

TEST REPORT

Client Earth Environmental & Geotechnical Ltd

Address Houldsworth Mill Business & Arts Centre
Houldsworth Mill
Reddish
Stockport
SK5 6DA

Contract A6542 -
Derby Street, Cheetham Hill

Job Number MRN 25001/97
Date of Issue 18 December 2025
Page 1 of 5

Approved Signatories

S J Hutchings, O P Davies

Notes

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



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

Also at: London: 020 8523 1999

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

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

TEST CERTIFICATE
PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

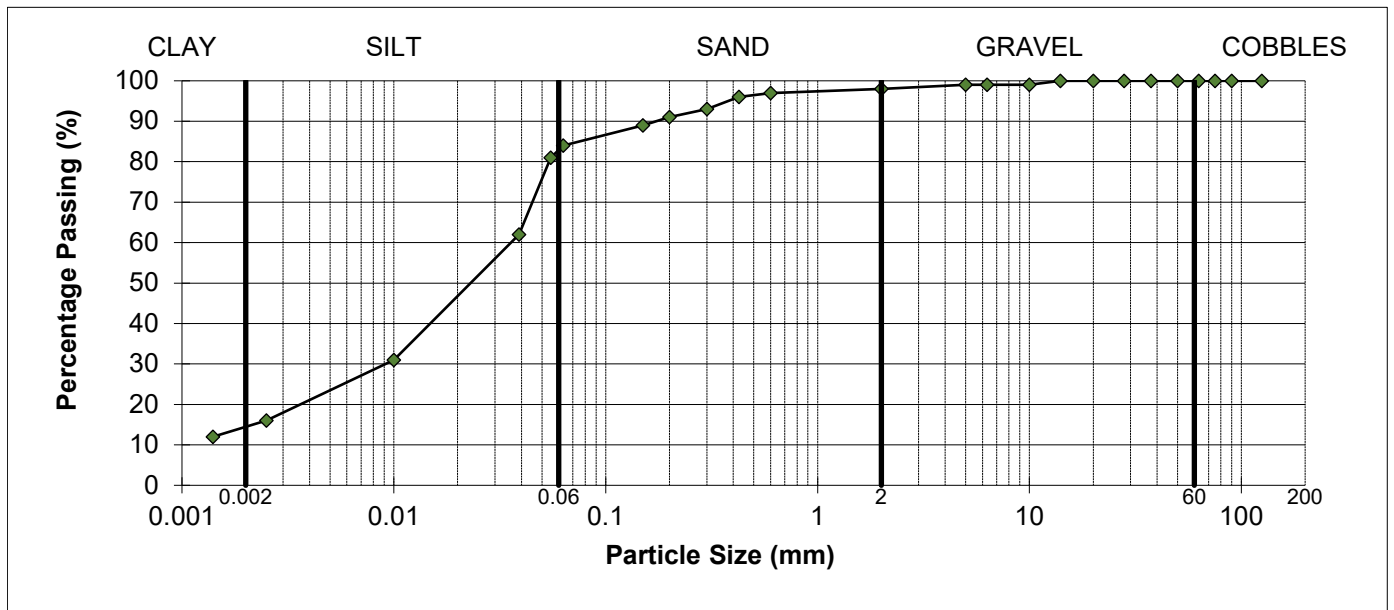
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	Earth Environmental & Geotechnical Ltd		
SITE	A6542 - Derby Street, Cheetham Hill		
JOB NUMBER	MRN 25001/97		

SAMPLE LABEL	WS01 2.8m	DATE SAMPLED	03-Dec-25
LAB SAMPLE No	5239402	DATE RECEIVED	04-Dec-25
DATE TESTED	08-Dec-25	SAMPLED BY	Client

MATERIAL	Grey brown silty slightly sandy slightly gravelly CLAY		
ADVISED SOURCE	Site Investigation Sample		

