



Remediation Verification Report
Windy Arbor Brow, Whiston, Prescott, L35 1RB



Report Reference: SES41704/VR

Revision number: 1

Report status: Issue

Date: August 2026

Issued by: Swan Environmental Services Ltd
Unit 9
Normanton Business Park
Normanton
West Yorkshire
WF6 1QT

Client: Vistry Merseyside and Cheshire West

Contact: Ben Canning

This report has been prepared by Swan Environmental Services (SES) Limited with all reasonable skill, care and diligence, and taking account of the manpower and resources devoted to it by agreement with the client.

This report has been prepared for the sole use of Vistry Merseyside and Cheshire West (Vistry). The report may not be relied on by any other party without written agreement from SES. Any such party relies upon the report at their risk.

Unless otherwise stated, the information provided by any third parties has not been independently verified by SES. SES disclaims any responsibility to the Client, and others, in respect of any matters outside the agreed scope of the work.

© This report is the copyright of Swan Environmental Services Ltd.

Revision history				
Revision No	Date	Revision detail	By	Competency
1	31/07/2026	Issue	A. Walton	BSc. (Ind)

Quality Assurance		
Date	Checked by	Position
03/08/2026	A. Bradley	Principal Engineer
Date	Approved By	Position
03/08/2026	P. Clarke	Director

Table of Contents

1.0	Introduction	1
1.1	Context and Objectives	1
2.0	Site Description and validation	2
2.1	General	2
2.2	Soil Validation	2
2.3	Unforeseen Contamination	3
3.0	CONCLUSIONS	6
3.1	General	6
4.0	Closure	7

TABLES

Table 1	Topsoil and Subsoil Thicknesses of all Plots and POS
Table 2	Assessment of Laboratory Testing

APPENDICES

Appendix A	Site Location Plan
Appendix B	Quinn Developments NW - Chemical Laboratory Results
Appendix C	Proposed Site Layout
Appendix D	Chemical Laboratory Results
Appendix E	Photographs of Validation pits

1.0 INTRODUCTION

1.1 Context and Objectives

SES was commissioned by Vistry to undertake verification of the remedial works at Windy Arbor Brow, Whiston, Prescot, L35 1RB. A Site Location Plan is presented as Appendix A.

The overall aim of the works was to:

- Validate the soils used in the gardens and soft landscaping areas to determine whether the soils meet the requirements of the Remediation Strategy (RS) Revision 3, produced by Swan Environmental. This report compiles the findings of three interim reports issued to Vistry between February and April 2026.
- Confirm whether any areas of gross contamination or soils which differ from those encountered in the site investigations were identified on site.

2.0 SITE DESCRIPTION AND VALIDATION

2.1 General

The site is a housing development, and the SES engineer attended site to validate the capping in the residential gardens in plots 1-29 and Public Open Space (POS) areas for Plots 30-43 as shown on the Proposed Site Layout in Appendix C.

2.2 Soil Validation

SES attended site on the 26th of January, 27th of February and 19th of March 2026 to sample capping materials from residential gardens in plots 1-29 and POS areas for Plots 30-43 and to measure the depth of capping, which is required to be a minimum 600mm where made ground soils are still present in line with the RS.

The topsoil materials were imported from a nearby development off Lickers Lane, Whiston currently operated by Vistry Homes. Additional validation testing of soils prior to importation were provided by the client's engineers (Quinn Developments NW) and are included in Appendix B.

Across site a number of hand-dug pits were excavated to prove if the required thickness of capping had been placed. The pits were excavated to a depth of 600mm at each location.

In accordance with the RS the topsoil at each plot should be at least 150mm thick with a combined thickness of both the topsoil and subsoil being at least 600mm thick. Topsoil was generally described as dark brown slightly gravelly sandy silt.

Subsoil was generally described as reddish brown gravelly sandy clay with low cobble content. Gravel is fine to coarse and angular of brick. Cobbles are angular of brick and concrete.

Photographs of selected excavated plots are presented in Appendix E.

Table 1 shows the thicknesses of subsoil and topsoil observed across site.

Table 1 – Topsoil and Subsoil Thicknesses at each Plot			
Plot Number	Topsoil Thickness (mm)	Subsoil Thickness (mm)	Total Cover Thickness (mm)
Plot 1	190	410	600
Plot 2	210	390	600
Plot 3	280	320	600
Plot 4	310	290	600
Plot 5	320	280	600
Plot 6	350	250	600
Plot 7	240	270	510*
Plot 8	290	260	500*
Plot 9	260	340	600
Plot 10	320	280	600
Plot 11	400	200	600
Plot 12	330	270	600

Table 1 – Topsoil and Subsoil Thicknesses at each Plot			
Plot Number	Topsoil Thickness (mm)	Subsoil Thickness (mm)	Total Cover Thickness (mm)
Plot 13	300	300	600
Plot 14	220	380	600
Plot 15	240	360	600
Plot 16	270	330	600
Plot 17	280	320	600
Plot 18	250	350	600
Plot 19	280	320	600
Plot 20	260	340	600
Plot 21	190	410	600
Plot 22	600	0	600
Plot 23	600	0	600
Plot 24	600	0	600
Plot 25	600	0	600
Plot 26	600	0	600
Plot 27	600	0	600
Plot 28	600	0	600
Plot 29	600	0	600
POS 1	600	0	600
POS 2	600	0	600
POS 3	600	0	600

Soil samples were collected from various locations and depths across site. The samples were submitted for chemical analysis at a UKAS accredited laboratory. CTS Ltd of Leicester undertook the analytical work, the results of which are included in Appendix D. Table 2 shows the comparison of this testing with the requirements set out in the RS.

2.3 Unforeseen Contamination

During the groundworks, no areas of gross contamination or soils which differ from those encountered in the site investigations were identified to have been exposed. Based on this the agreed remedial methods were considered to be suitable for the development.

Table 2 – Assessment of Laboratory Testing

Determinand	Units	GAC With plant	GAC Without plant	GAC Source	n	[mc]	Location	Primary Pathways	Assessment
Inorganics									
Arsenic	mg/kg	37	40	(i)	2	18	N/A	1	No further action.
Cadmium	mg/kg	11	85	(i)		4.5		1, 2	
Chromium (VI)*	mg/kg	6	6	(i)		1.8		1, 2, 3	
Lead	mg/kg	200	310	(iv)		170		1, 2	
Mercury [Inorganic]	mg/kg	40	56	(i)		<2.5		1, 2	
Nickel	mg/kg	180	180	(i)		49		1	
Selenium	mg/kg	250	430	(i)		<8.0		1, 2	
Copper	mg/kg	2,400	7100	(i)		410		1, 2	
Zinc	mg/kg	3,700	40000	(i)		1100		1, 2	
Asbestos	-	D	D	-		NAD		3	
Organics – PAHs and Phenol									
Naphthalene	mg/kg	2.3	2.3	(ii)	2	0.07	N/A	4	No further action.
Acenaphthylene	mg/kg	170	2900	(ii)		<0.02		2	
Acenaphthene	mg/kg	210	3000	(ii)		<0.09		2	
Fluorene	mg/kg	170	2800	(ii)		0.08		2	
Phenanthrene	mg/kg	95	1300	(ii)		1.4		2	
Anthracene	mg/kg	2400	31000	(ii)		0.46		2	
Fluoranthene	mg/kg	280	1500	(ii)		3.5		1, 2	
Pyrene	mg/kg	620	3700	(ii)		3.2		1, 2	
Benzo(a) Anthracene	mg/kg	7.2	11	(ii)		1.7		1	
Chrysene	mg/kg	15	30	(ii)		1.5		1	
Benzo(b) Fluoranthene	mg/kg	2.6	3.9	(ii)		1.5		1	
Benzo(k) Fluoranthene	mg/kg	77	110	(ii)		0.67		1	
Benzo(a)Pyrene	mg/kg	2.2	3.2	(ii)		1.5		1	
Indeno (123-cd) Pyrene	mg/kg	27	45	(ii)		0.87		1	
Dibenzo(a,h) Anthracene	mg/kg	0.24	0.31	(ii)		0.06		1	
Benzo(ghi) Perylene	mg/kg	320	360	(ii)		0.84		1	
Organics – TPHs Aromatic									
VPH C5-C7	mg/kg	70	370	(iii)	2	<0.01	N/A	4	No further action.
VPH C7-C8	mg/kg	130	860	(iii)		0.29		4	
VPH C8-C10	mg/kg	34	47	(iii)		<0.06		4	
EPH C10-C12	mg/kg	74	250	(iii)		<1.0		4	
EPH C12-C16	mg/kg	140	1800	(iii)		6.3		1, 4	
EPH C16-C21	mg/kg	260	1900	(iii)		71		1	
EPH C21-C35	mg/kg	1100	1900	(iii)		140		1	
EPH C35-C44	mg/kg	1100	1900	(iii)		89		1	
Organics – TPHs Aliphatic									
VPH C5-C6	mg/kg	42	42	(iii)	2	<0.06	N/A	4	No further action.
VPH C6-C8	mg/kg	100	100	(iii)		0.32		4	
VPH C8-C10	mg/kg	27	27	(iii)		<0.06		4	
EPH C10-C12	mg/kg	130	130	(iii)		1.7		4	
EPH C12-C16	mg/kg	1100	1100	(iii)		5.1		1, 4	
EPH C16-C35	mg/kg	65000	65000	(iii)		80		1	
EPH C35-C44	mg/kg	65000	65000	(iii)		89		1	

Key for Table 1

[mc] Maximum Concentration Recorded
D. Detected
N.D. None Detected (Limit of Detection = <0.0001%)

Primary Pathways

- 1 Ingestion of soil and indoor dust and / or oral background exposure;
- 2 Consumption of home-grown produce and attached soil;
- 3 Inhalation of dust (background and indoor);
- 4 Inhalation of vapour (background and indoor);

Generic Assessment Criteria (GAC) Source

- (i) LQM/CIEH Suitable For Use Level (S4UL) (2015);
- (ii) S4UL – Conservative Assessment Approach of 1% SOM;
- (iii) S4UL –1% SOM and assumed worst case aliphatic / aromatic compound;
- (iv) Defra Category 4 Screening Level (2014);
- (v) CLEA 1.06 Derived Value.
- (vi) EA Values

3.0 CONCLUSIONS

3.1 General

It is evident from the validation exercise that all residential plots 1-29 and POS areas for Plots 30-43 contained a suitable thickness of capping material in line with the RS and the imported materials are chemically suitable for the proposed end use.

4.0 CLOSURE

This report has been prepared by SES with all reasonable skill, care and diligence.

