

Report No	Date
25061/R1	October 2025
Project COED D'ARCY – SOIL VERIFICATION REPORT: PLOTS 25 TO 57	
Client	TRJ

**Spectrum Geo Services
Foxglove Cottage,
Cwm Risca Lane,
Tondur,
BRIDGEND
CF32 0EH**

Report No:	Date:
25061/R1	October 2025

Project:
COED D'ARCY – SOIL VERIFICATION REPORT: PLOTS 25 TO 57

Issue Number	Status	Description of Amendments
1	Draft	

Report prepared by:
Signed  BSc.(Hons), MSc., FGS, CGeol

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FOREWORD

General Conditions Relating to a Verification Report

This investigation has been devised to generally comply with the relevant principles and requirements of B.S.10175:2011+A2:2017 'Investigation of potentially contaminated sites - Code of practice', science report SC050021/SR3 'Updated Technical Background to the CLEA Model' (Environment Agency, 2008), and DEFRA/Environment Agency (EA), 2019 'land contamination: risk management'. The recommendations made and opinions expressed in this report are based on the information obtained from the sources described using a methodology intended to provide reasonable consistency and robustness.

The opinions expressed in this report are based on the ground conditions revealed by the site works, together with an assessment of the site and of laboratory test results. Whilst opinions may be expressed relating to sub-soil conditions in parts of the site not investigated, for example between exploratory positions, these are only for guidance and no liability can be accepted for their accuracy.

Boring and sampling procedures are undertaken in accordance with B.S.5930:2015 +A1:2020 'Code of Practice for Ground Investigations'. Likewise, in-situ and laboratory testing complies with B.S.1377:1990 'Methods of Tests for Soils for Civil Engineering Purposes' and B.S.22475:2011, unless stated otherwise in the text. Chemical testing has been undertaken by a UKAS accredited laboratory.

Some items of the investigation have been provided by third parties and whilst Spectrum Geo Services Ltd (SGS) have no reason to doubt the accuracy, the items relied on have not been verified. No responsibility can be accepted for errors within third party items presented in this report.

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1.0 TERMS OF REFERENCE AND INTRODUCTION

The work covered by this document was undertaken on behalf of TRJ, in general accordance with and amendment to the following document:

- *BP Area 1 Remediation. Validation Report. 44382729/BRRP0004. URS 18 January 2010*

The work described in this report represents validation and verification of the required remediation, within that report, comprising soil chemistry limits set out within that report.

1.2 Scope of Works

The objectives of this assessment are:

- To verify the chemical nature of the soils at Plots 25 to 57, to ensure compliance with the validation suite set out by URS on Page 41 of their Remediation Report.
- This verification does not include gas membrane assessments.

1.3 Development Proposals

It is understood that the intention is to develop the site for the purposes of a residential use, with soft landscaped gardens.

1.4 Limitations

Subsoils are inherently variable and by their very nature are hidden from view such that no investigation can be exhaustive to the extent that all soil conditions are revealed. Conditions may therefore be present beneath the site that was not apparent from the data available for review.

Unless specifically noted to the contrary, it should be assumed that this report has not been submitted to any regulatory authorities for approval. Redevelopment sites in particular may have planning conditions attached in respect of contaminated land assessment. Where we are made aware of such conditions in advance of scoping the works, we can tailor the report to the regulatory authority requirements. Where we are not made aware of any such requirements there can be no certainty that our investigation will meet any or all the regulatory authority requirements.

2.0 BACKGROUND INFORMATION

2.1 Verification Report Structure

This document has been set out as follows:

- A brief background of the site and nature of the remediation verification planned.
- A description of the activities undertaken.
- Concluding with an assessment of the compliance with the URS validation suites limits.
- Further Recommendations

2.2 Site Location

The site is located at Coed D'Arcy, the site of the former BP Llandarcy oil refinery.

At the time of the investigation, the site comprised an open area of partially developed residential units.

2.3 Previous Reports

SGS had previously investigated the site within:

- *BP Area 1 Remediation. Validation Report. 44382729/BRRP0004. URS 18 January 2010*

3.0 SOIL TESTING

3.1 Introduction

Testing of soils in accordance with the enclosed URS validation suite was undertaken at each of the Plots 25 to 57, to determine the soil chemistry values. Testing was undertaken at a UKAS accredited laboratory. The results are appended to this report, together with an assessment of those values related to the URS validation suite.

