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Report No	Date
22047/R1	April 2022
Project	CAE NANT, SKEWEN – REMEDIATION VERIFICATION REPORT
Client	Castell Construction Ltd.

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

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Report No:	Date:
22047/R1	April 2022

Project:
CAE NANT, SKEWEN – REMEDIATION VERIFICATION REPORT

Issue Number	Status	Description of Amendments
1	Draft	

Report prepared by:	
Signed 	April 2022

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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.

This report is produced in accordance with the scope of SGS's appointment and is subject to the terms of appointment. SGS accepts no liability for any use of this document other than by its client and only for the purposes, for which it was designed and produced. No responsibility can be accepted for any consequences of this information being passed to a third party who may act upon its contents/recommendations.

Any advice, opinions, or recommendations within this document should be read and relied upon only in the context of the document as a whole. The contents of this document are not to be construed as providing legal, business or tax advice or opinion.

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1.0 TERMS OF REFERENCE AND INTRODUCTION

The work covered by this document was undertaken on behalf of Castell Construction Ltd., in accordance with the following document:

- *Cae Nant Terrace – Cover Thickness Report, 2094/R2 - October 2020*

The work described in this report represents validation and verification of Cover System Remediation designed and undertaken by Spectrum Geo Services Ltd. (SGS), comprising a suitable soil cover system (300mm and 325mm of combined subsoil and topsoil)..

Block A required a 350mm thickness and Block B a 325mm thickness. Trial holes were dug to prove the thicknesses and testing undertaken to ensure compliance of the imported materials.

1.2 Scope of Works

The objectives of this assessment are:

- To undertake a ground investigation and to obtain soil samples at site;
- To undertake chemical testing to develop an assessment of contamination levels,

SGS had previously undertaken the following reports, which should be read in conjunction with this verification report:

- *Cae Nant Terrace, Skewen – Site Investigation Report, 2004/R1 – February 2020*
- *Cae Nant Terrace, Skewen – Additional Site Investigation Report, 2094/R1 – October 2020.*

1.3 Development Proposals

It is understood that the intention is to develop the site for the purposes of Residential Development.

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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 of the regulatory authority requirements.

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2.0 BACKGROUND INFORMATION

2.1 Verification Report Structure

This document has been set out as follows:

- A brief background of the site, the findings of previous investigations and nature of the remediation planned.
- A description of the activities undertaken.
- Details of soil sampling undertaken.
- Concluding with an assessment of the compliance with the Remediation Strategy.

Appended to this document is supporting evidence as follows:

- Engineers logs and photographs taken during the verification of the suitability of the cover system material.
- Chemical analysis of the material used within the cover system (topsoil and subsoil).

2.2 Site Location

The development site is situated on Cae Nant Terrace, Skewen, Swansea, SA10 6UP. The site location plan is included in Figure 1.

The existing site is roughly rectangular and has previously been developed, with former buildings and rough unmetalled areas.