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		2	98	
90	100		0.6	97	
75	100		0.425	96	
63	100		0.3	93	
50	100		0.2	91	
37.5	100		0.15	89	
28	100		0.063	84	
20	100		0.055	81	
14	100		0.039	62	
10	99		0.01	31	
6.3	99		0.0025	16	
5	99		0.0014	12	



REMARKS

SIGNED

NAME

DATE

18-Dec-25

MURRAY RIX

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DUKINFIELD, CHESHIRE SK16 4QX
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TEST CERTIFICATE

LIQUID LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.3 (30° FALL CONE) 1 POINT METHOD

PLASTIC LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.5

WATER CONTENT METHOD BS EN ISO 17892-1:2014+A1:2022

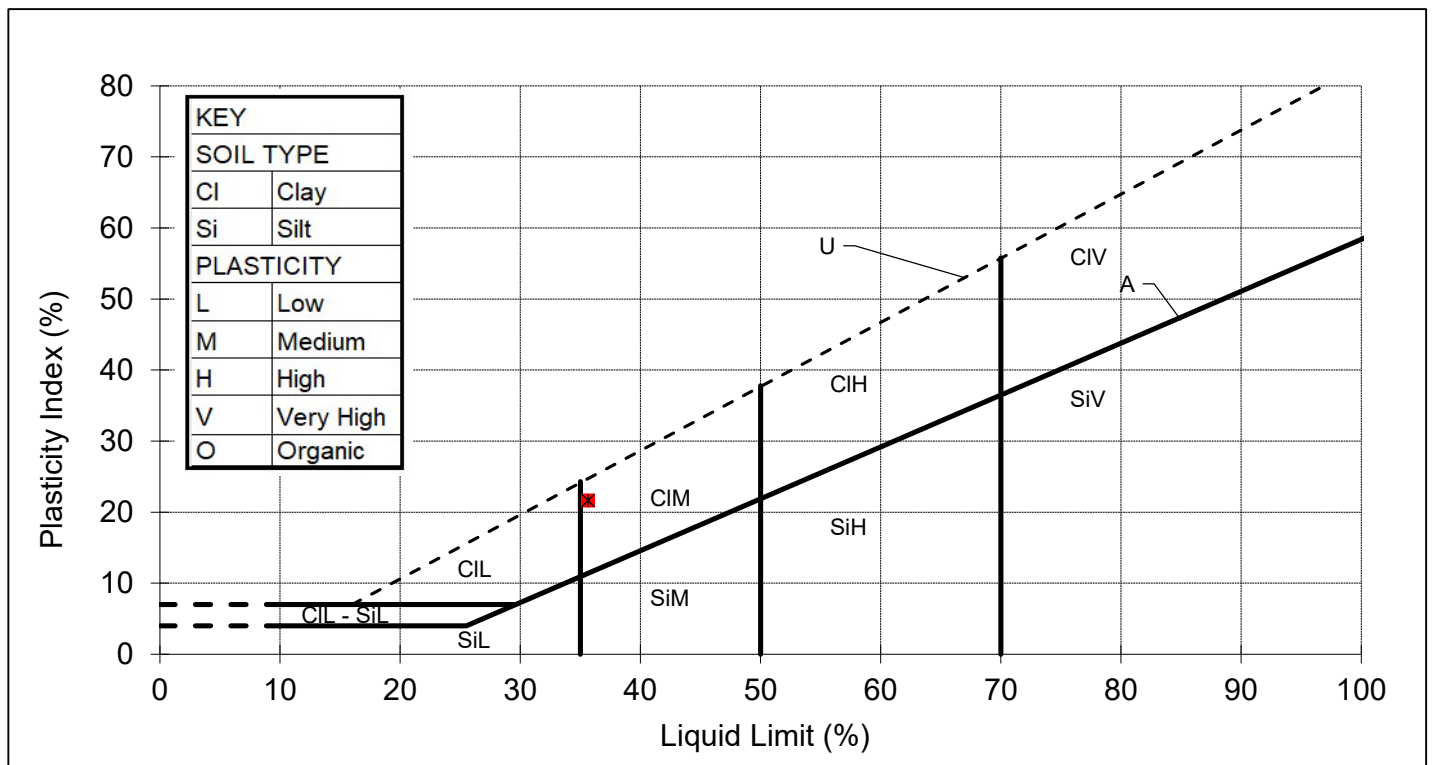
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A6542 - Derby Street, Cheetham Hill
JOB NUMBER	MRN 25001/97