Parameter	All remaining soils, excavated surplus soils and imported material ¹ (mg/kg) Residential	Excavated treated granular material (mg/kg)
Asbestos (sum of all types)	200	200
Arsenic ²	64	The quality of the material was not be affected by its treatment, other than as regards the asbestos content. Testing of this material for parameters other than asbestos had previously been undertaken.
Cadmium	3.6	
Chromium	130	
Mercury ²	1	
Nickel ²	50	
Selenium	3	
Lead ²	337	
Vanadium	416	
Copper ²	478	
Zinc ³	3280	
Benzene	0.12	
Ethylbenzene	37	
Toluene	36	
Xylene	32	
Benzo(a)pyrene ^{2,4}	0.9	
1,2-Dichloroethane	0.04	
Dichloromethane	5	
Tetrachloroethene	11	
Trichloroethene	1	
Vinyl Chloride	0.01	

Parameter	All remaining soils, excavated surplus soils and imported material ¹ (mg/kg) Residential	Excavated treated granular material (mg/kg)
1,2-Dichloroethene	4	
1,1,1-Trichloroethane	154	
TPH	1,717	

Table 3: URS Soil Validation Limits

Site testing was undertaken on 07 October 2025, and comprised hand dug trial pits to 600mm, or rockhead. All locations noted Made Ground, with no hydrocarbon odours. At Plots 25 and 26, rock head was noted at between 500mm to 600mm depth.

General photographs of the landscaped areas are appended.

4.0 CONCLUSIONS

All test results were in accordance with the limits set out by URS within Table 3.

The plots will be required to have a total of 600mm of this compliant material, including 100mm of topsoil, with a “no dig” separation barrier at the base of the 600mm.

Verification of this soil structure will need to be undertaken at 1 in 4 plots, to ensure depth and chemical compliance.

APPENDIX A

Drawings

Site Boundary

APPENDIX B

Soil Validation

Soil Test Results

Comparison with URS Validation Limits

General Site Photographs



This line should measure 70mm when printed correctly				
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Rev	Date	By	Chk	Description
C01	15.04.2024	AP	AJP	First Issue
C02	20.02.2025	AP	AJP	Key ledged added, PV and ASHP added to all plots, Sheets and bin stores added in line with Pobl spec.

Key Ledges

- Electric Meter Box
- EV Charging
- BT
- SVP
- RWP
- ASHP
- PV Panel
- Tool/Bike Store
- Bin Store
- Rotary Clothes Line
- BATTERY

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Registered Office: England No. 08558209

Project Name
Residential Development
Coed Darcy Phase 2 (Pobl)

Client Name
TRJ

Drawing Title
Site Plan

Scale
1/100 @ A1

Project No.
9856

Status
C1

Purpose Of Issue
Issued for Construction

Project	Orig	Vol	Level	Form	Role
11341	RL	ZZ	00	DR	A

Number
0920

Revision
C02

APPENDIX B

Soil Validation

Soil Test Results

Comparison with URS Validation Limits

General Site Photographs

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 25/11651
Issue Number: 1

Date: 22 October, 2025

Client: Spectrum Geo Services
Foxglove Cottage
Cwm Risca Lane
Tondu
Wales
CF32 0EH

Project Manager: Rob Griffiths
Project Name: Coed Darcy
Project Ref: 25061
Order No: 25061/01
Date Samples Received: 14/10/25
Date Instructions Received: 14/10/25
Date Analysis Completed: 22/10/25

Approved by:



Gemma Berrisford
Deputy Client Services Supervisor

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/1	25/11651/2	25/11651/3	25/11651/4	25/11651/5	25/11651/6	25/11651/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	25	26	27	28	29	30	31			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Depth To Bottom	0.50	0.50	0.50	0.50	0.50	0.50	0.50			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4A	5AE	4AE	4A			
% Stones >10mm _A	22.0	27.6	10.5	20.2	21.0	23.4	10.0	% w/w	0.1	A-T-044
Arsenic _D ^{M#}	5	7	8	10	6	5	5	mg/kg	1	A-T-024s
Cadmium _D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-024s
Copper _D ^{M#}	17	23	28	26	17	18	15	mg/kg	1	A-T-024s
Chromium _D ^{M#}	10	12	15	10	10	22	13	mg/kg	1	A-T-024s
Lead _D ^{M#}	23	35	36	37	24	40	21	mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	23	14	25	14	13	14	15	mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium _D ^{M#}	10	15	16	12	13	18	13	mg/kg	1	A-T-024s
Zinc _D ^{M#}	74	84	118	93	87	152	99	mg/kg	1	A-T-024s
Benzo(a)pyrene _A ^{M#}	0.21	0.16	0.35	0.20	0.10	0.24	0.20	mg/kg	0.04	A-T-019s
Vinyl Chloride (Chloroethene) _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dichloromethane _A	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006s
cis 1,2-Dichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethene _A [#]	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
Trichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/1	25/11651/2	25/11651/3	25/11651/4	25/11651/5	25/11651/6	25/11651/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	25	26	27	28	29	30	31			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Depth To Bottom	0.50	0.50	0.50	0.50	0.50	0.50	0.50			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4A	5AE	4AE	4A			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _D #	NAD	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	N/A			A-T-045

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/1	25/11651/2	25/11651/3	25/11651/4	25/11651/5	25/11651/6	25/11651/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	25	26	27	28	29	30	31			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Depth To Bottom	0.50	0.50	0.50	0.50	0.50	0.50	0.50			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4A	4A	4A	5AE	4AE	4A			
TPH CWG with Clean Up										
Ali >C5-C6 _A	<0.01	<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	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1	<1	<1	<5	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1	<1	4	<5	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1	<1	10	<5	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	<1	<1	<1	8	<1	2	mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	3	2	12	5	45	12	22	mg/kg	1	A-T-055s
Total Aliphatics _A	3	2	13	20	56	13	24	mg/kg	1	Calc-As Recd
Aro >C5-C7 _A [#]	<0.01	<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	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1	<1	<1	<5	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12 _A	<1	<1	<1	<1	<5	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16 _A	<1	<1	<1	3	27	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	<1	<1	3	2	199	2	5	mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	4	5	15	8	390	11	30	mg/kg	1	A-T-055s
Total Aromatics _A	5	6	19	13	615	14	37	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35) _A	8	8	32	34	672	27	61	mg/kg	1	Calc-As Recd
BTEX - Benzene _A [#]	<0.01	<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	<0.01	<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	<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	<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	<0.01	mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/8	25/11651/9	25/11651/10	25/11651/11	25/11651/12	25/11651/13	25/11651/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	32	33	34	35	36	37	38			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Depth To Bottom	0.50	0.50	0.50	0.60	0.50	0.50	0.50			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4AB	4ABE	4A	4A	4A	4A			
% Stones >10mm _A	23.0	18.3	<0.1	10.5	36.4	14.5	8.6	% w/w	0.1	A-T-044
Arsenic _D ^{M#}	6	5	9	5	5	8	4	mg/kg	1	A-T-024s
Cadmium _D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-024s
Copper _D ^{M#}	28	20	25	22	17	89	16	mg/kg	1	A-T-024s
Chromium _D ^{M#}	25	12	15	13	9	11	12	mg/kg	1	A-T-024s
Lead _D ^{M#}	18	20	24	20	17	16	13	mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	20	18	25	26	17	16	18	mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium _D ^{M#}	22	14	15	13	10	12	13	mg/kg	1	A-T-024s
Zinc _D ^{M#}	63	70	96	74	64	76	49	mg/kg	1	A-T-024s
Benzo(a)pyrene _A ^{M#}	0.11	0.12	0.20	0.08	0.10	<0.04	<0.04	mg/kg	0.04	A-T-019s
Vinyl Chloride (Chloroethene) _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dichloromethane _A	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006s
cis 1,2-Dichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethene _A [#]	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
Trichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/8	25/11651/9	25/11651/10	25/11651/11	25/11651/12	25/11651/13	25/11651/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	32	33	34	35	36	37	38			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Depth To Bottom	0.50	0.50	0.50	0.60	0.50	0.50	0.50			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4AB	4ABE	4A	4A	4A	4A			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _D #	NAD	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	N/A			A-T-045