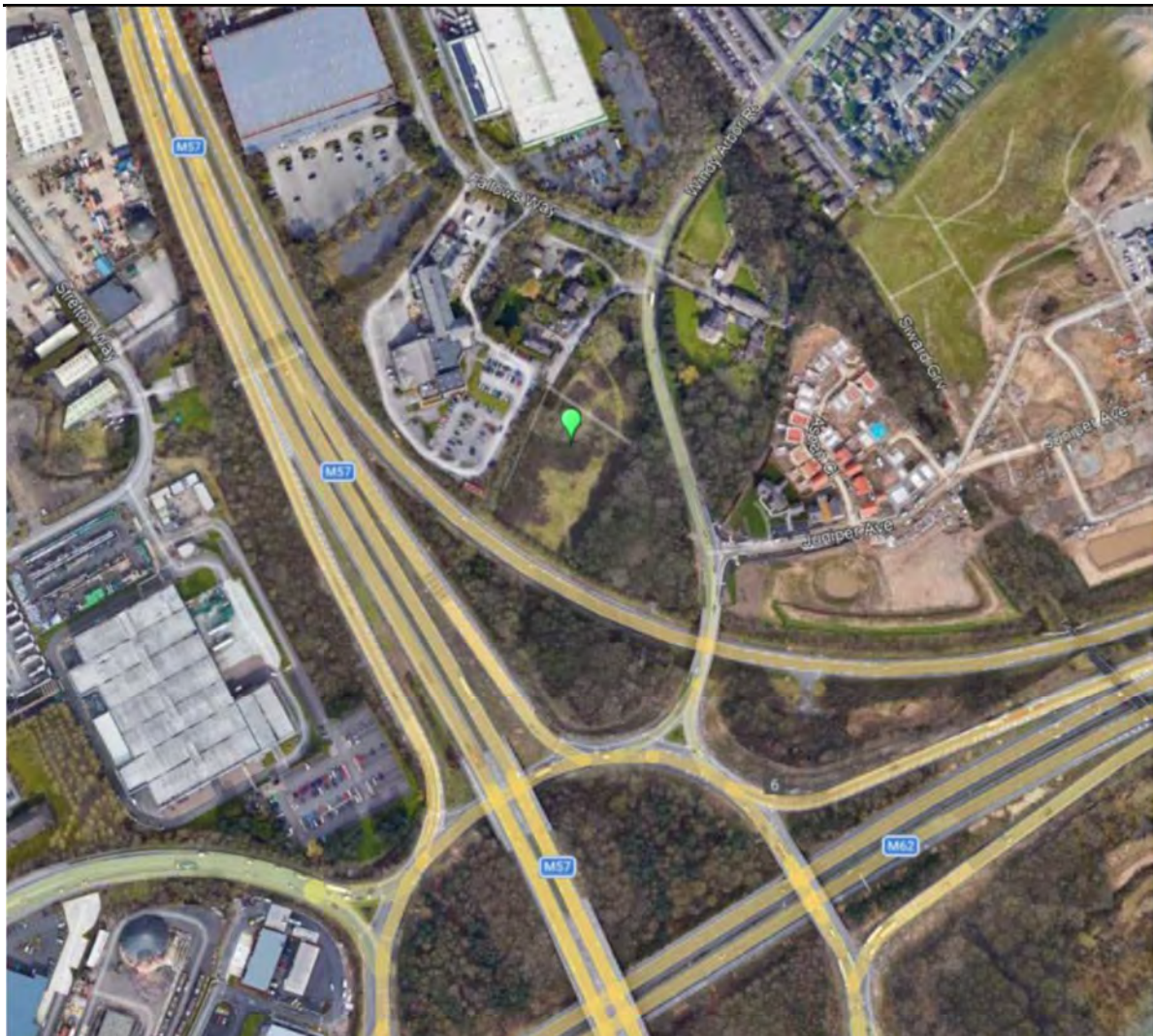
This report should be used for information purposes only and should not be construed as a comprehensive characterisation of all site conditions.

This report is based on some third party and publicly available information. SES does not and cannot guarantee the authenticity of this information.

This report is for the exclusive use of Vistry Merseyside and Cheshire West; no warranties or guarantees are expressed or should be inferred by any third parties. Any such party relies upon the report at their risk.

SES disclaims any responsibility to the client and others in respect of any matters outside the agreed scope of the work.

APPENDIX A – SITE LOCATION



APPENDIX B – QUINN DEVELOPMENTS NW - CHEMICAL LABORATORY RESULTS

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 26/00710
Issue Number: 1 S1
Date: 30 January, 2026

Client: Quinn Developments NW
30 Lees road
Liverpool
Mersersyde
L33 7SE

Project Manager: Phil Sales
Project Name: Windy Arbour
Project Ref: 20081
Order No: QD/20081/28592
Date Samples Received: 22/01/26
Date Instructions Received: 22/01/26
Date Analysis Completed: 29/01/26

Approved by:

Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 26/00710

Client Project Name: Windy Arbour

Client Project Ref: 20081

Lab Sample ID	26/00710/1	26/00710/2	26/00710/3	26/00710/4	26/00710/5	26/00710/6		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TS01	TS02	TS03	TS04	TS05	TS06				
Depth to Top										
Depth To Bottom										
Date Sampled	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AE	4AE	4E	4E	4AE	4E				
% Moisture at <40C _A	16.9	18.2	19.0	17.9	18.6	17.8		% w/w	0.1	A-T-044
Dry Matter (Dry Solids) at 105C	78.0	76.2	81.5	70.6	71.5	76.8		% w/w	0.1	Calc-no stones
% Stones >10mm _A	<0.1	1.0	1.8	<0.1	<0.1	<0.1		% w/w	0.1	A-T-044
pH _D ^{M#}	7.24	7.21	7.20	7.06	7.54	6.99		pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	<0.01	0.03	<0.01	<0.01	0.05	<0.01		g/l	0.01	A-T-026s
Sulphate (acid soluble) _D ^{M#}	340	350	310	310	450	350		mg/kg	200	A-T-028s
Cyanide (free) _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-042sFCN
Cyanide (total) _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2		mg/kg	0.2	A-T-050s
Sulphur (elemental) _D ^{M#}	6	<5	<5	8	<5	<5		mg/kg	5	A-T-029s
Organic Matter _D ^{M#}	3.06	2.47	5.39	2.66	3.29	4.92		% w/w	0.14	A-T-032s
Antimony _D	<5	<5	<5	<5	<5	<5		mg/kg	5	A-T-024s
Arsenic _D ^{M#}	7	7	7	7	6	7		mg/kg	1	A-T-024s
Barium _D [#]	57	61	58	57	60	60		mg/kg	3	A-T-024s
Beryllium _D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		mg/kg	0.5	A-T-024s
Boron (water soluble) _D ^{M#}	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		mg/kg	1	A-T-027s
Cadmium _D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		mg/kg	1	A-T-024s
Copper _D ^{M#}	40	39	37	38	39	40		mg/kg	1	A-T-024s
Chromium _D ^{M#}	13	11	11	11	11	14		mg/kg	1	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-040s
Lead _D ^{M#}	49	41	41	42	40	41		mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17		mg/kg	0.17	A-T-024s
Molybdenum _D ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-024s
Nickel _D ^{M#}	9	10	10	10	10	10		mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-024s
Vanadium _D ^{M#}	14	14	14	14	15	16		mg/kg	1	A-T-024s
Zinc _D ^{M#}	45	49	44	46	56	65		mg/kg	1	A-T-024s

Envirolab Job Number: 26/00710

Client Project Name: Windy Arbour

Client Project Ref: 20081

Lab Sample ID	26/00710/1	26/00710/2	26/00710/3	26/00710/4	26/00710/5	26/00710/6		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TS01	TS02	TS03	TS04	TS05	TS06				
Depth to Top										
Depth To Bottom										
Date Sampled	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AE	4AE	4E	4E	4AE	4E				
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	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	N/A	N/A	N/A	N/A	N/A				A-T-045

Envirolab Job Number: 26/00710

Client Project Name: Windy Arbour

Client Project Ref: 20081

Lab Sample ID	26/00710/1	26/00710/2	26/00710/3	26/00710/4	26/00710/5	26/00710/6		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TS01	TS02	TS03	TS04	TS05	TS06				
Depth to Top										
Depth To Bottom										
Date Sampled	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AE	4AE	4E	4E	4AE	4E				
PAH-16MS										
Acenaphthene _A ^{M#}	0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	<0.01 ^U	<0.01 ^U	<0.01 ^U	<0.01 ^U	<0.01 ^U	<0.01 ^U		mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	0.10	<0.04	<0.04	0.09	<0.04	<0.04		mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	0.07	<0.04	<0.04	0.06	<0.04	<0.04		mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	0.11	0.07	0.06	0.10	0.07	0.06		mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07		mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	0.10	<0.06	<0.06	0.07	<0.06	<0.06		mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04		mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	0.17	<0.08	<0.08	0.16	<0.08	<0.08		mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.05	<0.03	<0.03	0.04	<0.03	<0.03		mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	0.10	0.04	<0.03	0.09	0.04	0.06		mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	0.13	<0.07	<0.07	0.12	<0.07	<0.07		mg/kg	0.07	A-T-019s
Total PAH-16MS_A^{M#}	0.85	0.11	<0.08	0.73	0.11	0.12		mg/kg	0.01	A-T-019s

Envirolab Job Number: 26/00710

Client Project Name: Windy Arbour

Client Project Ref: 20081

Lab Sample ID	26/00710/1	26/00710/2	26/00710/3	26/00710/4	26/00710/5	26/00710/6		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TS01	TS02	TS03	TS04	TS05	TS06				
Depth to Top										
Depth To Bottom										
Date Sampled	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4AE	4AE	4E	4E	4AE	4E				
TPH UKCWG with Clean Up										
Ali >C5-C6 _A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Ali >C6-C8 _A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	6	4	4	4	9	4		mg/kg	1	A-T-055s
Ali >C35-C44 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Total Aliphatics _A	6	4	4	4	9	4		mg/kg	1	Calc-As Recd
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	0.02	0.01	0.13	<0.01	0.01	0.01		mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C10-C12 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C12-C16 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	2	2	2	1	2	1		mg/kg	1	A-T-055s
Aro >C35-C44 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Total Aromatics _A	2	2	2	1	2	1		mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C44) _A	8	6	6	5	11	5		mg/kg	1	Calc-As Recd
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	0.02	0.01	0.13	<0.01	0.01	0.01		mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<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 “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: Quinn Developments NW, 30 Lees road, Liverpool, Merseryside , L33 7SE

Project No: 26/00710

Project: Windy Arbour

Date Received: 22/01/2026 (pm)

Clients Project No: 20081

Cool Box Temperatures (°C): 9.7, 11.9

NO DEVIATIONS IDENTIFIED with respect to sampling dates or containers received.

Note: 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 (for water samples $5 \pm 3^{\circ}\text{C}$), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	26/00710/1	26/00710/2	26/00710/3	26/00710/4	26/00710/5	26/00710/6
Client Sample No						
Client Sample ID/Depth	TS01	TS02	TS03	TS04	TS05	TS06
Date Sampled	21/01/26	21/01/26	21/01/26	21/01/26	21/01/26	21/01/26
A-T-019s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-022s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-024s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-026s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-027s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-028s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-029s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-031s	29/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026
A-T-032s	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026
A-T-040s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-042sFCN	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-042sTCN	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-044	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026
A-T-045	23/01/2026	23/01/2026	23/01/2026	23/01/2026	23/01/2026	23/01/2026
A-T-050s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-055s	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026
Calc-As Recd	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026
Calc-no stones	23/01/2026	23/01/2026	23/01/2026	23/01/2026	23/01/2026	23/01/2026

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

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 26/00710
Issue Number: 1 S2
Date: 30 January, 2026

Client: Quinn Developments NW
30 Lees road
Liverpool
Mersersyde
L33 7SE

Project Manager: Phil Sales
Project Name: Windy Arbour
Project Ref: 20081
Order No: QD/20081/28592
Date Samples Received: 22/01/26
Date Instructions Received: 22/01/26
Date Analysis Completed: 29/01/26

Approved by:

Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 26/00710

Client Project Name: Windy Arbour

Client Project Ref: 20081

Lab Sample ID	26/00710/7	26/00710/8	26/00710/9	26/00710/10	26/00710/11	26/00710/12		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SS01	SS02	SS03	SS04	SS05	SS06				
Depth to Top										
Depth To Bottom										
Date Sampled	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4E	4E	4E	4E	4E	4AE				
% Moisture at <40C _A	19.0	18.1	19.1	19.7	18.4	19.0		% w/w	0.1	A-T-044
Dry Matter (Dry Solids) at 105C	69.6	74.2	75.4	68.5	72.8	72.4		% w/w	0.1	Calc-no stones
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	<0.1	2.6		% w/w	0.1	A-T-044
pH _D ^{M#}	7.20	7.10	7.02	7.06	7.25	7.49		pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01	0.07		g/l	0.01	A-T-026s
Sulphate (acid soluble) _D ^{M#}	340	320	360	320	310	400		mg/kg	200	A-T-028s
Cyanide (free) _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-042sFCN
Cyanide (total) _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2	<0.2	0.2	<0.2		mg/kg	0.2	A-T-050s
Sulphur (elemental) _D ^{M#}	<5	<5	20	5	<5	<5		mg/kg	5	A-T-029s
Organic Matter _D ^{M#}	5.00	2.16	3.84	2.14	1.81	3.28		% w/w	0.14	A-T-032s
Antimony _D	<5	<5	<5	<5	<5	<5		mg/kg	5	A-T-024s
Arsenic _D ^{M#}	7	7	7	7	7	6		mg/kg	1	A-T-024s
Barium _D [#]	61	60	75	61	63	61		mg/kg	3	A-T-024s
Beryllium _D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		mg/kg	0.5	A-T-024s
Boron (water soluble) _D ^{M#}	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		mg/kg	1	A-T-027s
Cadmium _D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		mg/kg	1	A-T-024s
Copper _D ^{M#}	38	39	55	38	38	40		mg/kg	1	A-T-024s
Chromium _D ^{M#}	11	11	14	11	11	12		mg/kg	1	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-040s
Lead _D ^{M#}	42	40	45	42	40	40		mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17		mg/kg	0.17	A-T-024s
Molybdenum _D ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-024s
Nickel _D ^{M#}	10	10	11	9	9	10		mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-024s
Vanadium _D ^{M#}	14	14	14	14	14	14		mg/kg	1	A-T-024s
Zinc _D ^{M#}	47	46	56	44	44	71		mg/kg	1	A-T-024s

