 (% vol)	BAL (%)	PID (ppm)	H2S (ppm)	HCN (ppm)	CO (ppm)	Time	Remarks
BH102	<0.1	<0.1	<0.1	<0.1	20.70	79.20	0.00	1.00	nt	<1	11:06	
BH108 19mm	<0.1	2.40	<0.1	2.30	18.20	79.40	0.00	1.00	nt	<1	11:31	
BH108 50mm	<0.1	0.10	<0.1	<0.1	18.90	81.00	0.00	1.00	nt	<1	11:31	
BH109 19mm	<0.1	2.90	<0.1	0.80	13.50	85.70	0.00	1.00	nt	<1	12:04	
BH109 50mm	<0.1	3.30	<0.1	3.30	17.50	79.20	0.00	1.00	nt	1	11:54	
BH112	<0.1	1.40	<0.1	1.40	19.60	79.00	0.00	1.00	nt	<1	12:30	
BH115 19mm	<0.1	1.10	<0.1	1.10	19.70	79.20	0.00	1.00	nt	<1	12:50	
BH115 50mm	<0.1	0.90	<0.1	0.90	17.10	82.00	0.00	1.00	nt	<1	13:00	
BH116	<0.1	0.80	<0.1	0.80	18.10	81.10	0.00	1.00	nt	<1	13:05	
BH204	<0.1	0.50	<0.1	0.50	19.90	79.60	0.00	2.00	nt	1	14:17	
BH301	<0.1	0.10	<0.1	<0.1	18.90	81.00	0.00	1.00	nt	1	10:42	
BH302	<0.1	0.10	<0.1	<0.1	11.20	88.70	0.00	1.00	nt	<1	10:06	
BH303	<0.1	1.30	<0.1	1.30	16.00	82.70	0.00	1.00	nt	<1	14:40	
BH304	<0.1	1.90	<0.1	1.90	19.70	78.40	0.00	1.00	nt	<1	14:33	
BH305	<0.1	0.10	<0.1	0.10	21.70	78.20	0.00	1.00	nt	<1	14:05	
BH306	<0.1	0.10	<0.1	0.10	19.10	80.80	0.00	<1	nt	<1	13:31	
BH307	<0.1	0.10	<0.1	<0.1	14.90	85.10	0.00	1.00	nt	<1	13:41	
BH401 19mm	<0.1	1.00	<0.1	0.10	20.40	79.40	0.00	<1	nt	<1	14:57	
BH401 50mm	0.10	1.00	<0.1	1.00	17.90	81.10	0.00	1.00	nt	1	13:10	
BH402	<0.1	0.10	<0.1	0.10	18.10	81.80	0.00	1.00	nt	<1	13:52	

S - PHYSICAL PARAMETERS

Exploratory Hole No	Atmos Pressure	Atmos Temp	BH Flow		BH Pressure		Remarks
			Peak (L/hr)	Steady (L/hr)	Peak (mbar)	Steady (mbar)	
BH102	986	13.00	0.00	0.00	-0.31	-0.31	
BH108 19mm	987	13.00	0.00	0.00	0.05	0.05	
BH108 50mm	986	13.00	0.00	0.00	0.00	0.00	
BH109 19mm	986	13.00	0.00	0.00	0.14	0.14	
BH109 50mm	986	13.00	0.00	0.00	0.05	0.05	
BH112	986	13.00	0.00	0.00	0.03	0.03	
BH115 19mm	986	13.00	0.00	0.00	0.31	0.31	
BH115 50mm	986	13.00	0.00	0.00	-0.55	-0.55	
BH116	986	13.00	0.00	0.00	0.07	0.07	
BH204	986	13.00	0.00	0.00	0.00	0.00	
BH301	896	13.00	0.00	0.00	0.10	0.10	
BH302	895	13.00	0.00	0.00	0.00	0.00	
BH303	986	13.00	0.00	0.00	0.00	0.00	
BH304	985	13.00	0.10	0.10	0.00	0.00	
BH305	987	13.00	0.00	0.00	0.00	0.00	
BH306	986	13.00	0.00	0.00	0.00	0.00	
BH307	987	13.00	0.00	0.00	0.00	0.00	
BH401 19mm	986	13.00	0.00	0.00	0.00	0.00	
BH401 50mm	986	13.00	0.00	0.00	0.00	0.00	
BH402	986	13.00	0.10	0.10	0.00	0.00	