Envirolab Job Number: 25/11651

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Lab Sample ID	25/11651/8	25/11651/9	25/11651/10	25/11651/11	25/11651/12	25/11651/13	25/11651/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	32	33	34	35	36	37	38			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Depth To Bottom	0.50	0.50	0.50	0.60	0.50	0.50	0.50			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	4A	4AB	4ABE	4A	4A	4A	4A			
TPH CWG with Clean Up										
Ali >C5-C6 _A	<0.01	<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	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1	<1	<1	<1	21	18	mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1	<1	<1	<1	61	71	mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	<1	<1	<1	<1	<1	2	mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	12	8	13	2	2	<1	6	mg/kg	1	A-T-055s
Total Aliphatics _A	13	9	13	2	2	84	98	mg/kg	1	Calc-As Recd
Aro >C5-C7 _A [#]	<0.01	<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	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12 _A	<1	<1	<1	<1	<1	2	2	mg/kg	1	A-T-055s
Aro >C12-C16 _A	2	<1	1	<1	<1	9	9	mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	3	2	2	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	14	7	10	2	3	<1	4	mg/kg	1	A-T-055s
Total Aromatics _A	19	10	13	2	4	11	16	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35) _A	32	18	26	4	6	96	114	mg/kg	1	Calc-As Recd
BTEX - Benzene _A [#]	<0.01	<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	<0.01	<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	<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	<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	<0.01	mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/15	25/11651/16	25/11651/17	25/11651/18	25/11651/19	25/11651/20	25/11651/21	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	39	40	46	47	48	49	49			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.30			
Depth To Bottom	0.50	0.50	0.50	0.50	0.50	0.40	0.30			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	6A	6A	6A	6A	6A	6AE	6A			
% Stones >10mm _A	<0.1	<0.1	18.0	9.5	29.4	20.0	<0.1	% w/w	0.1	A-T-044
Arsenic _D ^{M#}	12	10	8	11	6	7	8	mg/kg	1	A-T-024s
Cadmium _D	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	mg/kg	1	A-T-024s
Copper _D ^{M#}	38	33	18	39	18	21	14	mg/kg	1	A-T-024s
Chromium _D ^{M#}	15	15	14	12	10	12	16	mg/kg	1	A-T-024s
Lead _D ^{M#}	54	48	33	38	22	26	28	mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17	<0.34	<0.17	<0.17	<0.17	<0.34	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	15	18	19	21	15	15	19	mg/kg	1	A-T-024s
Selenium _D ^{M#}	2	<1	<2	<1	<1	<1	<2	mg/kg	1	A-T-024s
Vanadium _D ^{M#}	17	16	18	14	11	15	23	mg/kg	1	A-T-024s
Zinc _D ^{M#}	112	118	101	108	76	86	91	mg/kg	1	A-T-024s
Benzo(a)pyrene _A ^{M#}	<0.04	0.06	0.15	0.07	0.10	0.23	<0.04	mg/kg	0.04	A-T-019s
Vinyl Chloride (Chloroethene) _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dichloromethane _A	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006s
cis 1,2-Dichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethene _A [#]	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
Trichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/15	25/11651/16	25/11651/17	25/11651/18	25/11651/19	25/11651/20	25/11651/21	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	39	40	46	47	48	49	49			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.30			
Depth To Bottom	0.50	0.50	0.50	0.50	0.50	0.40	0.30			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	6A	6A	6A	6A	6A	6AE	6A			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _D #	NAD	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	N/A			A-T-045