SAMPLE LABEL	WS01 2.4m	DATE SAMPLED	03-Dec-25
SAMPLE No.	5239401	DATE RECEIVED	04-Dec-25
DATE TESTED	08-Dec-25	SAMPLED BY	Client

MATERIAL	Grey brown silty slightly sandy slightly gravelly CLAY		
ADVISED SOURCE	Site Investigation Sample	WATER CONTENT	Increasing
SAMPLE HISTORY	Natural State	% RET. 425um BY	Hand Picked

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	22.2	36.9	0.967	
Determination 2 (avg)	22.0	36.8		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
21.5	36	14	22	98



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WATER CONTENT METHOD BS EN ISO 17892-1:2014+A1:2022

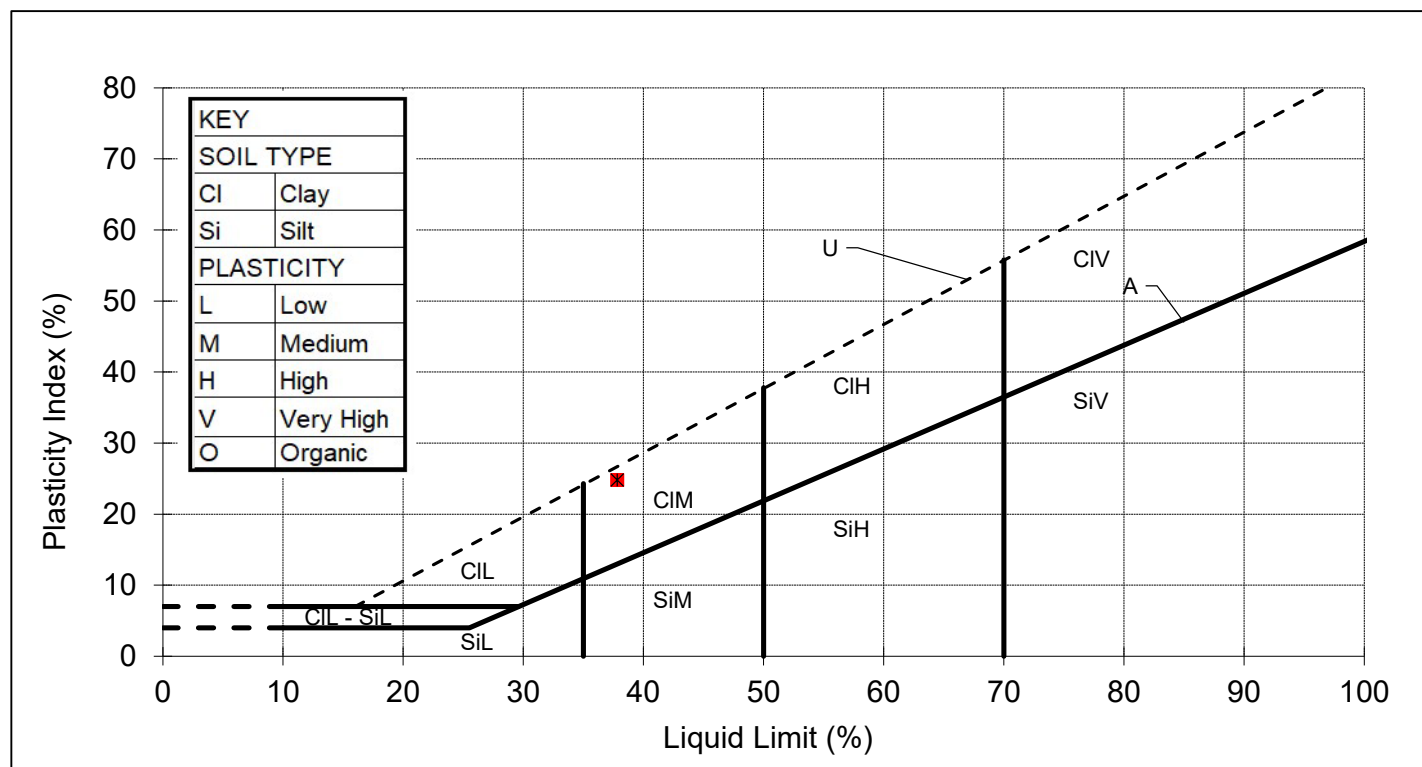
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A6542 - Derby Street, Cheetham Hill
JOB NUMBER	MRN 25001/97