Envirolab Job Number: 26/00710

Client Project Name: Windy Arbour

Client Project Ref: 20081

Lab Sample ID	26/00710/7	26/00710/8	26/00710/9	26/00710/10	26/00710/11	26/00710/12		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SS01	SS02	SS03	SS04	SS05	SS06				
Depth to Top										
Depth To Bottom										
Date Sampled	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4E	4E	4E	4E	4E	4AE				
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	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	N/A	N/A	N/A	N/A	N/A				A-T-045

Envirolab Job Number: 26/00710

Client Project Name: Windy Arbour

Client Project Ref: 20081

Lab Sample ID	26/00710/7	26/00710/8	26/00710/9	26/00710/10	26/00710/11	26/00710/12		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SS01	SS02	SS03	SS04	SS05	SS06				
Depth to Top										
Depth To Bottom										
Date Sampled	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4E	4E	4E	4E	4E	4AE				
PAH-16MS										
Acenaphthene _A ^{M#}	0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	<0.01 ^U	<0.01 ^U	<0.01 ^U	<0.01 ^U	<0.01 ^U	<0.01 ^U		mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	0.09	<0.04	0.05	<0.04	0.05	<0.04		mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	0.07	<0.04	<0.04	0.06	<0.04	<0.04		mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	0.11	<0.05	0.07	0.10	0.07	0.07		mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07		mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	0.09	<0.06	<0.06	<0.06	<0.06	<0.06		mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04		mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	0.16	<0.08	<0.08	<0.08	<0.08	<0.08		mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.05	<0.03	<0.03	0.05	<0.03	<0.03		mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	0.09	<0.03	0.06	0.04	0.05	0.05		mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	0.12	<0.07	<0.07	<0.07	<0.07	<0.07		mg/kg	0.07	A-T-019s
Total PAH-16MS_A^{M#}	0.79	<0.08	0.18	0.25	0.17	0.12		mg/kg	0.01	A-T-019s

Envirolab Job Number: 26/00710

Client Project Name: Windy Arbour

Client Project Ref: 20081

Lab Sample ID	26/00710/7	26/00710/8	26/00710/9	26/00710/10	26/00710/11	26/00710/12		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SS01	SS02	SS03	SS04	SS05	SS06				
Depth to Top										
Depth To Bottom										
Date Sampled	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26	21-Jan-26				
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES				
Sample Matrix Code	4E	4E	4E	4E	4E	4AE				
TPH UKCWG with Clean Up										
Ali >C5-C6 _A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Ali >C6-C8 _A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	4	4	5	5	4	4		mg/kg	1	A-T-055s
Ali >C35-C44 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Total Aliphatics _A	4	4	5	5	4	4		mg/kg	1	Calc-As Recd
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01	0.01	0.01	0.02	0.02	0.01		mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C10-C12 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C12-C16 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	1	1	2	2	2	2		mg/kg	1	A-T-055s
Aro >C35-C44 _A	<1	<1	<1	<1	<1	<1		mg/kg	1	A-T-055s
Total Aromatics _A	1	1	2	2	2	2		mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C44) _A	5	5	7	7	6	6		mg/kg	1	Calc-As Recd
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01	0.01	0.01	0.02	0.02	0.01		mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<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 “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: Quinn Developments NW, 30 Lees road, Liverpool, Merseryside , L33 7SE

Project No: 26/00710

Project: Windy Arbour

Date Received: 22/01/2026 (pm)

Clients Project No: 20081

Cool Box Temperatures (°C): 9.7, 11.9

NO DEVIATIONS IDENTIFIED with respect to sampling dates or containers received.

Note: 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 (for water samples $5 \pm 3^{\circ}\text{C}$), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

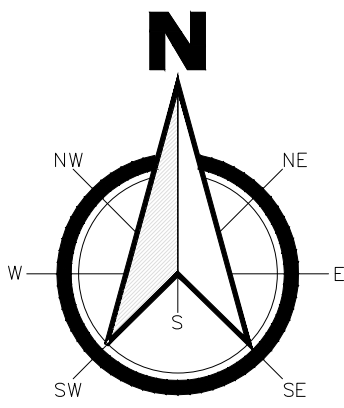
Lab Sample ID	26/00710/7	26/00710/8	26/00710/9	26/00710/10	26/00710/11	26/00710/12
Client Sample No						
Client Sample ID/Depth	SS01	SS02	SS03	SS04	SS05	SS06
Date Sampled	21/01/26	21/01/26	21/01/26	21/01/26	21/01/26	21/01/26
A-T-019s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-022s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-024s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-026s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-027s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-028s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-029s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-031s	29/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026	29/01/2026
A-T-032s	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026
A-T-040s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-042sFCN	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-042sTCN	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-044	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026
A-T-045	23/01/2026	23/01/2026	23/01/2026	23/01/2026	23/01/2026	23/01/2026
A-T-050s	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026	27/01/2026
A-T-055s	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026
Calc-As Recd	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026	28/01/2026
Calc-no stones	23/01/2026	23/01/2026	23/01/2026	23/01/2026	23/01/2026	23/01/2026

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

APPENDIX C – PROPOSED SITE LAYOUT

KEY: AFFORDABLE UNITS			
HOUSE TYPE	FLOOR AREA GROSS/NETT	UNIT No.	PLOT No.
2B3P APT 3 STOREY BLOCK	G639 SQ FT	6 No	30-43
1B2P APT 3 STOREY BLOCK	G527 SQ FT	6 No	30-43
1B2P APT 3 STOREY BLOCK	G509 SQ FT	2 No	30-43
BURNS 2B4P 800 2 STOREY SEMI-DETACHED	G800 SQ FT	2 No	30-43
BUTLER CORNER 3B5P 943 2 STOREY SEMI-DETACHED /END-TERRACE	G943 SQ FT	3 No	5,14, 21
BUTLER CORNER ALT 3B5P 943 2 STOREY DETACHED	G943 SQ FT	1 No	1
BUTLER G 3B5P 1006 2 STOREY MID-TERRACE	G1006 SQ FT	1 No	6
BUTLER 3B4P 887 2 STOREY SEMI-DETACHED /END TERRACE	G886 SQ FT	9 No	2,3,7,15,20,22-25
WHITMAN 3B5P 1090 2.5 STOREY SEMI-DETACHED	G1090 SQ FT	4 No	26-29
BYRON 4B6P 1250 2.5 STOREY SEMI-DETACHED	G1250 SQ FT	8No	8-11, 16-19
TOTAL FLOOR AREA OF UNITS = 36,726 SQ FT GROSS			
KEY: OPEN MARKET UNIT			
MILTON 4B6P DETACHED	G1824 SQ FT/ N1500 SQ FT	1No	
TOTAL UNITS		43	
TOTAL FLOOR AREA OF UNIT = 1824 SQ FT GROSS			
SITE AREA ACRES = 2.54			
GROSS SITE AREA SQ METERS = 11098			
1800X2400MM GARDEN SHED WITH BIN STORAGE ADJACENT			
VEHICLE CHARGING POINT - QUBEV SMART - 7.4kW untethered			
200 LITRE RAINWATER BUTTS TO BE PROVIDED TO EACH HOUSE			
RED LINE INDICATES APPLICATION SITE			
BLUE LINE INDICATES LAND OWNED BY HIGHWAYS AS INDICATED ON LAND REGISTRY			
ORANGE LINE INDICATES UNREGISTERED LAND AS INDICATED ON LAND REGISTRY			



Note:
Do not scale from this drawing
All contractors must visit the site and be responsible for taking and checking dimensions.
All construction information should be taken from figured dimensions only.
Any discrepancies between drawings, specifications and site conditions must be brought to the attention of the supervising officer.
This drawing is for planning purposes only. It is not intended to be used for construction purposes.



FORTH HOMES

Revisions			
ZB	03-10-23	KEY AMENDED TO INDICATE LAND OWNERSHIP	
ZA	01-08-23	CYCLE STORE AMENDED TO REAR OF APARTMENT BLOCK	
Z	14-07-23	HOUSE TYPE NAMES AND HOUSE TYPE SCHEDULE UPDATED	
Y	17-05-23	BAY WINDOW ADDED TO PLOT 4	
X	29-10-21	Red line amended to exclude Highways England land	
W	26-08-21	200L Rainwater butts added to each house, turning head altered to plots 26-29	
V	23-08-21	Rainwater butts added to each house	
U	22-07-21	Minor layout alterations in line with highways	
T	22-06-21	Plot 1 narrowed, plot 2 house type amended, landscaping altered, boundary landscaping altered	
S	13-05-21	Boundary wall to plot 1 altered in line with title plan overlay	
R	23-04-21	Boundary altered in line with title plan overlay	
QI	15-04-21	Boundary to plots 1 altered in line with title plan	
Q	23-02-21	Boundary to plots 1-14 altered	
P	17-02-21	Apartments altered	
O	01-02-21	Apartments altered	
N	27-01-21	Roads widened, driveways amended, boundary treatments amended, traffic calming added, alterations to plots	
M	07-12-20	HOUSE TYPE BLOCKS UPDATED	
L	24-11-20	Revised Layout	
K	16-10-20	Revised Layout	
J	16-10-20	Revised Layout	
No	Date	Description	

Development (Plot Number) WINDY ARBOR ROAD

Drawing Title SITE LAYOUT PLAN PLANNING DRAWING

Drawing No. 19.044 AL(-)002 Revision ZB
GROSS SITE AREA RESIDENTIAL DEVELOPMENT: 1:1 HA

Scale: 1:500 @ A1 Drawn: MAW Date: 16-10-20 Checked: -

APPENDIX D – CHEMICAL LABORATORY RESULTS



SWAN Environmental
Unit 9 Normanton Business Park
Ripley Drive
Normanton
West Yorkshire
WF6 1QT

7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Report: E26/01009/SWA - 26-03584

Your Project Reference: **Windy Arbor**

Your Order Number: 11509 Samples Received / Instructed: 28/01/2026 / 28/01/2026

Report Issue Number: 1 Sample Tested: 28/01 to 19/02/2026

Samples Analysed: 32 sample(s) Report issued: 19/02/2026

Signed

James Gane
Analytical Services Manager
CTS

Notes:

General

Please refer to Methodologies page for details pertaining to the analytical methods undertaken.

Samples will be retained for 14 days after issue of this report with the exception of the asbestos test portion which is held for 6 months unless otherwise requested.

Moisture Content was determined in accordance with CTS method statement MS - CL - Sample Prep, oven dried at <30°C.

Moisture Content is reported as a percentage of the dry mass of soil, this calculation is in accordance with BS1377, Part 2, 1990, Clause 3.2

Stone Content was determined in accordance with CTS method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.

Where specification limits are included these are for guidance only. Where a measured value has been highlighted this is not implying acceptance or failure and certainty of measurement values have not been taken into account.

Uncertainty of measurement values are available on request.

Samples were supplied by customer, results apply to the samples as received.