AMBIENT ATMOSPHERIC CONDITIONS

Parameter	Before Monitoring	After Monitoring
CH4 (% vol)	0.00	0.00
CO2 (% vol)	0.10	0.10
O2 (% vol)	21.00	21.30
PID (ppm)	nt	nt
Atmos Press. (m bar)	963.00	966.00

ATMOSPHERIC PRESSURE CONDITIONS

3 days prior (m bar)	1018
2 days prior (m bar)	1012
1 day prior (m bar)	1005
during (m bar) am,midday,pm	1002, 998, 997
1 day post (m bar)	999

APL - PHYSIO-CHEMICAL PARAMETERS

Exploratory Hole No	Water	Base	LNAPL	DNAPL	Water								Remarks
					ORP (mV)	SPC (µs/cm)	C (ms/cm)	Ph (value)	DO (mg/L)	Dissolved Solids (ppt)	Resistivity (Ω·cm)	Temp (oC)	
BH102	6.00	6.12	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	water at base
BH108 19mm	16.54	18.67	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Low flow attempted - too deep to test
BH108 50mm	4.80	5.35	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH109 19mm	5.80	5.80	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	water at base
BH109 50mm	21.03	21.25	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH112	7.06	7.06	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	silty at base
BH115 19mm	7.65	7.70	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 50mm	20.50	21.31	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH116	6.43	6.54	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH204	5.38	5.39	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Silty
BH301	4.7	4.75	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH302	3.42	4.73	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Low flow attempted - not enough GW to complete test (sample taken)
BH303	2.83	2.89	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH304	2.66	2.68	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	water at base
BH305	DRY	5.05	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH306	1.06	1.52	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Low flow attempted - not enough GW to complete test (sample
BH307	2.20	2.36	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 19mm	3.98	4.02	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 50mm	20.00	20.50	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH402	21.97	22.40	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	

Notes

nt = not tested
nd = not detected

Data Compiled by: IJ

Data Checked by: JC

Tetra Tech

LANDGAS AND GROUNDWATER MONITORING RESULTS

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

Site Name: Goat Mill Road
Job No.: 784-B077402
Client: Merthyr Tydfil County Borough Council

Date Monitored: 26/06/26
Monitoring Engineer: IR
Weather: Sunny

EQUIPMENT USED

Type	Make	Serial	Last Calibrated
Gas Analyser	**Landtec GA5000**	**G501108**	**Mar-26**
Interface Meter	**Solinst**	**122-004988-1**	**n/a**
PID	**MiniRAE Lit**	**595-000885**	**Mar-26**