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/15	25/11651/16	25/11651/17	25/11651/18	25/11651/19	25/11651/20	25/11651/21	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	39	40	46	47	48	49	49			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.30			
Depth To Bottom	0.50	0.50	0.50	0.50	0.50	0.40	0.30			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	6A	6A	6A	6A	6A	6AE	6A			
TPH CWG with Clean Up										
Ali >C5-C6 _A	<0.01	<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	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	5	4	2	2	3	6	1	mg/kg	1	A-T-055s
Total Aliphatics _A	5	4	2	2	3	7	1	mg/kg	1	Calc-As Recd
Aro >C5-C7 _A [#]	<0.01	<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	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12 _A	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16 _A	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	<1	1	<1	<1	<1	2	<1	mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	3	3	2	2	5	6	<1	mg/kg	1	A-T-055s
Total Aromatics _A	3	4	2	2	5	7	<1	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35) _A	8	9	4	4	8	15	1	mg/kg	1	Calc-As Recd
BTEX - Benzene _A [#]	<0.01	<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	<0.01	<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	<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	<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	<0.01	mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/22	25/11651/23	25/11651/24	25/11651/25	25/11651/26	25/11651/27	25/11651/28	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	50	51	51	52	53	55	56			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Depth To Bottom	0.50	0.30	0.50	0.50	0.50	0.50	0.60			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	6AE	6AE	6AE	6AE	5AE	4A	5A			
% Stones >10mm _A	<0.1	<0.1	7.5	16.6	14.9	16.5	25.6	% w/w	0.1	A-T-044
Arsenic _D ^{M#}	9	9	6	8	10	8	6	mg/kg	1	A-T-024s
Cadmium _D	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-024s
Copper _D ^{M#}	18	38	25	39	33	28	17	mg/kg	1	A-T-024s
Chromium _D ^{M#}	16	17	13	11	11	15	10	mg/kg	1	A-T-024s
Lead _D ^{M#}	32	37	27	50	65	44	21	mg/kg	1	A-T-024s
Mercury _D	<0.34	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	20	21	20	22	22	14	12	mg/kg	1	A-T-024s
Selenium _D ^{M#}	<2	1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium _D ^{M#}	22	17	15	11	12	18	11	mg/kg	1	A-T-024s
Zinc _D ^{M#}	95	120	86	164	162	205	61	mg/kg	1	A-T-024s
Benzo(a)pyrene _A ^{M#}	0.06	0.15	0.06	0.25	0.09	0.49	0.12	mg/kg	0.04	A-T-019s
Vinyl Chloride (Chloroethene) _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dichloromethane _A	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006s
cis 1,2-Dichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethene _A [#]	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
Trichloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene _A [#]	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/22	25/11651/23	25/11651/24	25/11651/25	25/11651/26	25/11651/27	25/11651/28	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	50	51	51	52	53	55	56			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Depth To Bottom	0.50	0.30	0.50	0.50	0.50	0.50	0.60			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	6AE	6AE	6AE	6AE	5AE	4A	5A			
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _D #	NAD	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	N/A			A-T-045

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/22	25/11651/23	25/11651/24	25/11651/25	25/11651/26	25/11651/27	25/11651/28	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	50	51	51	52	53	55	56			
Depth to Top	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Depth To Bottom	0.50	0.30	0.50	0.50	0.50	0.50	0.60			
Date Sampled	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25			
Sample Type	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES	SOIL - ES			
Sample Matrix Code	6AE	6AE	6AE	6AE	5AE	4A	5A			
TPH CWG with Clean Up										
Ali >C5-C6 _A	<0.01	<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	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	1	1	<1	<1	3	<1	mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	5	13	4	5	9	61	7	mg/kg	1	A-T-055s
Total Aliphatics _A	5	14	5	5	9	64	9	mg/kg	1	Calc-As Recd
Aro >C5-C7 _A [#]	<0.01	<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	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1	<1	<1	<1	<1	<1	2	mg/kg	1	A-T-055s
Aro >C10-C12 _A	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16 _A	4	<1	<1	<1	<1	3	<1	mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	5	4	1	2	2	12	2	mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	5	15	3	6	10	68	6	mg/kg	1	A-T-055s
Total Aromatics _A	13	19	4	8	12	83	9	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35) _A	18	33	9	13	22	147	18	mg/kg	1	Calc-As Recd
BTEX - Benzene _A [#]	<0.01	<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	<0.01	<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	<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	<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	<0.01	mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/29									
Client Sample No										
Client Sample ID	57									
Depth to Top	0.00									
Depth To Bottom	0.60									
Date Sampled	09-Oct-25									
Sample Type	SOLID									
Sample Matrix Code	7									
								Units	Limit of Detection	Method ref
% Stones >10mm _A	<0.1							% w/w	0.1	A-T-044
Arsenic _D ^{M#}	5 ^U							mg/kg	1	A-T-024s
Cadmium _D	<1.0							mg/kg	1	A-T-024s
Copper _D ^{M#}	17 ^U							mg/kg	1	A-T-024s
Chromium _D ^{M#}	13 ^U							mg/kg	1	A-T-024s
Lead _D ^{M#}	29 ^U							mg/kg	1	A-T-024s
Mercury _D	<0.17							mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	16 ^U							mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1 ^U							mg/kg	1	A-T-024s
Vanadium _D ^{M#}	15 ^U							mg/kg	1	A-T-024s
Zinc _D ^{M#}	74 ^U							mg/kg	1	A-T-024s
Benzo(a)pyrene _A ^{M#}	0.39 ^U							mg/kg	0.04	A-T-019s
Vinyl Chloride (Chloroethene) _A [#]	<1 ^U							µg/kg	1	A-T-006s
Dichloromethane _A	<5							µg/kg	5	A-T-006s
cis 1,2-Dichloroethene _A [#]	<1 ^U							µg/kg	1	A-T-006s
1,1,1-Trichloroethane _A [#]	<1 ^U							µg/kg	1	A-T-006s
1,2-Dichloroethane _A [#]	<2 ^U							µg/kg	2	A-T-006s
Trichloroethene _A [#]	<1 ^U							µg/kg	1	A-T-006s
Tetrachloroethene _A [#]	<1 ^U							µg/kg	1	A-T-006s