Asbestos

Please note: Where further analysis is required samples identified as containing asbestos are screened and tested on an as received basis. No correction is made for moisture content and other than the asbestos test(s) these results are not covered by our accreditation

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

Deviating Samples

On receipt samples are compared against our sample holding and handling protocols, where any deviations have been noted these are reported on our deviating sample page (if present)

Accreditation Key

This report shall not be reproduced except in full

UKAS = UKAS Accreditation, MCERTS = MCERTS Accreditation, u = Unaccredited, subUKAS - Subcontracted to a laboratory UKAS accredited for this test, subMCERTS - Subcontracted to a laboratory MCERTS accredited for this test

MCERTS Accreditation only covers the SAND, CLAY and LOAM matrices

UKAS accreditation on waters only covers the Ground water and Surface water matrices

Date of Issue: 27.01.26

Issued by: J. Gane

Issue No: 4

Rev No: 28

E26/01009/SWA - 26-03584

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - Windy Arbor

Analytical Test Results - Solid

Lab Reference			692853	692854	692855	692856	692857	692858
Client Sample ID			-	-	-	-	-	-
Client Sample Location			P01	P01	P02	P02	P03	P03
Client Sample Type			S	S	S	S	S	S
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.00	0.40	0.00	0.30	0.10	0.40
Depth - Bottom (m)			0.00	0.40	0.00	0.30	0.10	0.40
Date of Sampling			26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation						
Arsenic	(mg/kg)	MCERTS	14	< 10	14	< 10	14	< 10
Boron (w/s)	(mg/kg)	u	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Cadmium	(mg/kg)	MCERTS	2.3	1.7	2.1	1.7	2.1	1.4
Chromium (Total)	(mg/kg)	UKAS	9.9	16	10	13	11	14
Copper	(mg/kg)	MCERTS	92	51	81	67	85	43
Lead	(mg/kg)	MCERTS	81	40	80	58	82	27
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	47	41	27	47	27	33
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	84	70	84	87	96	48
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
pH	pH Units	MCERTS	7.2	7.4	7.4	7.4	7.3	7.8
Sulphate (Water soluble as SO ₄)	(mg/l)	u	< 10	55	38	150	49	73
Acenaphthene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.04
Acenaphthylene	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Anthracene	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	0.04	< 0.02	0.06
Benzo (a) anthracene	(mg/kg)	MCERTS	0.03	< 0.02	0.04	0.11	0.05	0.18
Benzo (a) pyrene	(mg/kg)	MCERTS	0.04	< 0.02	0.04	0.10	0.05	0.17
Benzo (b) fluoranthene	(mg/kg)	MCERTS	0.04	< 0.02	0.05	0.10	0.06	0.19
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	0.03	< 0.02	0.03	0.07	0.04	0.12
Benzo (k) fluoranthene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	0.05	< 0.02	0.08
Chrysene	(mg/kg)	MCERTS	0.04	< 0.02	0.04	0.10	0.05	0.17
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02
Fluoranthene	(mg/kg)	MCERTS	0.07	0.02	0.08	0.25	0.11	0.41
Fluorene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	0.02	< 0.02	0.02	0.07	0.04	0.12
Naphthalene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02
Phenanthrene	(mg/kg)	MCERTS	0.04	< 0.02	0.04	0.15	0.06	0.23
Pyrene	(mg/kg)	MCERTS	0.06	0.02	0.07	0.21	0.10	0.35
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	0.54	0.37	0.58	1.3	0.69	2.2
TOC	(%)	MCERTS	2.8	1.9	2.6	1.7	2.5	1.4
SOM (via TOC)	(%)	UKAS	4.7	3.2	4.5	3.0	4.4	2.4
Asbestos	-	UKAS	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

E26/01009/SWA - 26-03584

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - Windy Arbor

Analytical Test Results - Solid

Lab Reference	692859	692860	692862	692865	692866	692867
Client Sample ID	-	-	-	-	-	-
Client Sample Location	P04	P04	P05	P07	P07	P08
Client Sample Type	S	S	S	S	S	S
Client Sample Number	-	-	-	-	-	-
Depth - Top (m)	0.20	0.50	0.40	0.00	0.30	0.00
Depth - Bottom (m)	0.20	0.50	0.40	0.00	0.30	0.00
Date of Sampling	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026
Time of Sampling	-	-	-	-	-	-
Sample Matrix	Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation				
Arsenic	(mg/kg)	MCERTS	< 10	< 10	< 10	15
Boron (w/s)	(mg/kg)	u	< 2.5	< 2.5	< 2.5	< 2.5
Cadmium	(mg/kg)	MCERTS	1.6	1.8	1.6	2.1
Chromium (Total)	(mg/kg)	UKAS	8.1	16	17	12
Copper	(mg/kg)	MCERTS	62	59	39	87
Lead	(mg/kg)	MCERTS	55	40	24	80
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	29	39	47	23
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	98	61	64	93
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0
pH	pH Units	MCERTS	7.4	8.0	7.2	7.3
Sulphate (Water soluble as SO ₄)	(mg/l)	u	160	150	54	49
Acenaphthene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
Acenaphthylene	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	< 0.02
Anthracene	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	< 0.02
Benzo (a) anthracene	(mg/kg)	MCERTS	0.07	0.05	< 0.02	0.04
Benzo (a) pyrene	(mg/kg)	MCERTS	0.07	0.04	< 0.02	0.04
Benzo (b) fluoranthene	(mg/kg)	MCERTS	0.07	0.05	< 0.02	0.05
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	0.04	0.03	< 0.02	0.03
Benzo (k) fluoranthene	(mg/kg)	MCERTS	0.03	< 0.02	< 0.02	< 0.02
Chrysene	(mg/kg)	MCERTS	0.06	0.05	< 0.02	0.04
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
Fluoranthene	(mg/kg)	MCERTS	0.13	0.13	< 0.02	0.08
Fluorene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	0.05	0.03	< 0.02	0.04
Naphthalene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
Phenanthrene	(mg/kg)	MCERTS	0.07	0.08	< 0.02	0.05
Pyrene	(mg/kg)	MCERTS	0.12	0.10	< 0.02	0.08
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	0.86	0.71	< 0.32	0.61
TOC	(%)	MCERTS	2.5	1.6	0.8	2.7
SOM (via TOC)	(%)	UKAS	4.3	2.7	1.3	4.6
Asbestos	-	UKAS	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

E26/01009/SWA - 26-03584

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - Windy Arbor

Analytical Test Results - Solid

Lab Reference			692868	692869	692870	692872	692873	692876
Client Sample ID			-	-	-	-	-	-
Client Sample Location			P08	P21	P21	P20	P19	P18
Client Sample Type			S	S	S	S	S	S
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.40	0.00	0.20	0.30	0.00	0.30
Depth - Bottom (m)			0.40	0.00	0.20	0.30	0.00	0.30
Date of Sampling			26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation						
Arsenic	(mg/kg)	MCERTS	< 10	14	12	< 10	13	< 10
Boron (w/s)	(mg/kg)	u	< 2.5	< 2.5	4.5	< 2.5	< 2.5	< 2.5
Cadmium	(mg/kg)	MCERTS	1.4	2.2	4.5	1.7	2.1	1.4
Chromium (Total)	(mg/kg)	UKAS	27	13	35	12	11	10
Copper	(mg/kg)	MCERTS	24	94	410	66	100	23
Lead	(mg/kg)	MCERTS	9.7	80	170	57	77	13
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	42	24	49	28	24	31
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	47	110	1100	110	130	34
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
pH	pH Units	MCERTS	6.8	7.0	7.7	7.8	7.3	8.0
Sulphate (Water soluble as SO ₄)	(mg/l)	u	74	88	250	310	100	260
Acenaphthene	(mg/kg)	MCERTS	< 0.02	0.03	< 0.20	< 0.20	0.04	0.09
Acenaphthylene	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.20	< 0.20	< 0.02	< 0.02
Anthracene	(mg/kg)	UKAS	< 0.02	0.05	0.34	< 0.20	0.06	0.20
Benzo (a) anthracene	(mg/kg)	MCERTS	< 0.02	0.16	0.92	0.47	0.13	0.50
Benzo (a) pyrene	(mg/kg)	MCERTS	< 0.02	0.17	1.1	0.42	0.12	0.48
Benzo (b) fluoranthene	(mg/kg)	MCERTS	< 0.02	0.16	1.0	0.40	0.12	0.45
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	< 0.02	0.10	0.73	0.26	0.07	0.27
Benzo (k) fluoranthene	(mg/kg)	MCERTS	< 0.02	0.07	0.44	< 0.20	0.05	0.21
Chrysene	(mg/kg)	MCERTS	< 0.02	0.14	0.83	0.41	0.12	0.41
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.20	< 0.20	< 0.02	0.06
Fluoranthene	(mg/kg)	MCERTS	0.02	0.36	2.0	1.1	0.32	1.1
Fluorene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.20	< 0.20	0.04	0.08
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	< 0.02	0.11	0.72	0.25	0.07	0.30
Naphthalene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.20	< 0.20	< 0.02	0.07
Phenanthrene	(mg/kg)	MCERTS	< 0.02	0.17	0.95	0.66	0.24	0.60
Pyrene	(mg/kg)	MCERTS	0.02	0.32	1.8	1.0	0.29	0.95
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	0.37	1.9	12	6.7	1.7	5.8
TOC	(%)	MCERTS	< 0.5	2.7	1.9	1.7	2.6	0.8
SOM (via TOC)	(%)	UKAS	< 0.9	4.6	3.3	2.9	4.4	1.4
Asbestos	-	UKAS	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

E26/01009/SWA - 26-03584

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - Windy Arbor

Analytical Test Results - Solid

Lab Reference			692877	692880	692881	692882	692884
Client Sample ID			-	-	-	-	-
Client Sample Location			P17	P16	P14	P14	P15
Client Sample Type			S	S	S	S	S
Client Sample Number			-	-	-	-	-
Depth - Top (m)			0.00	0.30	0.00	0.50	0.40
Depth - Bottom (m)			0.00	0.30	0.00	0.50	0.40
Date of Sampling			26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026
Time of Sampling			-	-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation					
Arsenic	(mg/kg)	MCERTS	15	< 10	15	< 10	< 10
Boron (w/s)	(mg/kg)	u	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Cadmium	(mg/kg)	MCERTS	2.3	1.5	2.3	1.5	1.5
Chromium (Total)	(mg/kg)	UKAS	13	15	12	16	14
Copper	(mg/kg)	MCERTS	100	39	93	30	39
Lead	(mg/kg)	MCERTS	88	27	85	16	30
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	27	34	23	38	33
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	110	51	120	31	62
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
pH	pH Units	MCERTS	7.4	7.7	7.4	7.4	9.8
Sulphate (Water soluble as SO ₄)	(mg/l)	u	99	230	89	190	310
Acenaphthene	(mg/kg)	MCERTS	< 0.02	0.06	< 0.02	< 0.20	< 0.20
Acenaphthylene	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	< 0.20	< 0.20
Anthracene	(mg/kg)	UKAS	0.03	0.07	< 0.02	0.46	< 0.20
Benzo (a) anthracene	(mg/kg)	MCERTS	0.08	0.16	0.05	1.7	0.38
Benzo (a) pyrene	(mg/kg)	MCERTS	0.08	0.14	0.05	1.5	0.34
Benzo (b) fluoranthene	(mg/kg)	MCERTS	0.08	0.14	0.06	1.5	0.34
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	0.05	0.08	0.04	0.84	< 0.20
Benzo (k) fluoranthene	(mg/kg)	MCERTS	0.03	0.06	0.02	0.67	< 0.20
Chrysene	(mg/kg)	MCERTS	0.07	0.13	0.06	1.5	0.32
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.20	< 0.20
Fluoranthene	(mg/kg)	MCERTS	0.17	0.39	0.12	3.5	0.84
Fluorene	(mg/kg)	MCERTS	< 0.02	0.06	< 0.02	< 0.20	< 0.20
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	0.06	0.08	0.04	0.87	< 0.20
Naphthalene	(mg/kg)	MCERTS	< 0.02	0.06	< 0.02	< 0.20	< 0.20
Phenanthrene	(mg/kg)	MCERTS	0.08	0.27	0.06	1.4	0.42
Pyrene	(mg/kg)	MCERTS	0.16	0.35	0.11	3.2	0.74
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	1.0	2.1	0.73	18	5.4
TOC	(%)	MCERTS	2.5	1.7	2.5	1.1	0.9
SOM (via TOC)	(%)	UKAS	4.3	2.9	4.4	2.0	1.5
Asbestos	-	UKAS	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

E26/01009/SWA - 26-03584

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - Windy Arbor

Analytical Test Results - VPH / EPH

Lab Reference	692853	692854	692855	692856	692857	692858
Client Sample ID	-	-	-	-	-	-
Client Sample Location	P01	P01	P02	P02	P03	P03
Client Sample Type	S	S	S	S	S	S
Client Sample Number	-	-	-	-	-	-
Depth - Top (m)	0.00	0.40	0.00	0.30	0.10	0.40
Depth - Bottom (m)	0.00	0.40	0.00	0.30	0.10	0.40
Date of Sampling	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026
Time of Sampling	-	-	-	-	-	-
Sample Matrix	Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation				
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	0.21	< 0.01	0.28	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	1.7	1.4	1.3	3.3
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	4.0	1.8	3.0	3.6
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	21	6.2	16	8.3
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	0.21	< 0.01	0.28	< 0.01
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	3.2	2.4	2.3	5.5
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	26	4.0	11	19
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	7.0	< 5.0	< 5.0	< 5.0
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	56	16	33	40
Total >C ₅ to C ₄₀ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	64	16	35	40

