envirolab
Hattersley Science & Technology Park
Stockport Road, Hattersley, SK14 3QU

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/04052
Issue Number: 1 **Date:** 25 April, 2025

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

Project Manager: Enquires/Owain Davies
Project Name: Chapel Street, Levemshulme
Project Ref: N/A
Order No: 25/158
Date Samples Received: 17/04/25
Date Instructions Received: 17/04/25
Date Analysis Completed: 25/04/25

Approved by:

[redacted]

Richard Wong
Client Manager

Envirolab Job Number: 25/04052

Client Project Name: Chapel Street, Levemshulme

Client Project Ref: N/A

Lab Sample ID	25/04052/1							Units	Limit of Detection	Method ref
Client Sample No	5062401									
Client Sample ID	Sample 1									
Depth to Top										
Depth To Bottom										
Date Sampled	14-Apr-25									
Sample Type	SOIL - B									
Sample Matrix Code	6AE									
% Stones >10mm$_A$	<0.1							% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	6.98							pH	0.01	A-T-031s
Organic Matter$_D$$^{M\#}$	5.99							% w/w	0.14	A-T-032s
Arsenic$_D$$^{M\#}$	7							mg/kg	1	A-T-024s
Barium$_D$$^{\#}$	71							mg/kg	3	A-T-024s
Beryllium$_D$	<0.5							mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$$^{M\#}$	<1.0							mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.5							mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	28							mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	14							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-040s
Chromium (trivalent)	14							mg/kg	1	Calc
Lead$_D$$^{M\#}$	98							mg/kg	1	A-T-024s
Mercury$_D$	<0.17							mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	11							mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	18							mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	49							mg/kg	1	A-T-024s

Envirolab Job Number: 25/04052

Client Project Name: Chapel Street, Levemshulme

Client Project Ref: N/A

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Client Sample No	5062401									
Client Sample ID	Sample 1									
Depth to Top										
Depth To Bottom										
Date Sampled	14-Apr-25									
Sample Type	SOIL - B									
Sample Matrix Code	6AE									
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD									A-T-045
Asbestos Matrix (visual)$_{D}$	-									A-T-045
Asbestos Matrix (microscope)$_{D}$	-									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A									A-T-045

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Client Project Ref: N/A

Lab Sample ID	25/04052/1							Units	Limit of Detection	Method ref
Client Sample No	5062401									
Client Sample ID	Sample 1									
Depth to Top										
Depth To Bottom										
Date Sampled	14-Apr-25									
Sample Type	SOIL - B									
Sample Matrix Code	6AE									
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.01							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.13							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.13							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.17							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.08							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.16							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.32							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.08							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.13							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.28							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	1.49							mg/kg	0.01	A-T-019s

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Client Project Ref: N/A

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Client Sample No	5062401									
Client Sample ID	Sample 1									
Depth to Top										
Depth To Bottom										
Date Sampled	14-Apr-25									
Sample Type	SOIL - B									
Sample Matrix Code	6AE									
TPH CWG with Clean Up										
Ali >C5-C6$_A$	<0.01							mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$	<0.01							mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1							mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	1							mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	13							mg/kg	1	A-T-055s
Total Aliphatics$_A$	14							mg/kg	1	Calc-As Recd
Aro >C5-C7$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1							mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1							mg/kg	1	A-T-055s
Aro >C12-C16$_A$	1							mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	5							mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	17							mg/kg	1	A-T-055s
Total Aromatics$_A$	24							mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35)$_A$	38							mg/kg	1	Calc-As Recd
BTEX - Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s

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 "^"	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.
Quantification: Generally a 2 stage process including visual identification, hand picking and weighing, and fibre counting. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres). "TRACE" will be reported as a quantification result.
PLEASE INFORM THE LABORATORY IF YOU WOULD LIKE THE STAGE 3 SEDIMENTATION PROCESS CARRIED OUT. Note this will be subcontracted.

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 @ 25^0C / 11550µS/cm @ 20^0C 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: Chapel Street, Levemshulme

Clients Project No: N/A

Project No: 25/04052

Date Received: 17/04/2025 (am)

Cool Box Temperatures (°C): 13.9

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	25/04052/1
Client Sample No	5062401
Client Sample ID/Depth	Sample 1
Date Sampled	14/04/25
A-T-019s	23/04/2025
A-T-022s	23/04/2025
A-T-024s	24/04/2025
A-T-027s	23/04/2025
A-T-031s	24/04/2025
A-T-032s	25/04/2025
A-T-040s	24/04/2025
A-T-044	24/04/2025
A-T-045	22/04/2025
A-T-055s	23/04/2025
Calc	24/04/2025
Calc-As Recd	23/04/2025

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