

Envirolab Job Number: 19/07581

Client Project Name: Lampwick, Manchester

Client Project Ref: C0272

Lab Sample ID	19/07581/1	19/07581/2	19/07581/3	19/07581/4	19/07581/5	19/07581/6	19/07581/7	Units	Limit of Detection	Method ref
Client Sample No	Area 1	Area 1	Area 10A	Area 10A	Area 4	Area 5	Area 5			
Client Sample ID	Sample 1	Sample 2	Sample 1	Sample 2	Sample 1	Sample 1	Sample 2			
Depth to Top	1.00	2.00	1.70	2.10	1.50	1.00	2.00			
Depth To Bottom										
Date Sampled	08-Aug-19	08-Aug-19	08-Aug-19	08-Aug-19	08-Aug-19	08-Aug-19	08-Aug-19			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4ABE	4AE	4AE	4AE	4ABE	6AE			
Asbestos in Soil (inc. matrix)										
Asbestos In soil ⁸	Amosite	NAD	Chrysotile	Chrysotile	NAD	NAD	NAD			A-T-045
Asbestos Matrix (microscope) ⁹	Board	-	Loose Insulation	Loose Fibres	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	No	N/A	N/A	N/A	N/A	N/A	N/A			

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Lab Sample ID	19/07581/8								
Client Sample No	Area 5								
Client Sample ID	Sample 3								
Depth to Top	1.10								
Depth To Bottom									
Date Sampled	08-Aug-19								
Sample Type	Soil - ES								
Sample Matrix Code	4ABE								
							Units	Limit of Detection	Method ref
% Moisture at <40C _A	14.5						% w/w	0.1	A-T-044
% Stones >10mm _A	<0.1						% w/w	0.1	A-T-044
pH ₀ ^{MS}	8.63						pH	0.01	A-T-031s
Cyanide (total) _A ^{MS}	<1						mg/kg	1	A-T-042aTCN
Phenols - Total by HPLC _A	<0.2						mg/kg	0.2	A-T-050s
Arsenic ₀ ^{MS}	9						mg/kg	1	A-T-024s
Beryllium ₀ ⁹	0.8						mg/kg	0.5	A-T-024s
Boron (water soluble) ₀ ^{MS}	1.1						mg/kg	1	A-T-027s
Cadmium ₀ ^{MS}	1.2						mg/kg	0.5	A-T-024s
Copper ₀ ^{MS}	47						mg/kg	1	A-T-024s
Chromium ₀ ^{MS}	18						mg/kg	1	A-T-024s
Chromium (hexavalent) ₀	<1						mg/kg	1	A-T-040s
Lead ₀ ^{MS}	140						mg/kg	1	A-T-024s
Mercury ₀	0.28						mg/kg	0.17	A-T-024s
Nickel ₀ ^{MS}	19						mg/kg	1	A-T-024s
Selenium ₀ ^{MS}	1						mg/kg	1	A-T-024s
Vanadium ₀ ^{MS}	30						mg/kg	1	A-T-024s
Zinc ₀ ^{MS}	374						mg/kg	5	A-T-024s
TPH total (>C6-C40) _A ^{MS}	1000						mg/kg	10	A-T-007s

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Depth to Top	1.10									
Depth To Bottom										
Date Sampled	08-Aug-19									
Sample Type	Soil - ES									
Sample Matrix Code	4ABE									
Asbestos in Soil (inc. matrix)										
Asbestos in soil ⁸	NAD									A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A									

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 with the same delivery, will be disposed of six weeks after 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 the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples 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.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

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 analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

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.

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.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.