SAMPLE LABEL	WS01 2.8m	DATE SAMPLED	03-Dec-25
SAMPLE No.	5239402	DATE RECEIVED	04-Dec-25
DATE TESTED	08-Dec-25	SAMPLED BY	Client

MATERIAL	Grey brown silty slightly sandy slightly gravelly CLAY		
ADVISED SOURCE	Site Investigation Sample	WATER CONTENT	Increasing
SAMPLE HISTORY	Natural State	% RET. 425um BY	Hand Picked

Test Readings mm (average)	Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	20.5	38.1	
Determination 2 (avg)	20.3	38.0	

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
17.5	38	13	25	96



REMARKS

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DATE

18-Dec-25

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TEL 0161 475 0870



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LIQUID LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.3 (30° FALL CONE) 1 POINT METHOD

PLASTIC LIMIT BS EN ISO 17892-12:2018+A2:2022 Clause 5.5

WATER CONTENT METHOD BS EN ISO 17892-1:2014+A1:2022

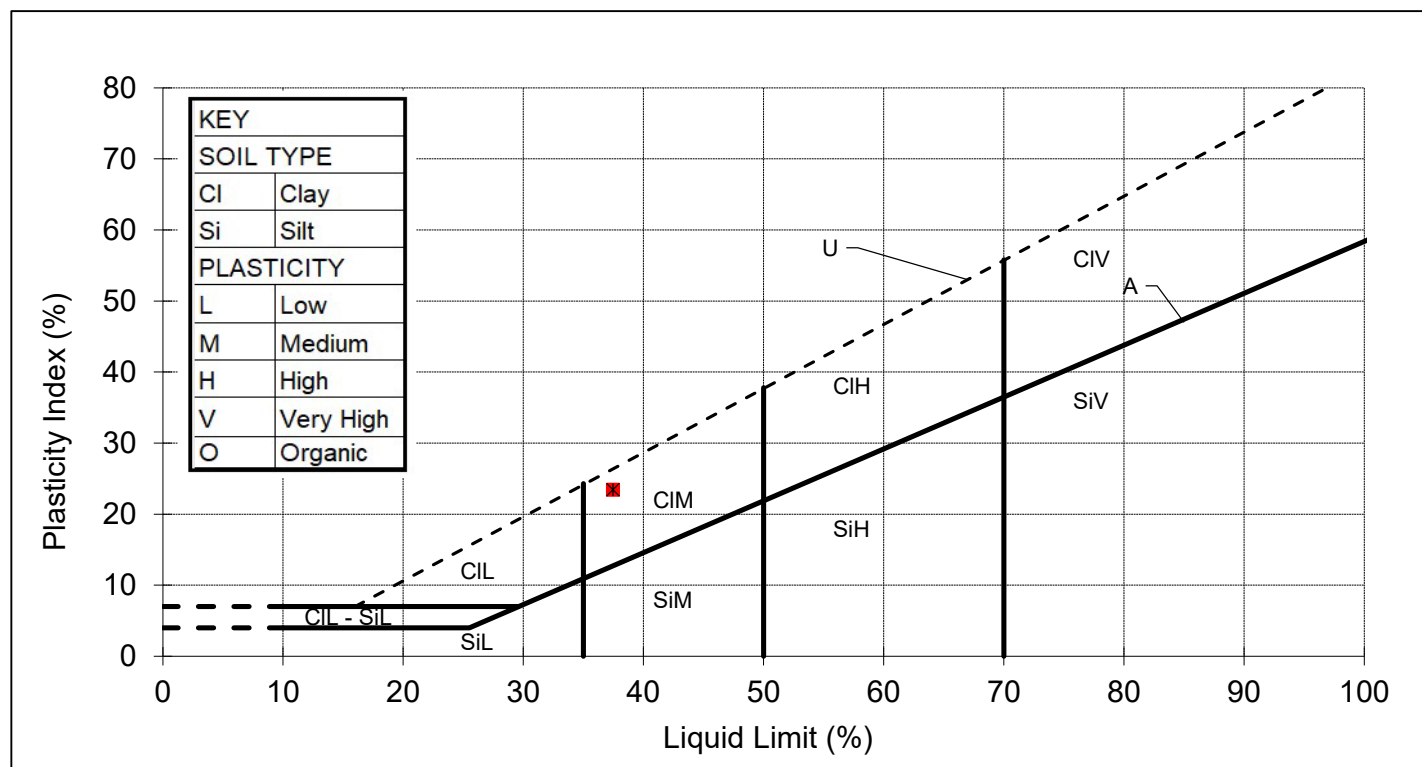
CLIENT	Earth Environmental & Geotechnical Ltd
SITE	A6542 - Derby Street, Cheetham Hill
JOB NUMBER	MRN 25001/97