LANDGAS CONCENTRATIONS - INSTALLATION CONDITIONS

Exploratory Hole No	Peak		Steady									
	CH4 (% vol)	CO2 (% vol)	CH4 (% vol)	CO2 (% vol)	O2 (% vol)	BAL (%)	PID (ppm)	H2S (ppm)	HCN (ppm)	CO (ppm)	Time	Remarks
BH102	0.20	<0.1	0.20	0.10	20.50	79.60	0.20	0.00	nt	<1	08:30	
BH108 19mm	<0.1	2.40	<0.1	2.30	18.20	78.50	0.00	1.00	nt	<1	08:45	
BH108 50mm	<0.1	0.60	<0.1	0.60	18.90	80.50	0.00	1.00	nt	<1	08:48	
BH109 19mm	<0.1	2.90	<0.1	2.90	14.20	82.90	0.00	1.00	nt	<1	09:01	
BH109 50mm	<0.1	2.50	<0.1	2.50	17.50	80.00	0.00	1.00	nt	1	09:05	
BH112	<0.1	2.00	<0.1	1.70	19.60	78.70	0.00	1.00	nt	<1	12:01	
BH115 19mm	<0.1	3.00	<0.1	3.00	19.70	77.30	0.00	1.00	nt	<1	11:05	
BH115 50mm	<0.1	1.10	<0.1	0.80	18.00	81.20	0.00	1.00	nt	<1	11:10	
BH116	<0.1	0.50	<0.1	0.40	18.10	81.50	0.00	1.00	nt	<1	11:22	
BH204	<0.1	0.80	<0.1	0.40	20.10	79.50	0.00	2.00	nt	1	11:40	
BH301	<0.1	0.10	<0.1	<0.1	15.00	85.00	0.00	1.00	nt	1	09:32	
BH302	<0.1	0.10	<0.1	<0.1	9.80	90.20	0.00	1.00	nt	<1	09:41	
BH303	<0.1	1.20	<0.1	1.00	17.40	81.60	0.00	1.00	nt	<1	09:50	
BH304	<0.1	1.90	<0.1	0.60	19.70	78.40	0.00	1.00	nt	<1	09:58	
BH305	<0.1	0.10	<0.1	0.10	20.50	79.40	0.00	1.00	nt	<1	10:10	
BH306	<0.1	0.10	<0.1	0.10	19.10	80.80	0.00	<1	nt	<1	10:23	
BH307	<0.1	0.10	<0.1	<0.1	16.30	83.70	0.00	1.00	nt	<1	10:35	
BH401 19mm	<0.1	0.80	<0.1	0.20	19.50	80.30	0.00	<1	nt	<1	09:17	
BH401 50mm	0.10	3.80	<0.1	3.60	18.60	77.80	0.00	1.00	nt	1	09:20	
BH402	<0.1	0.10	<0.1	0.10	18.90	81.00	0.00	1.00	nt	<1	10:50	

LANDGAS - PHYSICAL PARAMETERS

Exploratory Hole No	Atmos Pressure	Atmos Temp	BH Flow		BH Pressure		Remarks
			Peak (L/hr)	Steady (L/hr)	Peak (mbar)	Steady (mbar)	
BH102	981	23.0	0.10	0.10	0.01	0.01	
BH108 19mm	981	23.0	0.00	0.00	0.00	0.00	
BH108 50mm	981	23.0	0.00	0.00	0.00	0.00	
BH109 19mm	981	23.0	0.00	0.00	0.11	0.11	
BH109 50mm	981	23.0	0.00	0.00	0.05	0.05	
BH112	981	23.0	0.10	0.10	0.03	0.03	
BH115 19mm	981	23.0	0.00	0.00	0.31	0.31	
BH115 50mm	981	23.0	0.00	0.00	-0.02	-0.02	
BH116	981	23.0	0.00	0.00	0.10	0.10	
BH204	981	23.0	0.00	0.00	0.00	0.00	
BH301	981	23.0	0.00	0.00	0.10	0.10	
BH302	981	23.0	0.00	0.00	0.00	0.00	
BH303	981	23.0	0.00	0.00	0.23	0.23	
BH304	981	23.0	0.10	0.10	0.00	0.00	
BH305	981	23.0	0.00	0.00	0.00	0.00	
BH306	981	23.0	0.00	0.00	0.00	0.00	
BH307	981	23.0	0.00	0.00	0.00	0.00	
BH401 19mm	981	23.0	0.00	0.00	0.00	0.00	
BH401 50mm	981	23.0	0.00	0.00	0.00	0.00	
BH402	981	23.0	0.10	0.10	0.00	0.00	

ATMOSPHERIC PRESSURE CONDITIONS

Parameter	Before Monitoring	After Monitoring		
CH4 (% vol)	0.00	0.00	3 days prior (m bar)	1020
CO2 (% vol)	0.10	0.10	2 days prior (m bar)	1019
O2 (% vol)	20.10	20.20	1 day prior (m bar)	1016
PID (ppm)	0.00	0.00	during (m bar) am,midday,pm	1012, 1015, 1016
Atmos Press. (m bar)	981.00	982.00	1 day post (m bar)	1017