E26/01009/SWA - 26-03584

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - Windy Arbor

Analytical Test Results - VPH / EPH

Lab Reference	692859	692860	692862	692865	692866	692867
Client Sample ID	-	-	-	-	-	-
Client Sample Location	P04	P04	P05	P07	P07	P08
Client Sample Type	S	S	S	S	S	S
Client Sample Number	-	-	-	-	-	-
Depth - Top (m)	0.20	0.50	0.40	0.00	0.30	0.00
Depth - Bottom (m)	0.20	0.50	0.40	0.00	0.30	0.00
Date of Sampling	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026
Time of Sampling	-	-	-	-	-	-
Sample Matrix	Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation				
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	0.19	< 0.01	< 0.01	0.26
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	1.7	1.4	1.5	< 1.0
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	3.4	2.0	3.2	1.2
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	18	7.1	18	< 2.0
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	0.19	< 0.01	< 0.01	0.26
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	2.7	2.4	2.9	2.4
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	13	8.1	13	< 2.0
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	< 5.0	< 5.0	< 5.0	< 5.0
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	39	21	38	< 10
Total >C ₅ to C ₄₀ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	41	21	43	< 10

E26/01009/SWA - 26-03584

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - Windy Arbor

Analytical Test Results - VPH / EPH

Lab Reference			692868	692869	692870	692872	692873	692876
Client Sample ID			-	-	-	-	-	-
Client Sample Location			P08	P21	P21	P20	P19	P18
Client Sample Type			S	S	S	S	S	S
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.40	0.00	0.20	0.30	0.00	0.30
Depth - Bottom (m)			0.40	0.00	0.20	0.30	0.00	0.30
Date of Sampling			26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation						
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	0.20	0.03	< 0.01	0.24	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	0.32	< 0.06	< 0.06	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	< 1.0	1.4	1.7	1.4	1.2	1.5
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	1.7	2.7	5.1	3.4	1.9	2.5
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	3.5	3.9	12	6.7	3.4	2.7
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	18	19	68	28	18	3.4
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	< 5.0	< 5.0	41	16	< 5.0	< 5.0
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	0.20	0.03	< 0.01	0.24	< 0.01
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	5.9	6.3	< 1.0	2.3
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	3.2	7.3	30	31	6.6	22
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	15	21	140	55	15	30
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	< 5.0	9.0	89	30	< 5.0	6.3
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	41	55	260	130	47	64
Total >C ₅ to C ₄₀ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	46	67	370	170	54	71

E26/01009/SWA - 26-03584

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - Windy Arbor

Analytical Test Results - VPH / EPH

Lab Reference	692877	692880	692881	692882	692884
Client Sample ID	-	-	-	-	-
Client Sample Location	P17	P16	P14	P14	P15
Client Sample Type	S	S	S	S	S
Client Sample Number	-	-	-	-	-
Depth - Top (m)	0.00	0.30	0.00	0.50	0.40
Depth - Bottom (m)	0.00	0.30	0.00	0.50	0.40
Date of Sampling	26/01/2026	26/01/2026	26/01/2026	26/01/2026	26/01/2026
Time of Sampling	-	-	-	-	-
Sample Matrix	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation			
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	0.23	< 0.01	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	1.2	< 1.0	1.3
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	1.9	1.5	4.2
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	3.4	1.7	7.3
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	18	4.8	22
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	< 5.0	< 5.0	8.5
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	0.23	< 0.01	< 0.01
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	2.7	1.9
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	6.3	24	12
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	17	23	29
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	< 5.0	< 5.0	14
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	48	58	78
Total >C ₅ to C ₄₀ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	55	62	96
			38	96	230

E26/01009/SWA - 26-03584

Project Reference - Windy Arbor

Sample Descriptions

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Description	Moisture Content (%)	Stone Content (%)	Passing 2mm test sieve (%)
692853	-	P01	S	-	Dark brown silty slightly gravelly sandy clay	22	< 0.1	76
692854	-	P01	S	-	Orangish brown sandy slightly gravelly silty clay	17	1.7	72
692855	-	P02	S	-	Dark brown silty slightly gravelly sandy clay	21	2.9	88
692856	-	P02	S	-	Dark brown silty slightly gravelly sandy clay	12	23	82
692857	-	P03	S	-	Dark brown slightly sandy slightly gravelly silty clay	21	< 0.1	83
692858	-	P03	S	-	Dark brown silty slightly gravelly sandy clay	15	4.9	83
692859	-	P04	S	-	Dark brown slightly sandy slightly gravelly silty clay	21	< 0.1	87
692860	-	P04	S	-	Dark brown slightly sandy slightly gravelly silty clay with rare rootlets	15	3.6	91
692862	-	P05	S	-	Brown slightly sandy slightly gravelly silty clay	16	< 0.1	87
692865	-	P07	S	-	Dark brown silty slightly gravelly sandy clay	19	< 0.1	89
692866	-	P07	S	-	Brown slightly sandy slightly gravelly silty clay	15	< 0.1	91
692867	-	P08	S	-	Dark brown silty slightly gravelly sandy clay with rare rootlets	19	2.5	94
692868	-	P08	S	-	Brown slightly sandy slightly gravelly silty clay with rare rootlets	13	0.4	93
692869	-	P21	S	-	Dark brown silty slightly gravelly sandy clay	20	< 0.1	85
692870	-	P21	S	-	Brown silty gravelly sandy clay	14	14	89
692872	-	P20	S	-	Brown slightly sandy slightly gravelly silty clay	15	23	93
692873	-	P19	S	-	Dark brown silty slightly gravelly sandy clay with rare rootlets	19	6.8	79
692876	-	P18	S	-	Brown slightly sandy slightly gravelly silty clay	15	7.5	88
692877	-	P17	S	-	Dark brown silty slightly gravelly sandy clay with rare rootlets ceramic	20	< 0.1	65
692880	-	P16	S	-	Dark brown slightly sandy slightly gravelly silty clay	17	6.5	89
692881	-	P14	S	-	Dark brown slightly silty slightly gravelly sandy clay	17	7.5	89
692882	-	P14	S	-	Brown slightly sandy slightly gravelly silty clay with frequent hydrocarbon	14	< 0.1	89
692884	-	P15	S	-	Brown slightly sandy slightly gravelly silty clay	10	41	64

E26/01009/SWA - 26-03584

Project Reference - Windy Arbor

Sample Comments

7 - 11 Harding Street
Leicester
LE1 4DH

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Comments
692853	-	P01	S	-	
692854	-	P01	S	-	
692855	-	P02	S	-	
692856	-	P02	S	-	
692857	-	P03	S	-	VPH/BTEX - Sample taken from container with headspace.
692858	-	P03	S	-	
692859	-	P04	S	-	VPH/BTEX - Sample taken from container with headspace.
692860	-	P04	S	-	VPH/BTEX - Sample taken from container with headspace.
692862	-	P05	S	-	
692865	-	P07	S	-	VPH/BTEX - Sample taken from container with headspace.
692866	-	P07	S	-	VPH/BTEX - Sample taken from container with headspace.
692867	-	P08	S	-	
692868	-	P08	S	-	
692869	-	P21	S	-	
692870	-	P21	S	-	PAHAR - 1/10 dilution, dark-coloured extract VPH/BTEX - Sample taken from container with head space.
692872	-	P20	S	-	PAHAR - 1/10 dilution, dark-coloured extract VPH/BTEX - Sample taken from container with headspace.
692873	-	P19	S	-	
692876	-	P18	S	-	
692877	-	P17	S	-	
692880	-	P16	S	-	
692881	-	P14	S	-	
692882	-	P14	S	-	PAHAR - 1/10 dilution, dark-coloured extract
692884	-	P15	S	-	PAHAR - 1/10 dilution, dark-coloured extract

E26/01009/SWA - 26-03584

Project Reference - Windy Arbor

Analysis Methodologies - Please refer to sample comments page (if present) for any changes to methods

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preparation	Test Details
ANIONSS	MS - CL - Anions by Aquakem (2:1Extract)	Oven dried	Passing 2mm test sieve	Determination of Anions (inc Sulphate, chloride etc.) in soils by Aquakem. Analysis is based on a 2:1 water to soil extraction ratio
SKALARHCS	MS - CL - Hexavalent Chromium by Skalar	As received	Passing 10mm test sieve	Determination of hexavalent chromium in soil using Skalar segmented flow analyser
ICPMETS	MS - CL - ICP Metals	Air dried	Passing 10mm test sieve	Determination of metals in soils via ICP
PHS	MS - CL - pH in Soils	As received	Passing 10mm test sieve	Determination of pH in soils using a pH probe (using a 1:3 soil to water extraction)
PAHASRDS	MS - CL - PAH (As Received)	As received	Passing 10mm test sieve	Determination of Polyaromatic hydrocarbons in soil via GC-MS
TOCS	MS - CL - TOC Eltra	Air Dried	Passing 10mm test sieve	Determination of Total Organic Carbon in soils
GCXGCS	MS - CL - TPH & EPH by GCXGC	As received	Passing 10mm test sieve	Determination of TPH and EPH in soils via GCxGC-FID
CWGS	Calculation from VPH-S and EPH-S	As received	Passing 10mm test sieve	Determination of TPH CWG (Volatile Petroleum Hydrocarbons and Extractable Petroleum Hydrocarbons) in soils via Headspace-GC-MS and GC-GC-FID respectively
VPHS	MS - CL - VPH	As received	Passing 10mm test sieve	Determination of VPH in soils via Headspace-GC-MS
WSBORONS	MS - CL - WS Boron	Air dried	Passing 10mm test sieve	Determination of Water soluble Boron in soils via ICP
ASB	MS - AS - Asbestos	-	-	Fibre identification is in accordance with in house documented methods which are based on the procedure documented in the HSE Document HSG 248 "Asbestos: The analysts guide for sampling, analysis and clearance procedures"
SAMPLEPREP	MS - CL - Sample Preparation	-	-	Preparation of samples (including determination of moisture content) to allow for subsequent analysis



E26/01009/SWA - 26-03584

Project Reference - Windy Arbor

HWOL TPH Acronym Index

7 - 11 Harding Street
Leicester
LE1 4DH

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics and Aromatics
AL	Aliphatics Only
AR	Aromatics Only
2D	GC-GC - Double Coil Gas Chromatography
#1	EH_Total but with humics mathmatically subtracted
#2	EH_Total but with fatty acids mathmatically subtracted
_	Operator - underscore to separate acronyms (except for +)
+	Operator to indicate cumlative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry



SWAN Environmental
Unit 9 Normanton Business Park
Ripley Drive
Normanton
West Yorkshire
WF6 1QT

7 - 11 Harding Street
Leicester
LE1 4DH

Analytical Test Report: E26/02779/SWA - 26-08792

Your Project Reference:	SES41704 Windy Arbor		
Your Order Number:	PO11567	Samples Received / Instructed:	02/03/2026 / 02/03/2026
Report Issue Number:	1	Sample Tested:	02/03 to 10/03/2026
Samples Analysed:	18 sample(s)	Report issued:	10/03/2026

Signed

Analytical Services Manager
CTS

Notes:

General

Please refer to Methodologies page for details pertaining to the analytical methods undertaken.

Samples will be retained for 14 days after issue of this report with the exception of the asbestos test portion which is held for 6 months unless otherwise requested.

Moisture Content was determined in accordance with CTS method statement MS - CL - Sample Prep, oven dried at <30°C.

Moisture Content is reported as a percentage of the dry mass of soil, this calculation is in accordance with BS1377, Part 2, 1990, Clause 3.2

Stone Content was determined in accordance with CTS method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.

Where specification limits are included these are for guidance only. Where a measured value has been highlighted this is not implying acceptance or failure and certainty of measurement values have not been taken into account.

Uncertainty of measurement values are available on request.

Samples were supplied by customer, results apply to the samples as received.