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/29							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	57									
Depth to Top	0.00									
Depth To Bottom	0.60									
Date Sampled	09-Oct-25									
Sample Type	SOLID									
Sample Matrix Code	7									
Asbestos in Soil (inc. matrix) ^										
Asbestos in soil _D #	NAD ^U									A-T-045
Asbestos Matrix (visual) _D	-									A-T-045
Asbestos Matrix (microscope) _D	-									A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _D	N/A									A-T-045

Envirolab Job Number: 25/11651

Client Project Name: Coed Darcy

Client Project Ref: 25061

Lab Sample ID	25/11651/29									
Client Sample No										
Client Sample ID	57									
Depth to Top	0.00									
Depth To Bottom	0.60									
Date Sampled	09-Oct-25									
Sample Type	SOLID									
Sample Matrix Code	7									
TPH CWG with Clean Up										
Ali >C5-C6 _A	<0.01							mg/kg	0.01	A-T-022s
Ali >C6-C8 _A	<0.01							mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	<1							mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1 ^U							mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1 ^U							mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	3 ^U							mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	64 ^U							mg/kg	1	A-T-055s
Total Aliphatics _A	67							mg/kg	1	Calc-As Recd
Aro >C5-C7 _A [#]	<0.01 ^U							mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01 ^U							mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	<1							mg/kg	1	A-T-055s
Aro >C10-C12 _A	<1							mg/kg	1	A-T-055s
Aro >C12-C16 _A	1							mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	6 ^U							mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	38 ^U							mg/kg	1	A-T-055s
Total Aromatics _A	46							mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35) _A	112							mg/kg	1	Calc-As Recd
BTEX - Benzene _A [#]	<0.01 ^U							mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01 ^U							mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01 ^U							mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01 ^U							mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01 ^U							mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01 ^U							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: Spectrum Geo Services, Foxglove Cottage, Cwm Risca Lane, Tondu, Wales,
CF32 0EH

Project: Coed Darcy
Clients Project No: 25061

Project No: 25/11651
Date Received: 14/10/2025 (am)
Cool Box Temperatures (°C): 12.4, 12.2, 11.9

NO DEVIATIONS IDENTIFIED

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

Envirolab Analysis Dates

Lab Sample ID	25/11651/1	25/11651/2	25/11651/3	25/11651/4	25/11651/5	25/11651/6	25/11651/7	25/11651/8	25/11651/9	25/11651/10	25/11651/11	25/11651/12
Client Sample No												
Client Sample ID/Depth	25 0.00-0.50m	26 0.00-0.50m	27 0.00-0.50m	28 0.00-0.50m	29 0.00-0.50m	30 0.00-0.50m	31 0.00-0.50m	32 0.00-0.50m	33 0.00-0.50m	34 0.00-0.50m	35 0.00-0.60m	36 0.00-0.50m
Date Sampled	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25
A-T-006s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-019s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-022s	21/10/2025	21/10/2025	21/10/2025	21/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	21/10/2025
A-T-024s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-044	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-045	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025
A-T-055s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	21/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
Calc-As Recd	21/10/2025	21/10/2025	21/10/2025	21/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	21/10/2025