GROUNDWATER / NAPL - PHYSIO-CHEMICAL PARAMETERS

Exploratory Hole No	Water	Base	LNAPL	DNAPL	Water								Remarks
					ORP (mV)	SPC (µs/cm)	C (ms/cm)	Ph (value)	DO (mg/L)	Dissolved Solids (ppt)	Resistivity (Ω·cm)	Temp (oC)	
BH102	DRY	6.12	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH108 19mm	DRY	18.67	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH108 50mm	DRY	5.35	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH109 19mm	DRY	5.80	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH109 50mm	DRY	21.25	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH112	DRY	7.06	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 19mm	DRY	7.70	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 50mm	DRY	21.31	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH116	DRY	6.54	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH204	DRY	5.39	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH301	DRY	4.75	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH302	DRY	4.73	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH303	DRY	2.89	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH304	DRY	2.68	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH305	DRY	5.05	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH306	DRY	1.52	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH307	DRY	2.36	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 19mm	DRY	4.02	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 50mm	DRY	20.50	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH402	DRY	22.40	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	

Notes
nt = not tested
nd = not detected

Data Compiled by: IR
Data Checked by: NEB

Tetra Tech

LANDGAS AND GROUNDWATER MONITORING RESULTS

Hodge House, 114-116 St Mary Street, Cardiff, CF10 1DY

Site Name: Goat Mill Road
Job No.: 784-B077402
Client: Merthyr Tydfil County Borough Council

Date Monitored: 30/06/26
Monitoring Engineer: SW
Weather: Sunny with rain showers

EQUIPMENT USED

Type	Make	Serial	Last Calibrated
Gas Analyser	**Landtec GA5000**	**G508436**	**Mar-26**
Interface Meter	**Solinst**	**122-004988-1**	**n/a**
PID	**MiniRAE Lit**	**595-000885**	**Mar-26**

LANDGAS CONCENTRATIONS - INSTALLATION CONDITIONS

Exploratory Hole No	Peak		Steady									
	CH4 (% vol)	CO2 (% vol)	CH4 (% vol)	CO2 (% vol)	O2 (% vol)	BAL (%)	PID (ppm)	H2S (ppm)	HCN (ppm)	CO (ppm)	Time	Remarks
BH102	0.20	1.50	0.00	1.50	13.80	84.60	0.00	<1	nt	<1	12:28	
BH108 19mm	0.00	2.20	0.00	2.20	17.80	80.00	0.00	<1	nt	<1	12:51	
BH108 50mm	0.00	0.10	0.00	0.10	20.20	79.70	0.00	<1	nt	<1	12:46	
BH109 19mm	0.00	0.10	0.00	0.10	20.60	79.40	0.00	<1	nt	<1	13:14	
BH109 50mm	0.00	0.10	0.00	0.10	20.50	79.40	0.00	<1	nt	<1	13:05	
BH112	0.00	2.70	0.00	2.70	17.90	79.40	0.00	<1	nt	<1	13:31	
BH115 19mm	0.00	1.20	0.00	1.20	19.40	79.40	0.00	<1	nt	<1	13:57	
BH115 50mm	0.00	2.20	0.00	2.20	18.90	78.90	0.00	<1	nt	<1	13:50	
BH116	0.00	1.30	0.00	1.30	18.20	80.50	0.00	<1	nt	1	14:09	
BH204	0.00	1.00	0.00	1.00	20.30	78.70	0.00	<1	nt	<1	15:37	
BH301	0.00	0.10	0.00	0.00	4.40	95.60	0.00	<1	nt	1	17:01	
BH302	0.00	0.10	0.00	0.00	19.10	80.90	0.00	<1	nt	<1	16:49	
BH303	0.00	0.80	0.00	0.80	20.30	78.90	0.00	<1	nt	<1	16:09	
BH304	0.00	0.30	0.00	0.30	21.30	78.50	0.00	<1	nt	<1	15:53	
BH305	0.00	1.20	0.00	1.20	19.80	78.90	0.00	<1	nt	<1	15:23	
BH306	0.00	0.10	0.00	0.10	18.50	81.50	0.00	<1	nt	<1	14:22	
BH307	0.00	0.10	0.00	0.00	17.20	82.80	0.00	<1	nt	<1	14:38	
BH401 19mm	0.00	0.60	0.00	0.60	16.20	83.20	0.00	<1	nt	<1	16:36	
BH401 50mm	0.00	0.10	0.00	0.10	21.50	78.40	0.00	<1	nt	<1	16:28	
BH402	0.00	0.10	0.00	0.00	19.20	80.80	0.00	<1	nt	<1	14:59	