Asbestos

Please note: Where further analysis is required samples identified as containing asbestos are screened and tested on an as received basis. No correction is made for moisture content and other than the asbestos test(s) these results are not covered by our accreditation

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

Deviating Samples

On receipt samples are compared against our sample holding and handling protocols, where any deviations have been noted these are reported on our deviating sample page (if present)

Accreditation Key

This report shall not be reproduce except in full

UKAS = UKAS Accreditation, MCERTS = MCERTS Accreditation, u = Unaccredited, subUKAS - Subcontracted to a laboratory UKAS accredited for this test, subMCERTS - Subcontracted to a laboratory MCERTS accredited for this test

MCERTS Accreditation only covers the SAND, CLAY and LOAM matrices

UKAS accreditation on waters only covers the Ground water and Surface water matrices

Date of Issue: 27.01.26

Issued by: J. Gane

Issue No: 4

Rev No: 28

E26/02779/SWA - 26-08792

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - SES41704 Windy Arbor

Analytical Test Results - Solid

Lab Reference			720066	720067	720068	720069	720070	720071
Client Sample ID			-	-	-	-	-	-
Client Sample Location			Plot 9	Plot 10	Plot 10	Plot 11	Plot 12	Plot 12
Client Sample Type			S	S	S	S	S	S
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.40	0.10	0.50	0.50	0.20	0.40
Depth - Bottom (m)			0.40	0.10	0.50	0.50	0.20	0.40
Date of Sampling			27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation						
Arsenic	(mg/kg)	MCERTS	< 10	15	< 10	< 10	14	< 10
Boron (w/s)	(mg/kg)	u	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Cadmium	(mg/kg)	MCERTS	1.2	1.9	1.0	1.1	1.8	0.9
Chromium (Total)	(mg/kg)	UKAS	17	16	18	20	14	16
Copper	(mg/kg)	MCERTS	110	100	57	40	86	45
Lead	(mg/kg)	MCERTS	33	83	25	30	82	14
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	40	22	32	22	21	35
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	58	150	71	48	110	41
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
pH	pH Units	MCERTS	7.3	7.4	7.5	7.1	7.0	7.2
Sulphate (Water soluble as SO ₄)	(mg/l)	u	65	200	150	93	160	73
Acenaphthene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Acenaphthylene	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Anthracene	(mg/kg)	UKAS	< 0.02	0.03	0.04	< 0.02	< 0.02	< 0.02
Benzo (a) anthracene	(mg/kg)	MCERTS	0.03	0.08	0.09	< 0.02	0.05	< 0.02
Benzo (a) pyrene	(mg/kg)	MCERTS	0.03	0.07	0.08	< 0.02	0.05	< 0.02
Benzo (b) fluoranthene	(mg/kg)	MCERTS	0.03	0.08	0.08	< 0.02	0.06	< 0.02
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	0.02	0.05	0.05	< 0.02	0.03	< 0.02
Benzo (k) fluoranthene	(mg/kg)	MCERTS	< 0.02	0.03	0.04	< 0.02	0.02	< 0.02
Chrysene	(mg/kg)	MCERTS	0.03	0.07	0.07	< 0.02	0.05	< 0.02
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluoranthene	(mg/kg)	MCERTS	0.07	0.18	0.21	0.04	0.11	< 0.02
Fluorene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	0.02	0.06	0.05	< 0.02	0.04	< 0.02
Naphthalene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Phenanthrene	(mg/kg)	MCERTS	0.03	0.10	0.13	< 0.02	0.06	< 0.02
Pyrene	(mg/kg)	MCERTS	0.06	0.16	0.18	0.02	0.10	< 0.02
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	0.50	1.0	1.1	0.39	0.71	< 0.32
TOC	(%)	MCERTS	1.4	2.9	1.4	1.1	3.0	0.7
SOM (via TOC)	(%)	UKAS	2.4	5.0	2.4	2.0	5.2	1.2
Asbestos	-	UKAS	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

E26/02779/SWA - 26-08792

Project Reference - SES41704 Windy Arbor

Analytical Test Results - Solid

Lab Reference			720072	720073	720074	720075	720076	720077
Client Sample ID			-	-	-	-	-	-
Client Sample Location			Plot 13	Plot 22	Plot 23	Plot 24	Plot 25	Plot 25
Client Sample Type			S	S	S	S	S	S
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.40	0.50	0.20	0.40	0.20	0.40
Depth - Bottom (m)			0.40	0.50	0.20	0.40	0.20	0.40
Date of Sampling			27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation						
Arsenic	(mg/kg)	MCERTS	< 10	< 10	15	16	15	15
Boron (w/s)	(mg/kg)	u	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Cadmium	(mg/kg)	MCERTS	0.7	1.2	1.6	1.5	1.5	1.5
Chromium (Total)	(mg/kg)	UKAS	23	20	16	17	18	17
Copper	(mg/kg)	MCERTS	40	36	73	75	75	74
Lead	(mg/kg)	MCERTS	7.4	23	63	64	64	65
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	34	32	22	24	23	23
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	9.3	38	86	85	86	85
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
pH	pH Units	MCERTS	7.4	7.1	7.5	7.4	7.4	7.5
Sulphate (Water soluble as SO ₄)	(mg/l)	u	23	36	70	58	79	67
Acenaphthene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Acenaphthylene	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Anthracene	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	0.04	< 0.02	< 0.02
Benzo (a) anthracene	(mg/kg)	MCERTS	< 0.02	0.02	0.07	0.07	0.09	0.08
Benzo (a) pyrene	(mg/kg)	MCERTS	< 0.02	< 0.02	0.07	0.09	0.10	0.09
Benzo (b) fluoranthene	(mg/kg)	MCERTS	< 0.02	0.03	0.08	0.10	0.10	0.10
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	< 0.02	< 0.02	0.06	0.07	0.08	0.08
Benzo (k) fluoranthene	(mg/kg)	MCERTS	< 0.02	< 0.02	0.03	0.04	0.05	0.04
Chrysene	(mg/kg)	MCERTS	< 0.02	0.02	0.07	0.07	0.09	0.07
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluoranthene	(mg/kg)	MCERTS	< 0.02	0.05	0.16	0.13	0.17	0.14
Fluorene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	< 0.02	< 0.02	0.06	0.07	0.07	0.07
Naphthalene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Phenanthrene	(mg/kg)	MCERTS	< 0.02	0.02	0.10	0.07	0.09	0.07
Pyrene	(mg/kg)	MCERTS	< 0.02	0.05	0.15	0.13	0.16	0.14
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	< 0.32	0.41	0.99	1.0	1.1	1.1
TOC	(%)	MCERTS	< 0.5	1.3	4.0	4.4	4.1	4.0
SOM (via TOC)	(%)	UKAS	< 0.9	2.2	7.0	7.6	7.1	6.9
Asbestos	-	UKAS	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected

E26/02779/SWA - 26-08792

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - SES41704 Windy Arbor

Analytical Test Results - Solid

Lab Reference			720078	720079	720080	720081	720082	720083
Client Sample ID			-	-	-	-	-	-
Client Sample Location			Plot 26	Plot 26	Plot 27	Plot 27	Plot 28	Plot 29
Client Sample Type			S	S	S	S	S	S
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.10	0.30	0.10	0.30	0.50	0.30
Depth - Bottom (m)			0.10	0.30	0.10	0.30	0.50	0.30
Date of Sampling			27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation						
Arsenic	(mg/kg)	MCERTS	17	17	18	16	16	17
Boron (w/s)	(mg/kg)	u	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Cadmium	(mg/kg)	MCERTS	1.5	1.4	1.5	1.5	1.7	1.6
Chromium (Total)	(mg/kg)	UKAS	18	16	17	19	15	16
Copper	(mg/kg)	MCERTS	77	99	81	72	84	76
Lead	(mg/kg)	MCERTS	66	58	62	59	82	68
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	25	23	25	26	21	42
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	89	83	86	84	100	93
Chromium (Hexavalent)	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
pH	pH Units	MCERTS	7.5	7.8	7.7	7.7	7.1	7.5
Sulphate (Water soluble as SO ₄)	(mg/l)	u	60	67	64	75	110	110
Acenaphthene	(mg/kg)	MCERTS	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02
Acenaphthylene	(mg/kg)	UKAS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Anthracene	(mg/kg)	UKAS	< 0.02	0.05	< 0.02	0.02	0.03	0.04
Benzo (a) anthracene	(mg/kg)	MCERTS	0.08	0.14	0.12	0.11	0.08	0.13
Benzo (a) pyrene	(mg/kg)	MCERTS	0.08	0.13	0.12	0.11	0.07	0.12
Benzo (b) fluoranthene	(mg/kg)	MCERTS	0.09	0.14	0.12	0.11	0.07	0.12
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	0.06	0.09	0.09	0.08	0.05	0.08
Benzo (k) fluoranthene	(mg/kg)	MCERTS	0.04	0.07	0.05	0.05	0.03	0.06
Chrysene	(mg/kg)	MCERTS	0.08	0.13	0.11	0.11	0.08	0.12
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluoranthene	(mg/kg)	MCERTS	0.18	0.32	0.20	0.21	0.16	0.29
Fluorene	(mg/kg)	MCERTS	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	0.06	0.10	0.09	0.09	0.05	0.09
Naphthalene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Phenanthrene	(mg/kg)	MCERTS	0.06	0.21	0.09	0.09	0.10	0.17
Pyrene	(mg/kg)	MCERTS	0.15	0.28	0.21	0.20	0.15	0.25
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	1.0	1.8	1.3	1.3	0.98	1.6
TOC	(%)	MCERTS	3.9	3.7	3.9	3.8	3.2	3.8
SOM (via TOC)	(%)	UKAS	6.8	6.3	6.7	6.6	5.5	6.5
Asbestos	-	UKAS	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected



E26/02779/SWA - 26-08792

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - SES41704 Windy Arbor

Analytical Test Results - VPH / EPH

Lab Reference	720066	720067	720068	720069	720070	720071
Client Sample ID	-	-	-	-	-	-
Client Sample Location	Plot 9	Plot 10	Plot 10	Plot 11	Plot 12	Plot 12
Client Sample Type	S	S	S	S	S	S
Client Sample Number	-	-	-	-	-	-
Depth - Top (m)	0.40	0.10	0.50	0.50	0.20	0.40
Depth - Bottom (m)	0.40	0.10	0.50	0.50	0.20	0.40
Date of Sampling	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
Time of Sampling	-	-	-	-	-	-
Sample Matrix	Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation				
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	0.05	0.14	0.01	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	< 1.0	< 1.0	1.2	< 1.0
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	1.2	2.3	4.3	< 1.0
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	2.5	5.0	5.5	< 1.0
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	9.8	26	22	2.8
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	< 5.0	7.4	< 5.0	< 5.0
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	0.05	0.14	0.01	< 0.01
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	3.7	6.2	7.6	5.2
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	9.1	40	32	< 2.0
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	< 5.0	15	9.6	< 5.0
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	26	79	72	< 10
Total >C ₅ to C ₄₀ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	28	98	84	< 10



E26/02779/SWA - 26-08792

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - SES41704 Windy Arbor

Analytical Test Results - VPH / EPH

Lab Reference			720072	720073	720074	720075	720076	720077
Client Sample ID			-	-	-	-	-	-
Client Sample Location			Plot 13	Plot 22	Plot 23	Plot 24	Plot 25	Plot 25
Client Sample Type			S	S	S	S	S	S
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.40	0.50	0.20	0.40	0.20	0.40
Depth - Bottom (m)			0.40	0.50	0.20	0.40	0.20	0.40
Date of Sampling			27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation						
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	< 0.01	0.07	0.07	0.11	0.17
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	< 1.0	< 1.0	1.7	1.7	1.4	< 1.0
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	< 1.0	1.2	4.6	4.3	3.3	1.9
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	1.4	2.5	8.0	8.2	7.0	5.4
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	3.4	8.0	26	26	29	25
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	< 5.0	< 5.0	< 5.0	< 5.0	6.7	< 5.0
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	0.07	0.07	0.11	0.17
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	4.6	5.0	6.4	4.8	4.5	4.7
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	< 2.0	6.4	31	34	42	22
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	< 5.0	< 5.0	9.9	9.8	14	< 5.0
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	< 10	23	77	79	87	59
Total >C ₅ to C ₄₀ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	< 10	23	90	91	110	64