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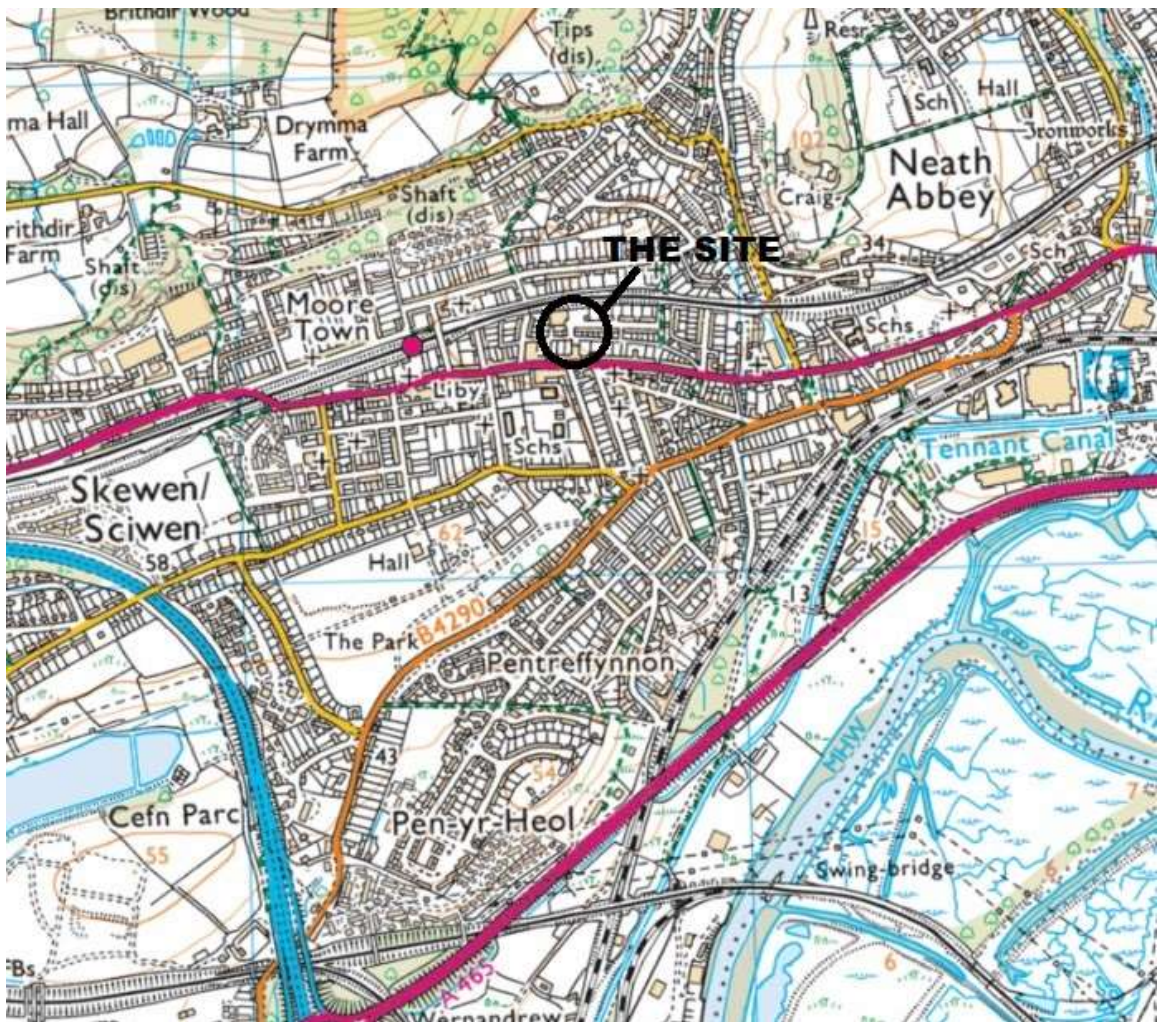


Figure 1. Site Location Plan

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2.3 Published Geology

Based on data available from the BGS webviewer, the following geological setting is anticipated;

Based on data available from the BGS webviewer, the following geological setting is anticipated;

- **Superficial deposits:**
- 1:50,000 scale superficial deposits description: Till, Devensian - Diamicton. Superficial Deposits formed up to 2 million years ago in the Quaternary Period. Local environment previously dominated by ice age conditions (U).
- Setting: ice age conditions (U). These sedimentary deposits are glacial in origin. They are detrital, created by the action of ice and meltwater, they can form a wide range of deposits and geomorphologies associated with glacial and inter-glacial periods during the Quaternary.
- **Solid Geology:**
- 1:50,000 scale bedrock geology description: Hughes Member - Sandstone. Sedimentary Bedrock formed approximately 308 to 310 million years ago in the Carboniferous Period. Local environment previously dominated by rivers.
- Setting: rivers. These sedimentary rocks are fluvial in origin. They are detrital, ranging from coarse- to fine-grained and form beds and lenses of deposits reflecting the channels, floodplains and levees of a river or estuary (if in a coastal setting).