SAMPLE LABEL	WS01 3.6m	DATE SAMPLED	03-Dec-25
SAMPLE No.	5239403	DATE RECEIVED	04-Dec-25
DATE TESTED	08-Dec-25	SAMPLED BY	Client

MATERIAL	Grey brown silty slightly sandy slightly gravelly CLAY		
ADVISED SOURCE	Site Investigation Sample	WATER CONTENT	Increasing
SAMPLE HISTORY	Natural State	% RET. 425um BY	Hand Picked

Test Readings mm (average)		Water Content %	Correction Factor	Correction factor from Clayton and Jukes 1978
Determination 1 (avg)	19.6	37.2	1.006	
Determination 2 (avg)	19.8	37.3		

Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 425 micron (%)
15.9	37	14	23	96



REMARKS

SIGNED

NAME

DATE

18-Dec-25

FINAL ANALYTICAL TEST REPORT

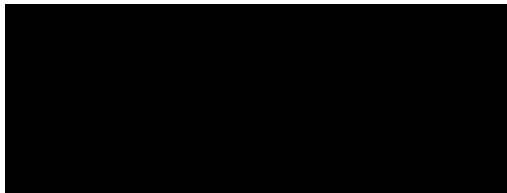
Envirolab Job Number: 25/14312
Issue Number: 1

Date: 18 December, 2025

Client: Murray Rix (Northern) Ltd
Andrew House
Hadfield Street
Dukinfield
SK16 4QX

Project Manager: Enquires/Owain Davies
Project Name: Derby Street, Cheetham Hill
Project Ref: A6542
Order No: 25/567
Date Samples Received: 08/12/25
Date Instructions Received: 08/12/25
Date Analysis Completed: 18/12/25

Approved by:



Richard Wong
Client Manager

Envirolab Job Number: 25/14312

Client Project Name: Derby Street, Cheetham Hill

Client Project Ref: A6542

Lab Sample ID	25/14312/1	25/14312/2	25/14312/3	25/14312/4				Units	Limit of Detection	Method ref
Client Sample No	5239401	5239404	5239405	5239406						
Client Sample ID	WS01	WS02	WS03	WS04						
Depth to Top	2.40	2.10	3.10	4.10						
Depth To Bottom										
Date Sampled	03-Dec-25	03-Dec-25	03-Dec-25	03-Dec-25						
Sample Type	SOIL - B	SOIL - B	SOIL - B	SOIL - B						
Sample Matrix Code	6A	5A	5A	5A						
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1				% w/w	0.1	A-T-044
pH BRE _D ^{M#}	7.89	8.19	7.90	7.93				pH	0.01	A-T-031s
Ammonium NH4 BRE (water sol 2:1) _D	3.45	1.93	1.30	1.18				mg/l	1	A-T-033s
Chloride BRE, SO4 equiv. (water sol 2:1) _D ^{M#}	<7	<7	<7	<7				mg/l	7	A-T-026s
Nitrate BRE, SO4 equiv. (water sol 2:1) _D	<0.4	3.6	0.7	<0.4				mg/l	0.4	A-T-026s
Sulphate BRE (water sol 2:1) _D ^{M#}	21	33	19	25				mg/l	10	A-T-026s
Sulphate BRE (acid sol) _D ^{M#}	<0.02	0.07	0.04	0.04				% w/w	0.02	A-T-028s
Sulphur BRE (total) _D	<0.01	0.04	0.03	0.03				% w/w	0.01	A-T-024s
Magnesium BRE (water sol 2:1) _D	4.7	2.5	2.9	2.7				mg/l	1	A-T-SOLMETS

Report Notes

General

- This report shall not be reproduced, except in full, without written approval from Envirolab.
- The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
- The results reported herein relate only to the material supplied to the laboratory.
- The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
- Analytical results reflect the quality of the sample at the time of analysis only.
- Opinions and Interpretations expressed are outside our scope of accreditation.
- A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
- If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
- Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

Key

Superscript “#”	Accredited to ISO 17025
Superscript “M”	Accredited to MCertS
Superscript “U”	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript “A”	Analysis performed on as-received Sample
Subscript “D”	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript “D” on Asbestos	Analysis performed on a dried aliquot of sample provided.
Subscript “A”	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
Trace	Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.
N/A	Not applicable

Asbestos

Identification: Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis

“Trace Asbestos Identified” will be reported if there is not enough present to verify the type.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs
Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.					

Soil Chemical Analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as “% stones >10mm”.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any “D” subscripts.

TPH by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.

Results “with Clean up” indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.

Where these humic substances have been identified in any IDs from “TPH CWG with clean up” please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Murray Rix (Northern) Ltd, Andrew House , Hadfield Street, Dukinfield, SK16 4QX Project: Derby Street, Cheetham Hill Clients Project No: A6542	Project No: 25/14312 Date Received: 08/12/2025 (am) Cool Box Temperatures (°C): 14.8
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NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	25/14312/1	25/14312/2	25/14312/3	25/14312/4
Client Sample No	5239401	5239404	5239405	5239406
Client Sample ID/Depth	WS01 2.40m	WS02 2.10m	WS03 3.10m	WS04 4.10m
Date Sampled	03/12/25	03/12/25	03/12/25	03/12/25
A-T-024s	18/12/2025	18/12/2025	18/12/2025	18/12/2025
A-T-026s	17/12/2025	17/12/2025	17/12/2025	17/12/2025
A-T-028s	16/12/2025	16/12/2025	16/12/2025	16/12/2025
A-T-031s	17/12/2025	17/12/2025	17/12/2025	17/12/2025
A-T-033s	16/12/2025	16/12/2025	16/12/2025	16/12/2025
A-T-044	17/12/2025	17/12/2025	17/12/2025	17/12/2025
A-T-SOLMETS	17/12/2025	17/12/2025	17/12/2025	17/12/2025

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report