

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 23/07864
Issue Number: 1

Date: 16 August, 2023

Client: Chartrange Ltd
Wharf Street
Dukinfield
Cheshire
SK16 4NJ

Project Manager: Paul Brady
Project Name: Rochadale Road
Project Ref: Not specified
Order No: CR/036/42896
Date Samples Received: 04/08/23
Date Instructions Received: 07/08/23
Date Analysis Completed: 16/08/23

Approved by:



Richard Wong
Client Manager

Envirolab Job Number: 23/07864

Client Project Name: Rochadale Road

Client Project Ref: Not specified

Lab Sample ID	23/07864/1	23/07864/2	23/07864/3	23/07864/4	23/07864/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP109 NF	TP109 EF	TP109 WF	TP109 SF	TP109 Base					
Depth to Top										
Depth To Bottom										
Date Sampled										
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL					
Sample Matrix Code	4AE	4ABE	4ABE	4ABE	4AE					
% Stones >10mm _A	34.2	16.9	13.9	8.3	18.3			% w/w	0.1	A-T-044

Envirolab Job Number: 23/07864

Client Project Name: Rochadale Road

Client Project Ref: Not specified

Lab Sample ID	23/07864/1	23/07864/2	23/07864/3	23/07864/4	23/07864/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP109 NF	TP109 EF	TP109 WF	TP109 SF	TP109 Base					
Depth to Top										
Depth To Bottom										
Date Sampled										
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL					
Sample Matrix Code	4AE	4ABE	4ABE	4ABE	4AE					
PAH-16MS										
Acenaphthene _A ^{M#}	0.52	0.56	0.24	0.19	0.32			mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	0.09	0.17	0.08	0.03	0.07			mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	0.74	1.08	0.47	0.34	0.60			mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	1.25	1.95	1.49	0.60	0.84			mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	1.05	1.65	1.56	0.57	0.66			mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	1.20	1.92	1.75	0.58	0.68			mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	0.65	0.89	0.83	0.28	0.27			mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.51	0.76	0.71	0.25	0.30			mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	1.42	2.03	1.63	0.73	0.90			mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A	0.15	0.22	0.20	0.06	0.07			mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	2.83	4.56	2.61	1.43	2.23			mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	0.47	0.63	0.23	0.17	0.40			mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.80	1.08	1.12	0.34	0.34			mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	0.54	0.83	0.26	0.26	0.46			mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	2.90	4.74	1.84	1.55	2.80			mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	2.50	4.17	2.59	1.35	2.04			mg/kg	0.07	A-T-019s
Total PAH-16MS _A	17.6	27.2	17.6	8.73	13			mg/kg	0.01	A-T-019s

Report Notes

General

This report shall not be reproduced, except in full, without written approval from Envirolab.
 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 **six 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.
 The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client.
 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.

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 “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
N/A	Not applicable

Asbestos

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
 Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing, and fibre counting by sedimentation/phase contrast optical microscopy if required. 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) quantification by sedimentation is performed. 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.

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 accreditation range and as such are unaccredited.

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

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Chartrange Ltd, Wharf Street, Dukinfield, Cheshire, SK16 4NJ

Project No: 23/07864

Project: Rochadale Road

Date Received: 07/08/2023 (am)

Clients Project No:

Cool Box Temperatures (°C): 19.2

Lab Sample ID	23/07864/1	23/07864/2	23/07864/3	23/07864/4	23/07864/5
Client Sample No					
Client Sample ID/Depth	TP109 NF	TP109 EF	TP109 WF	TP109 SF	TP109 Base
Date Sampled					
Deviation Code					
E (no date)	✓	✓	✓	✓	✓

Key

E (no date) No sampling date provided (all results affected if not provided)

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	23/07864/1	23/07864/2	23/07864/3	23/07864/4	23/07864/5
Client Sample No					
Client Sample ID/Depth	TP109 NF	TP109 EF	TP109 WF	TP109 SF	TP109 Base
Date Sampled					
A-T-019s	16/08/2023	16/08/2023	16/08/2023	16/08/2023	16/08/2023
A-T-044	10/08/2023	10/08/2023	10/08/2023	10/08/2023	10/08/2023

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