2.4 Hydrology

The site has a channel running west/east at its northern boundary, a previous Knotweed infestation had been eradicated.

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3.0 SOIL REMEDIATION

The verification process developed was to ensure a capping of suitable cover soil, to 325 and 350mm thickness.

An Engineer from SGS attended the site over several visits. The remediated soils at each Block was investigated by hand digging to prove the cover thickness and to collect samples for testing in accordance with the WYG suite of contaminants.

The fieldwork locations are shown on drawing SGS/22047/01 included within the appendices. The trial pits were undertaken to record the thickness and physical descriptions of the materials present and to confirm material suitability.

3.1 Cover System Material

The material used for the cover system included site won subsoil and imported topsoil from a site at Five Roads. This material had been tested and proven to be inert for use in a Residential Setting with Plant Uptake.

The asbestos hotspot had been previously remediated by others.

3.2 Chemical Testing

The results were compared to GAC, Land Quality Management Limited and the Chartered Institute for Environmental Health published 'Suitable 4 Use Levels' (S4UL) as GAC for a range of substances, for a range of generic land uses. DEFRA published category four screening levels (C4SL) for six contaminants in March 2014 to assist practitioners in assessing land contamination under part IIA of the environmental protection act 1990. These have also been identified as suitable for use within the planning system, although it should be noted that they assume a higher level of acceptable risk than S4UL and earlier published GAC.

The end use for the plots in question is residential, this is covered by the 'residential with home-grown produce' generic land uses for which S4ULs are available.

The GAC (S4UL and C4SL) for the moderate classification of SOM (2.5%) has been used for the assessment due to the TOC results gathered from chemical laboratory testing.

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The results, compared with current guideline limits are shown in Table
SGS/22047/SGV1

ID		TP01	TP02	TP03	TP04	Residential With Plant Uptake 6% SOM
Depth to Top (m)		0	0	0	0	
% Stones >10mm	% w/w	<0.1	<0.1	8.8	6.5	
pH	pH	8.22	8.24	7.84	7.99	
Sulphate (acid soluble)	mg/kg	<1	<1	<1	<1	
Organic matter	% w/w	<0.2	<0.2	<0.2	<0.2	
Arsenic	mg/kg	7	7	6	7	37
Beryllium	mg/kg	0.5	<0.5	1.1	1	1.7
Boron (Water soluble)	mg/kg	1.4	1.4	<1.0	<1.0	290
Cadmium	mg/kg	1.8	1.7	2	2.1	11
Copper	mg/kg	29	26	21	22	2400
Chromium	mg/kg	17	16	27	26	910
Lead	mg/kg	29	29	40	65	200
Mercury	mg/kg	<0.17	<0.17	<0.17	<0.17	40
Nickel	mg/kg	33	35	28	29	180
Selenium	mg/kg	<1	<1	<1	<1	250
Vanadium	mg/kg	14	13	31	31	410
Zinc	mg/kg	103	96	139	130	3700
TPH Total (>C6-C40)	mg/kg	146	150	16	13	25394
PAH-16MS						
Acenaphthene	mg/kg	<0.01	<0.01	<0.01	<0.01	1100
Acenaphthylene	mg/kg	<0.01	<0.01	<0.01	<0.01	920
Anthracene	mg/kg	<0.02	<0.02	<0.02	<0.02	11000
Benzo(a)anthracene	mg/kg	<0.04	<0.04	<0.04	<0.04	13
Benzo(a)pyrene	mg/kg	<0.04	<0.04	<0.04	<0.04	3
Benzo(b)fluoranthene	mg/kg	<0.05	0.06	<0.05	<0.05	3.7
Benzo(ghi)perylene	mg/kg	<0.05	<0.05	<0.05	<0.05	350
Benzo(k)fluoranthene	mg/kg	<0.07	<0.07	<0.07	<0.07	100
Chrysene	mg/kg	<0.06	0.07	<0.06	<0.06	27
Dibenzo(ah)anthracene	mg/kg	<0.04	<0.04	<0.04	<0.04	0.3
Fluoranthene	mg/kg	<0.08	<0.08	<0.08	<0.08	890
Fluorene	mg/kg	<0.01	<0.01	<0.01	<0.01	860
Indeno(123-cd)pyrene	mg/kg	<0.03	<0.03	<0.03	<0.03	41
Naphthalene	mg/kg	<0.03	<0.03	<0.03	<0.03	13
Phenanthrene	mg/kg	0.05	0.06	<0.03	<0.03	440
Pyrene	mg/kg	<0.07	<0.07	<0.07	<0.07	2000
Total PAH-16MS	mg/kg	<0.08	0.19	<0.08	<0.08	17761