E26/02779/SWA - 26-08792

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - SES41704 Windy Arbor

Analytical Test Results - VPH / EPH

Lab Reference			720078	720079	720080	720081	720082	720083
Client Sample ID			-	-	-	-	-	-
Client Sample Location			Plot 26	Plot 26	Plot 27	Plot 27	Plot 28	Plot 29
Client Sample Type			S	S	S	S	S	S
Client Sample Number			-	-	-	-	-	-
Depth - Top (m)			0.10	0.30	0.10	0.30	0.50	0.30
Depth - Bottom (m)			0.10	0.30	0.10	0.30	0.50	0.30
Date of Sampling			27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026	27/02/2026
Time of Sampling			-	-	-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay	Clay	Clay
Determinant	Units	Accreditation						
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	< 0.01	0.02	< 0.01	0.18	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C ₅ to C ₆ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₆ to C ₈ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₈ to C ₁₀ [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C ₁₀ to C ₁₂ [EH_2D_AL]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic >C ₁₂ to C ₁₆ [EH_2D_AL]	(mg/kg)	MCERTS	2.1	3.2	2.0	2.2	2.6	2.6
Aliphatic >C ₁₆ to C ₂₁ [EH_2D_AL]	(mg/kg)	MCERTS	6.0	9.5	6.1	6.6	7.4	7.0
Aliphatic >C ₂₁ to C ₃₅ [EH_2D_AL]	(mg/kg)	MCERTS	22	30	23	22	25	20
Aliphatic >C ₃₅ to C ₄₄ [EH_2D_AL]	(mg/kg)	u	< 5.0	6.1	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic >C ₅ to C ₇ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C ₇ to C ₈ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	0.02	< 0.01	0.18	< 0.01
Aromatic >C ₈ to C ₁₀ [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06
Aromatic >C ₁₀ to C ₁₂ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₂ to C ₁₆ [EH_2D_AR]	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C ₁₆ to C ₂₁ [EH_2D_AR]	(mg/kg)	MCERTS	4.6	6.0	4.8	5.3	5.2	5.4
Aromatic >C ₂₁ to C ₃₅ [EH_2D_AR]	(mg/kg)	MCERTS	20	28	20	27	21	22
Aromatic >C ₃₅ to C ₄₄ [EH_2D_AR]	(mg/kg)	u	< 5.0	7.3	< 5.0	6.6	< 5.0	< 5.0
Total >C ₅ to C ₃₅ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	55	77	56	63	61	56
Total >C ₅ to C ₄₀ [EH_2D+HS_1D_Total]	(mg/kg)	MCERTS	60	86	62	70	67	61

E26/02779/SWA - 26-08792

7 - 11 Harding Street
Leicester
LE1 4DH

Project Reference - SES41704 Windy Arbor

Sample Descriptions

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Description	Moisture Content (%)	Stone Content (%)	Passing 2mm test sieve (%)
720066	-	Plot 9	S	-	Brown slightly gravelly silty clay with rare organic matter	16	20	100
720067	-	Plot 10	S	-	Brown slightly gravelly silty clay with rare organic matter	20	18	100
720068	-	Plot 10	S	-	Brown slightly gravelly silty clay with rare organic matter	19	13	100
720069	-	Plot 11	S	-	Brown slightly gravelly sandy clay with rare organic matter	18	6.9	100
720070	-	Plot 12	S	-	Brown slightly gravelly sandy clay with rare organic matter	20	21	100
720071	-	Plot 12	S	-	Brown silty clay with rare organic matter	18	< 0.1	100
720072	-	Plot 13	S	-	Brown silty clay with rare organic matter	14	< 0.1	100
720073	-	Plot 22	S	-	Brown slightly gravelly silty clay	15	4.3	44
720074	-	Plot 23	S	-	Brown slightly gravelly silty clay with rare brick fragments organic matter	22	21	100
720075	-	Plot 24	S	-	Brown slightly gravelly silty clay with rare brick fragments organic matter	22	8.0	100
720076	-	Plot 25	S	-	Brown slightly gravelly silty clay with rare brick fragments organic matter	23	15	100
720077	-	Plot 25	S	-	Brown slightly gravelly silty clay with rare brick fragments organic matter	23	15	50
720078	-	Plot 26	S	-	Brown slightly gravelly silty clay with rare brick fragments organic matter	25	< 0.1	100
720079	-	Plot 26	S	-	Brown slightly gravelly silty clay with rare brick fragments organic matter	22	13	100
720080	-	Plot 27	S	-	Brown slightly gravelly silty clay with rare brick fragments organic matter	22	13	100
720081	-	Plot 27	S	-	Brown slightly gravelly silty clay with rare brick fragments organic matter	23	2.7	100
720082	-	Plot 28	S	-	Brown slightly gravelly silty clay with rare brick fragments organic matter	26	< 0.1	64
720083	-	Plot 29	S	-	Brown slightly gravelly silty clay with rare organic matter	24	< 0.1	100



E26/02779/SWA - 26-08792

Project Reference - SES41704 Windy Arbor

7 - 11 Harding Street
Leicester
LE1 4DH

Sample Comments

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Comments
720066	-	Plot 9	S	-	
720067	-	Plot 10	S	-	
720068	-	Plot 10	S	-	
720069	-	Plot 11	S	-	VPH/BTEX - Sample taken from container with headspace
720070	-	Plot 12	S	-	
720071	-	Plot 12	S	-	
720072	-	Plot 13	S	-	
720073	-	Plot 22	S	-	
720074	-	Plot 23	S	-	
720075	-	Plot 24	S	-	
720076	-	Plot 25	S	-	
720077	-	Plot 25	S	-	
720078	-	Plot 26	S	-	
720079	-	Plot 26	S	-	
720080	-	Plot 27	S	-	VPH/BTEX - Sample taken from container with headspace
720081	-	Plot 27	S	-	
720082	-	Plot 28	S	-	
720083	-	Plot 29	S	-	

E26/02779/SWA - 26-08792

Project Reference - SES41704 Windy Arbor

Analysis Methodologies - Please refer to sample comments page (if present) for any changes to methods

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preparation	Test Details
ANIONSS	MS - CL - Anions by Aquakem (2:1Extract)	Oven dried	Passing 2mm test sieve	Determination of Anions (inc Sulphate, chloride etc.) in soils by Aquakem. Analysis is based on a 2:1 water to soil extraction ratio
SKALARHCS	MS - CL - Hexavalent Chromium by Skalar	As received	Passing 10mm test sieve	Determination of hexavalent chromium in soil using Skalar segmented flow analyser
ICPMETS	MS - CL - ICP Metals	Air dried	Passing 10mm test sieve	Determination of metals in soils via ICP
PHS	MS - CL - pH in Soils	As received	Passing 10mm test sieve	Determination of pH in soils using a pH probe (using a 1:3 soil to water extraction)
PAHASRDS	MS - CL - PAH (As Received)	As received	Passing 10mm test sieve	Determination of Polyaromatic hydrocarbons in soil via GC-MS
TOCS	MS - CL - TOC Eltra	Air Dried	Passing 10mm test sieve	Determination of Total Organic Carbon in soils
GCXGCS	MS - CL - TPH & EPH by GCXGC	As received	Passing 10mm test sieve	Determination of TPH and EPH in soils via GCxGC-FID
CWGS	Calculation from VPH-S and EPH-S	As received	Passing 10mm test sieve	Determination of TPH CWG (Volatile Petroleum Hydrocarbons and Extractable Petroleum Hydrocarbons) in soils via Headspace-GC-MS and GC-GC-FID respectively
VPHS	MS - CL - VPH	As received	Passing 10mm test sieve	Determination of VPH in soils via Headspace-GC-MS
WSBORONS	MS - CL - WS Boron	Air dried	Passing 10mm test sieve	Determination of Water soluble Boron in soils via ICP
ASB	MS - AS - Asbestos	-	-	Fibre identification is in accordance with in house documented methods which are based on the procedure documented in the HSE Document HSG 248 "Asbestos: The analysts guide for sampling, analysis and clearance procedures"
SAMPLEPREP	MS - CL - Sample Preparation	-	-	Preparation of samples (including determination of moisture content) to allow for subsequent analysis



7 - 11 Harding Street
Leicester
LE1 4DH

E26/02779/SWA - 26-08792

Project Reference - SES41704 Windy Arbor

Sample Deviations

Deviations are listed below against each sample and associated test method, where deviation(s) are noted it means data may not be representative of the sample at the time of sampling and it is possible that results provided may be compromised.

Observations on receipt

A - No date of sampling provided

W - No time of sampling provided for water sample

C - Received in inappropriate container

H - Contains headspace

T - Temperature on receipt exceeds storage temperature

R - Sample(s) received with less than 96 hours for testing to commence/complete, any result formally classed as deviating will be marked with an X against the applicable test (i.e. RX)

Observations whilst in laboratory

X - Exceeds sampling to extraction or analysis timescales

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Test	Deviations
720069	-	Plot 11	S	-	MS - CL - VPH	X
720080	-	Plot 27	S	-	MS - CL - VPH	X



E26/02779/SWA - 26-08792

Project Reference - SES41704 Windy Arbor

HWOL TPH Acronym Index

7 - 11 Harding Street
Leicester
LE1 4DH

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics and Aromatics
AL	Aliphatics Only
AR	Aromatics Only
2D	GC-GC - Double Coil Gas Chromatography
#1	EH_Total but with humics mathmatically subtracted
#2	EH_Total but with fatty acids mathmatically subtracted
_	Operator - underscore to separate acronyms (except for +)
+	Operator to indicate cumlative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry

Analytical Test Report	E26/03843/SWA/26-12157
Clients Project Reference	Windy Arbor SES41704
Clients Order Number	PO11597
Sample(s) Analysed	2
Sample(s) received / instructed	20/03/2026 / 20/03/2026
Sample(s) Tested	20/03/2026 to 31/03/2026
Report issued	31/03/2026
Report issue number	1

Tested on Behalf of
SWAN Environmental
Unit 9 Normanton Business Park
Ripley Drive
Normanton
West Yorkshire
WF6 1QT

Signed



James Gane
Analytical Services Manager

Notes:

General

This report shall not be reproduced except in full

Please refer to Methodologies page for details pertaining to the analytical methods undertaken.

Samples were supplied by customer, results apply to the samples as received.

Samples will be retained for 14 days after issue of this report with the exception of the asbestos test portion which is held for 6 months unless otherwise requested.

Where specification limits are included these are for guidance only. Where a measured value has been highlighted this is not implying acceptance or failure and certainty of measurement values have not been taken into account.

Uncertainty of measurement values are available on request.

Moisture Content was determined in accordance with CTS method statement MS - CL - Sample Prep, oven dried at <30°C.

Moisture Content is reported as a percentage of the dry mass of soil, this calculation is in accordance with BS1377, Part 2, 1990, Clause 3.2

Stone Content was determined in accordance with CTS method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.

MCERTS Accreditation only covers the SAND, CLAY and LOAM matrices

Please note: Where further analysis is required, samples identified as containing asbestos are screened and tested on an as received basis. No correction is made for moisture content and other than the asbestos test(s) these results are not covered by our accreditation.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

Deviating Samples

On receipt samples are compared against our sample holding and handling protocols, where any deviations have been noted these are reported on our deviating sample page (if present)

Accreditation Key

U = UKAS Accreditation, M = MCERTS Accreditation, N = Unaccredited, SC = Subcontracted