Lab Sample ID	25/11651/13	25/11651/14	25/11651/15	25/11651/16	25/11651/17	25/11651/18	25/11651/19	25/11651/20	25/11651/21	25/11651/22	25/11651/23	25/11651/24
Client Sample No												
Client Sample ID/Depth	37 0.00-0.50m	38 0.00-0.50m	39 0.00-0.50m	40 0.00-0.50m	46 0.00-0.50m	47 0.00-0.50m	48 0.00-0.50m	49 0.00-0.40m	49 0.30-0.30m	50 0.00-0.50m	51 0.00-0.30m	51 0.00-0.50m
Date Sampled	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25
A-T-006s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-019s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-022s	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-024s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-044	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-045	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025
A-T-055s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025
Calc-As Recd	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025

Lab Sample ID	25/11651/25	25/11651/26	25/11651/27	25/11651/28	25/11651/29
Client Sample No					
Client Sample ID/Depth	52 0.00-0.50m	53 0.00-0.50m	55 0.00-0.50m	56 0.00-0.60m	57 0.00-0.60m
Date Sampled	09/10/25	09/10/25	09/10/25	09/10/25	09/10/25
A-T-006s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-019s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-022s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-024s	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-044	20/10/2025	20/10/2025	20/10/2025	20/10/2025	20/10/2025
A-T-045	16/10/2025	16/10/2025	16/10/2025	16/10/2025	16/10/2025
A-T-055s	21/10/2025	21/10/2025	21/10/2025	21/10/2025	21/10/2025
Calc-As Recd	21/10/2025	21/10/2025	21/10/2025	20/10/2025	21/10/2025

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

End of Report

Client: Spectrum Geo Services
Client Project Name: Coed Darcy
Client Project Ref: 25061