Table SGS/22047/SGV

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3.3 Trial Pitting

Four trial pits were hand dug to determine the thickness of the imported Cover System.

The logs are included in Appendix B, together with photographic plates which are also appended.

It was found that the depths complied with the Remediation Strategy, and were still to have turf added, the consequence of which would be a thicker capping system.

4.0 CONCLUSIONS

Spectrum Geo Services Limited considers that a suitable cover system of no-dig layers, suitable thickness, comprising chemically and physically suitable material, has been implemented.

This report should be submitted to the regulators together with details of the Asbestos Hot Spot removal, in order to conclude the remediation process.

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APPENDIX A

Drawings

Exploratory Hole Location Plans

SGS/22047/01

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APPENDIX B

Trial Pit Logs

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APPENDIX C

Laboratory Test Results

Chemical Testing

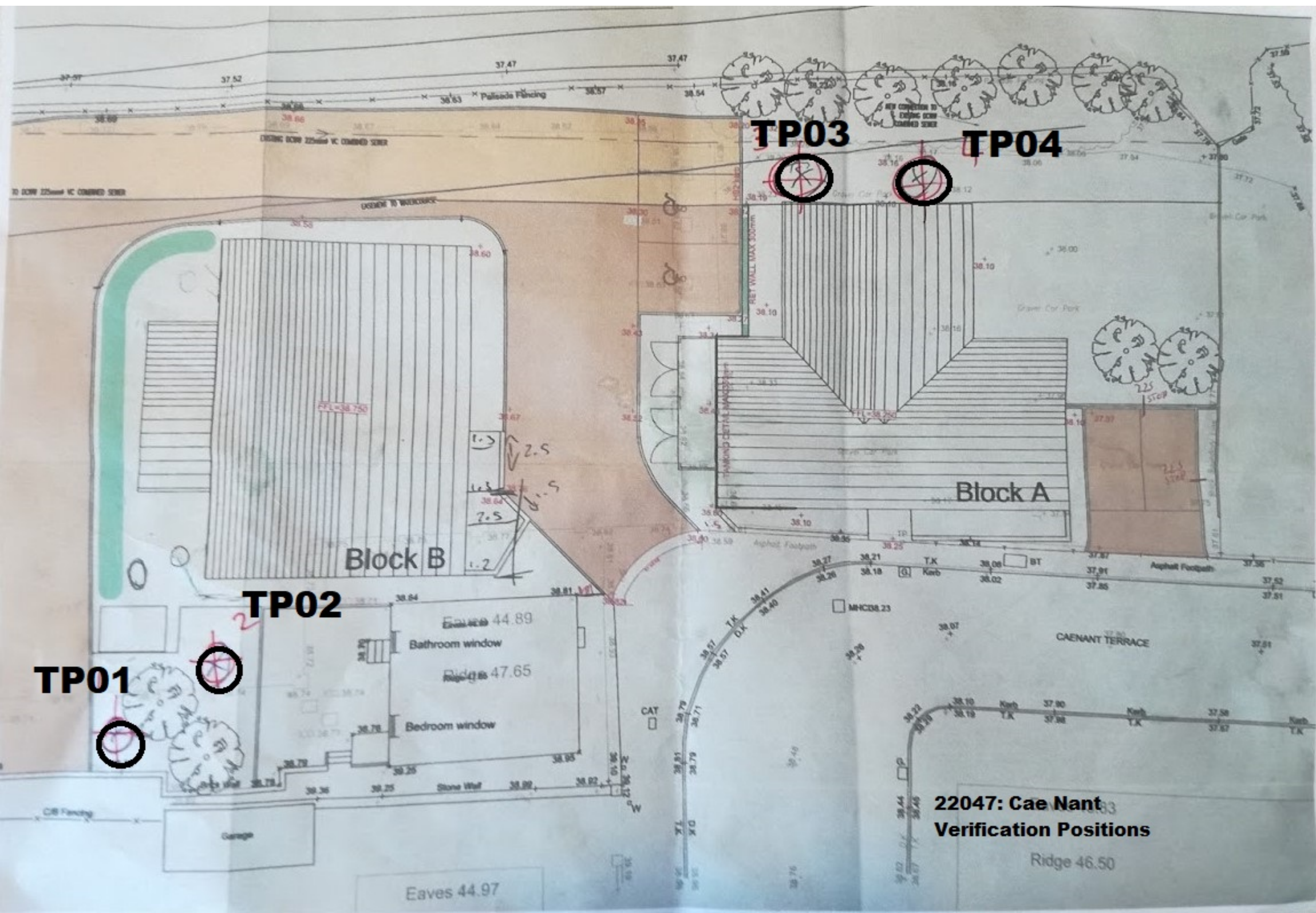
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APPENDIX D