E26/03843/SWA/26-12157

Windy Arbor SES41704

Analytical Test Results - ENV Analysis Solids

Lab Reference					738416	738417
Client Sample ID					-	-
Client Sample Location					POS 1	POS 3
Client Sample Type					S	S
Client Sample Number					-	-
Depth - Top (m)					0.5	0.3
Depth - Bottom (m)					0.5	0.3
Date of Sampling					19/03/2026	19/03/2026
Time of Sampling					-	-
Sample Matrix					Clay	Clay
Determinant	Code	Units	LOD	Accreditation		
Arsenic	ICPMETS	mg/kg	10	M	14	13
Boron (Water Soluble)	WSBORONS	mg/kg	2.5	N	< 2.5	< 2.5
Cadmium	ICPMETS	mg/kg	0.2	M	1.7	1.6
Chromium (Total)	ICPMETS	mg/kg	1	U	15	17
Copper	ICPMETS	mg/kg	2	M	83	83
Lead	ICPMETS	mg/kg	1.5	M	82	73
Mercury	ICPMETS	mg/kg	2.5	U	< 2.5	< 2.5
Nickel	ICPMETS	mg/kg	1	M	21	24
Selenium	ICPMETS	mg/kg	8	N	< 8.0	< 8.0
Zinc	ICPMETS	mg/kg	2	M	110	95
Chromium (Hexavalent)	SKALARHCS	mg/kg	1	N	1.8	1.2
pH	PHS	pH units	1	M	8.2	8.3
Water Soluble Sulphate (as SO4)	ANIONSS	mg/L	10	N	290	140
TOC	TOCS	%	0.5	M	3.4	4.0
SOM	TOCS	%	0.86	U	5.9	6.8
Asbestos	ASB	p/a	-	U	No Asbestos Detected	No Asbestos Detected
Acenaphthene	PAHASRDS	mg/kg	0.02	M	< 0.02	< 0.02
Acenaphthylene	PAHASRDS	mg/kg	0.02	U	< 0.02	< 0.02
Anthracene	PAHASRDS	mg/kg	0.02	U	< 0.02	0.03
Benzo[a]anthracene	PAHASRDS	mg/kg	0.02	M	0.07	0.10
Benzo[a]pyrene	PAHASRDS	mg/kg	0.02	M	0.07	0.09
Benzo[b]fluoranthene	PAHASRDS	mg/kg	0.02	M	0.08	0.10
Benzo[ghi]perylene	PAHASRDS	mg/kg	0.02	M	0.06	0.07
Benzo[k]fluoranthene	PAHASRDS	mg/kg	0.02	M	0.03	0.04
Chrysene	PAHASRDS	mg/kg	0.02	M	0.06	0.08
Dibenzo[a,h]anthracene	PAHASRDS	mg/kg	0.02	M	< 0.02	< 0.02
Fluoranthene	PAHASRDS	mg/kg	0.02	M	0.14	0.23
Fluorene	PAHASRDS	mg/kg	0.02	M	< 0.02	< 0.02
Indeno[1,2,3,-cd]pyrene	PAHASRDS	mg/kg	0.02	M	0.07	0.07
Naphthalene	PAHASRDS	mg/kg	0.02	M	< 0.02	< 0.02
Phenanthrene	PAHASRDS	mg/kg	0.02	M	0.08	0.10
Pyrene	PAHASRDS	mg/kg	0.02	M	0.12	0.20
Total PAH (Sum of USEPA 16)	PAHASRDS	mg/kg	0.32	U	0.93	1.3

E26/03843/SWA/26-12157

Windy Arbor SES41704

Analytical Test Results - EPHVPHS

Lab Reference					738416	738417
Client Sample ID					-	-
Client Sample Location					POS 1	POS 3
Client Sample Type					S	S
Client Sample Number					-	-
Depth - Top (m)					0.5	0.3
Depth - Bottom (m)					0.5	0.3
Date of Sampling					19/03/2026	19/03/2026
Time of Sampling					-	-
Sample Matrix					Clay	Clay
Determinant	Code	Units	LOD	Accreditation		
Benzene	VPHS	mg/kg	0.01	M	< 0.01	< 0.01
Toluene	VPHS	mg/kg	0.01	M	0.11	0.17
Ethylbenzene	VPHS	mg/kg	0.01	M	< 0.01	< 0.01
m&p Xylene	VPHS	mg/kg	0.02	M	< 0.02	< 0.02
o-Xylene	VPHS	mg/kg	0.01	M	< 0.01	< 0.01
Methyl tert-butyl ether (MTBE)	VPHS	mg/kg	0.01	M	< 0.01	< 0.01
Aliphatic >C5 to C6 [5]	VPHS	mg/kg	0.06	M	< 0.06	< 0.06
Aliphatic >C6 to C8 [5]	VPHS	mg/kg	0.06	M	< 0.06	< 0.06
Aliphatic >C8 to C10 [5]	VPHS	mg/kg	0.06	M	< 0.06	< 0.06
Aliphatic >C10-C12 [13]	GCXGCS	mg/kg	1	M	< 1.0	< 1.0
Aliphatic >C12-C16 [13]	GCXGCS	mg/kg	1	M	2.4	1.8
Aliphatic >C16-C21 [13]	GCXGCS	mg/kg	1	M	5.1	4.1
Aliphatic >C21-C35 [13]	GCXGCS	mg/kg	2	M	15	15
Aliphatic >C35-C44 [13]	GCXGCS	mg/kg	5	N	< 5.0	< 5.0
Aromatic >C5 to C7 [6]	VPHS	mg/kg	0.01	M	< 0.01	< 0.01
Aromatic >C7 to C8 [6]	VPHS	mg/kg	0.01	M	0.11	0.17
Aromatic >C8 to C10 [6]	VPHS	mg/kg	0.06	M	< 0.06	< 0.06
Aromatic >C10-C12 [14]	GCXGCS	mg/kg	1	M	< 1.0	< 1.0
Aromatic >C12-C16 [14]	GCXGCS	mg/kg	1	M	< 1.0	< 1.0
Aromatic >C16-C21 [14]	GCXGCS	mg/kg	1	M	4.2	3.8
Aromatic >C21-C35 [14]	GCXGCS	mg/kg	2	M	27	18
Aromatic >C35-C44 [14]	GCXGCS	mg/kg	5	N	11	< 5.0
Total >C5-C35 (Ali/Aro) [10]	CWGS	mg/kg	10	M	54	43
Total >C5-C40 (Ali/Aro) [10]	CWGS	mg/kg	10	M	63	49

E26/03843/SWA/26-12157

Windy Arbor SES41704

Sample Descriptions

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Description	Moisture Content (%)	Stone Content (%)	Passing 2mm test sieve (%)
738416	-	POS 1	SOIL	-	Dark brown slightly gravelly slightly sandy silty clay with rare brick fragments organic matter	19	4.3	85
738417	-	POS 3	SOIL	-	Dark brown slightly gravelly slightly sandy silty clay with rare brick fragments organic matter	20	6.0	84

E26/03843/SWA/26-12157

Windy Arbor SES41704

Analysis Methodologies - Please refer to sample comments page (if present) for any changes to methods Methods

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preparation	Test Details
ANIONSS	MS - CL - Anions by Aquakem (2:1Extract)	Oven dried	Passing 2mm test sieve	Determination of Anions (inc Sulphate, chloride etc.) in soils by Aquakem. Analysis is based on a 2:1 water to soil extraction ratio
ASB	MS - AS - Asbestos	-	-	Fibre identification is in accordance with in house documented methods which are based on the procedure documented in the HSE Document HSG 248 "Asbestos: The analysts guide for sampling, analysis and clearance procedures"
CWGS	Calculation from VPH-S and EPH-S	As received	Passing 10mm test sieve	Determination of TPH CWG (Volatile Petroleum Hydrocarbons and Extractable Petroleum Hydrocarbons) in soils via Headspace-GC-MS and GC-GC-FID respectively
GCXGCS	MS - CL - TPH & EPH by GCXGC	As received	Passing 10mm test sieve	Determination of TPH and EPH in soils via GCXGC-FID
ICPMETS	MS - CL - ICP Metals	Air dried	Passing 10mm test sieve	Determination of metals in soils via ICP
PAHASRDS	MS - CL - PAH (As Received)	As received	Passing 10mm test sieve	Determination of Polyaromatic hydrocarbons in soil via GC-MS
PHS	MS - CL - pH in Soils	As received	Passing 10mm test sieve	Determination of pH in soils using a pH probe (using a 1:3 soil to water extraction)
SAMPLEPREP	MS - CL - Sample Preparation	-	-	Preparation of samples (including determination of moisture content) to allow for subsequent analysis
SKALARHCS	MS - CL - Hexavalent Chromium by Skalar	As received	Passing 10mm test sieve	Determination of hexavalent chromium in soil using Skalar segmented flow analyser
TOCS	MS - CL - TOC Eltra	Air Dried	Passing 10mm test sieve	Determination of Total Organic Carbon in soils
VPHS	MS - CL - VPH	As received	Passing 10mm test sieve	Determination of VPH in soils via Headspace-GC-MS
WSBORONS	MS - CL - WS Boron	Air dried	Passing 10mm test sieve	Determination of Water soluble Boron in soils via ICP

E26/03843/SWA/26-12157

Windy Arbor SES41704

HWOL TPH Acronym Index

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics and Aromatics
AL	Aliphatics Only
AR	Aromatics Only
2D	GC-GC - Double Coil Gas Chromatography
#1	EH_Total but with humics mathematically subtracted
#2	EH_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (except for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry

Key of Codes	
[1]	EH_1D_TOTAL
[2]	EH_CU_1D_TOTAL
[3]	EH_CU+HS_1D_TOTAL
[4]	EH_1D+HS_MS_TOTAL
[5]	HS_MS_1D_AL
[6]	HS_MS_1D_AR
[7]	HS_MS_1D_TOTAL
[8]	EH_CU_1D_AL
[9]	EH_CU_1D_AR
[10]	EH_2D+HS_1D_TOTAL
[11]	EH_CU_2D+HS_1D_TOTAL
[12]	EH_2D_TOTAL
[13]	EH_2D_AL
[14]	EH_2D_AR
[15]	EH_CU_2D_TOTAL
[16]	EH_CU_2D_AL
[17]	EH_CU_2D_AR

APPENDIX E – PHOTOGRAPHS OF VALIDATION PITS



Plot 9



Plot 10



Plot 11



Plot 12



Plot 13



Plot 22



Plot 23



Plot 24



Plot 25



Plot 26



Plot 27



Plot 28



Plot 29



Public Open Space 1



Public Open Space 2



Public Open Space 3

APPENDIX E – PHOTOGRAPHS OF VALIDATION PITS



Plot 1



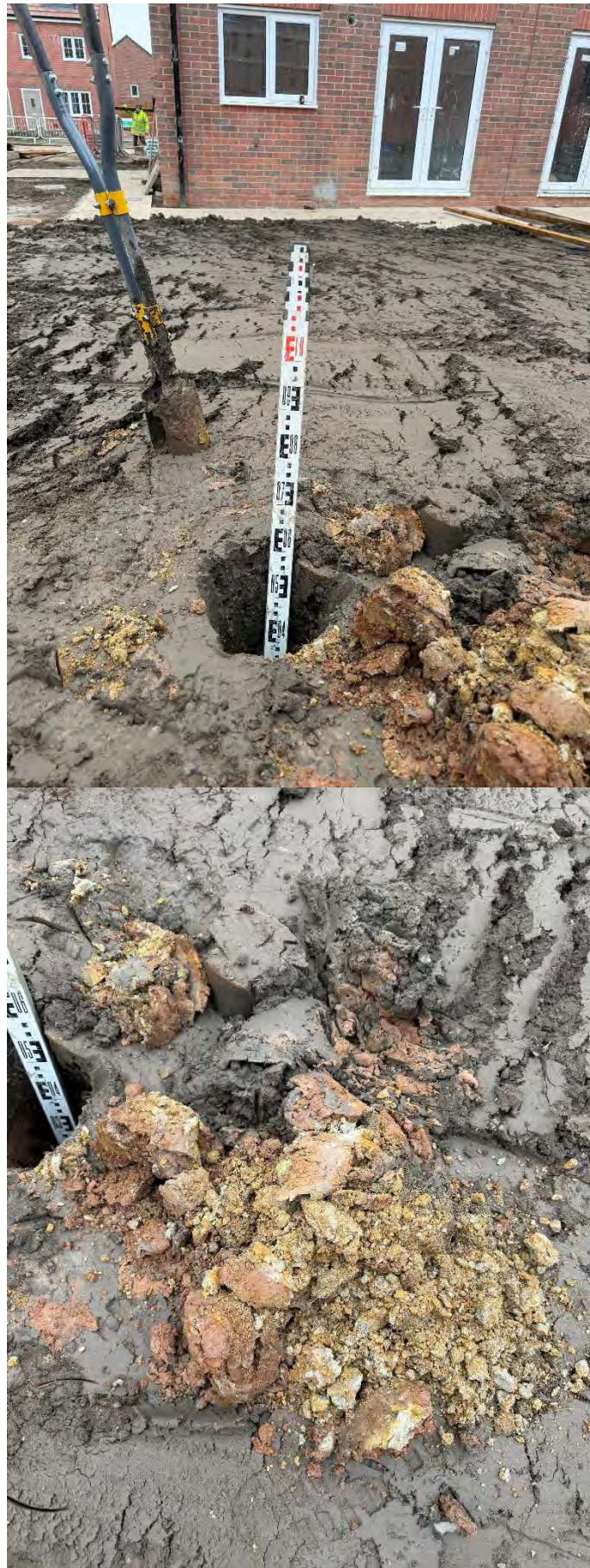
Plot 3



Plot 4



Plot 6



Plot 7



Plot 21



Plot 19



Plot 17



Plot 15



Plot 14