LANDGAS - PHYSICAL PARAMETERS

Exploratory Hole No	Atmos Pressure	Atmos Temp	BH Flow		BH Pressure		Remarks
			Peak (L/hr)	Steady (L/hr)	Peak (mbar)	Steady (mbar)	
BH102	989	20.00	0.50	0.50	0.04	0.04	
BH108 19mm	991	20.00	0.50	0.50	0.02	0.02	
BH108 50mm	989	20.00	0.50	0.50	0.05	0.05	
BH109 19mm	990	20.00	0.50	0.50	0.04	0.04	
BH109 50mm	989	20.00	0.50	0.50	0.02	0.02	
BH112	988	20.00	0.60	0.60	0.04	0.04	
BH115 19mm	990	20.00	0.50	0.50	0.02	0.02	
BH115 50mm	988	20.00	0.60	0.60	0.02	0.02	
BH116	988	20.00	0.50	0.50	0.04	0.04	
BH204	989	20.00	0.60	0.60	-0.02	-0.02	
BH301	988	20.00	0.40	0.40	0.00	0.00	
BH302	988	20.00	0.50	0.50	-0.02	-0.02	
BH303	988	20.00	0.70	0.70	0.02	0.02	
BH304	989	20.00	0.70	0.70	0.02	0.02	
BH305	989	20.00	0.60	0.60	-0.16	-0.16	
BH306	989	20.00	0.50	0.50	-0.04	-0.04	
BH307	989	20.00	0.50	0.50	-0.05	-0.05	
BH401 19mm	990	20.00	0.40	0.40	-0.02	-0.02	
BH401 50mm	988	20.00	0.30	0.30	0.07	0.07	
BH402	989	20.00	0.50	0.50	0.05	0.05	

ATMOSPHERIC PRESSURE CONDITIONS

Parameter	Before Monitoring	After Monitoring		
CH4 (% vol)	0.10	0.00	3 days prior (m bar)	1015
CO2 (% vol)	0.10	0.10	2 days prior (m bar)	1020
O2 (% vol)	20.90	21.50	1 day prior (m bar)	1027
PID (ppm)	nt	nt	during (m bar) am,midday,pm	1023, 1021, 2022
Atmos Press. (m bar)	989.00	988.00	1 day post (m bar)	1026

GROUNDWATER / NAPL - PHYSIO-CHEMICAL PARAMETERS

Exploratory Hole No	Water	Base	LNAPL	DNAPL	Water								Remarks
					ORP (mV)	SPC (µs/cm)	C (ms/cm)	Ph (value)	DO (mg/L)	Dissolved Solids (ppt)	Resistivity (Ω·cm)	Temp (oC)	
BH102	5.60	6.12	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH108 19mm	16.55	18.67	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH108 50mm	5.04	5.35	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH109 19mm	DRY	5.80	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH109 50mm	21.05	21.25	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH112	6.93	7.06	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 19mm	DRY	7.70	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH115 50mm	21.05	21.31	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH116	DRY	6.54	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH204	5.27	5.39	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Silty Base
BH301	4.7	4.75	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH302	DRY	4.73	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	Silty Base
BH303	2.79	2.89	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH304	2.59	2.68	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH305	DRY	5.05	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH306	1.15	1.52	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH307	2.22	2.36	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 19mm	3.78	4.02	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH401 50mm	20.01	20.50	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	
BH402	20.10	22.40	nd	nd	nt	nt	nt	nt	nt	nt	nt	nt	

Notes
nt = not tested
nd = not detected

Data Compiled by: SW
Data Checked by: NEB

APPENDIX F: VARIABLE HEAD PERMEABILITY TESTING