Lab Sample ID	Units	Limit of Detection	Method	URS Agreed Limits	25/11651/1	25/11651/2	25/11651/3	25/11651/4	25/11651/5	25/11651/6	25/11651/7	25/11651/8	25/11651/9	25/11651/10	25/11651/11	25/11651/12	25/11651/13	25/11651/14	25/11651/15	25/11651/16	25/11651/17	25/11651/18	25/11651/19	25/11651/20	25/11651/21				
Client Sample No																													
Client Sample ID																													
Depth to Top									25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	46	47	48	49	49
Depth to Bottom									0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
Date Sampled									0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.30
Sample Type									09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25	09-Oct-25
Sample Matrix Code					Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
% Stones >10mm	% w/w	0.1	A-T-044		4A	4A	4A	2A	5AE	4AE	4A	4A	4AB	4ABE	4A	4A	4A	4A	6A	6A	6A	6A	6AE	6A					
Arsenic	mg/kg	1	A-T-024s	64	5	7	8	10	6	5	5	6	5	9	5	5	8	4	12	10	8	11	6	7	8				
Cadmium	mg/kg	1	A-T-024s	3.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0				
Copper	mg/kg	1	A-T-024s	478	17	23	28	26	17	18	15	28	20	25	22	17	89	16	38	33	18	39	18	21	14				
Chromium	mg/kg	1	A-T-024s	130	10	12	15	10	10	22	13	25	12	15	13	9	11	12	15	15	14	12	10	12	16				
Lead	mg/kg	1	A-T-024s	337	23	35	36	37	24	40	21	18	20	24	20	17	16	13	54	48	33	38	22	26	28				
Mercury	mg/kg	0.17	A-T-024s	1	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.34	<0.17	<0.17	<0.17	<0.34				
Nickel	mg/kg	1	A-T-024s	50	23	14	25	14	13	14	15	20	18	25	26	17	16	18	15	18	19	21	15	15	19				
Selenium	mg/kg	1	A-T-024s	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<2	<1	<1	<1	<2				
Vanadium	mg/kg	1	A-T-024s	416	10	15	16	12	13	18	13	22	14	15	13	10	12	13	17	16	18	14	11	15	23				
Zinc	mg/kg	1	A-T-024s	3280	74	84	118	93	87	152	99	63	70	96	74	64	76	49	112	118	101	108	76	86	91				
Benzo(a)pyrene	mg/kg	0.04	A-T-019s	0.90	0.21	0.16	0.35	0.2	0.1	0.24	0.2	0.11	0.12	0.2	0.08	0.1	<0.04	<0.04	<0.04	<0.04	0.06	0.15	0.07	0.1	0.23	<0.04			
Vinyl Chloride (Chloroethene)	µg/kg	1	A-T-006s	0.01	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Dichloromethane	µg/kg	5	A-T-006s	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5				
cis 1,2-Dichloroethene	µg/kg	1	A-T-006s	0.04	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	µg/kg	1	A-T-006s	154	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
1,2-Dichloroethane	µg/kg	2	A-T-006s	4	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2				
Trichloroethene	µg/kg	1	A-T-006s	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Tetrachloroethene	µg/kg	1	A-T-006s	11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Asbestos in Soil (inc. matrix) ^																													
Asbestos in soil			A-T-045		NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD				
Asbestos Matrix (visual)			A-T-045		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Asbestos Matrix (microscope)			A-T-045		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Asbestos ACM - Suitable for Water Absorption Test?			A-T-045		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
TPH CWG with Clean Up																													
Ali >C5-C6	mg/kg	0.01	A-T-022s		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Ali >C6-C8	mg/kg	0.01	A-T-022s		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Ali >C8-C10	mg/kg	1	A-T-055s		<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Ali >C10-C12	mg/kg	1	A-T-055s		<1	<1	<1	4	<5	<1	<1	<1	<1	<1	<1	21	18	<1	<1	<1	<1	<1	<1	<1	<1				
Ali >C12-C16	mg/kg	1	A-T-055s		<1	<1	<1	10	<5	<1	<1	<1	<1	<1	<1	61	71	<1	<1	<1	<1	<1	<1	<1	<1				
Ali >C16-C21	mg/kg	1	A-T-055s		<1	<1	<1	<1	8	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Ali >C21-C35	mg/kg	1	A-T-055s		3	2	12	5	45	12	22	12	8	13	2	2	<1	6	5	4	2	3	6	1					
Total Aliphatics	mg/kg	1	Calc-As Recd		3	2	13	20	56	13	24	13	9	13	2	2	84	98	5	4	2	2	3	7	1				
Aro >C5-C7	mg/kg	0.01	A-T-022s		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Aro >C7-C8	mg/kg	0.01	A-T-022s		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Aro >C8-C10	mg/kg	1	A-T-055s		<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
Aro >C10-C12	mg/kg	1	A-T-055s		<1	<1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	2	2	<1	<1	<1	<1	<1	<1	<1				
Aro >C12-C16	mg/kg	1	A-T-055s		<1	<1	<1	3	27	<1	<1	2	<1	1	<1	9	9	<1	<1	<1	<1	<1	<1	<1	<1				
Aro >C16-C21	mg/kg	1	A-T-055s		<1	<1	3	2	199	2	5	3	2	2	<1	<1	<1	<1	<1	1	<1	<1	2	<1	<1				
Aro >C21-C35	mg/kg	1	A-T-055s		4	5	15	8	390	11	30	14	7	10	2	3	<1	4	3	3	2	2	5	6	<1				
Total Aromatics	mg/kg	1	Calc-As Recd		5	6	19	13	615	14	37	19	10	13	2	4	11	16	3	4	2	2	5	7	<1				
TPH (Ali & Aro >C5-C35)	mg/kg	1	Calc-As Recd	1717	8	8	32	34	672	27	61	32	18	26	4	6	96	114	8	9	4	4	8	15	1				
BTEX - Benzene	mg/kg	0.01	A-T-022s	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
BTEX - Toluene	mg/kg	0.01	A-T-022s	36	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
BTEX - Ethyl Benzene	mg/kg	0.01	A-T-022s	37	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
BTEX - m & p Xylene	mg/kg	0.01	A-T-022s	32	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
BTEX - o Xylene	mg/kg	0.01	A-T-022s	32	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
MTBE	mg/kg	0.01	A-T-022s		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				

Client: Spectrum Geo Services
Client Project Name: Coed Darcy
Client Project Ref: 25061

[illegible]

Asbestos in Soil (inc. matrix) ^										
Asbestos in soil			NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
Asbestos Matrix (visual)			-	-	-	-	-	-	-	-
Asbestos Matrix (microscope)			-	-	-	-	-	-	-	-
Asbestos ACM - Suitable for Water Absorption Test?			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

[illegible]