Photographs

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Trial Pit/Trench Description

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Trial Pit/Trench Description

ProjectSkewen			Project NoNA		
Described byPL			Trial Pit NoTP02		
Date31.03.2022			Sheet No1 of 1		
Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)					
Samples and Tests			Strata		
Depth, m	Type & No	Results	Depth, m	Code	Description
0.10-0.30	ES		GL - 0.32	1	MADE GROUND: Black silty gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to medium of various lithologies.
Groundwater Observations			Strike of Face A		
None			Length of Face A		
			Width of Face B		
			Remarks		
Method/plantHand dug			Pre-excavated contamination sample pits		
StabilityStable					
ShoringNone					
WeatherDry					
Sample Type:			Logger's Signature		
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water			PL		
ES Environmental Soil Sample					
EW Environmental Water Sample					

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Trial Pit/Trench Description

Project		Skewen		Project No		NA	
Described by		PL		Trial Pit No		TP03	
Date		31.03.2022		Sheet No		1 of 1	
Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)							
Samples and Tests				Strata			
Depth, m	Type & No	Results	Depth, m	Code	Description		
0.10-0.30	ES		GL - 0.10	1	MADE GROUND: Black silty gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to medium of various lithologies.		
			0.10 - 0.36	2	MADE GROUND: Firm reddish brown slightly gravelly sandy CLAY. Gravel is subrounded fine to coarse of sandstone. Sub-soil		
Groundwater Observations				Strike of Face A			deg
None				Length of Face A		0.4	m
				Width of Face B		0.4	m
Method/plant				Hand dug			
Stability				Stable			
Shoring				None			
Weather				Dry			
Sample Type:				Pre-excavated contamination sample pits			
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				Logger's Signature			
ES Environmental Soil Sample				PL			
EW Environmental Water Sample							

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Trial Pit/Trench Description

Project		Skewen		Project No		NA	
Described by		PL		Trial Pit No		TP04	
Date		31.03.2022		Sheet No		1 of 1	
Face Sketch (Indicate stratum boundaries, codes and Face(s) sketched, use additional sheets as required)							
Samples and Tests				Strata			
Depth, m	Type & No	Results	Depth, m	Code	Description		
0.10-0.30	ES		GL - 0.10	1	MADE GROUND: Black silty gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to medium of various lithologies.		
			0.010 - 0.36	2	MADE GROUND: Firm reddish brown slightly gravelly sandy CLAY. Gravel is subrounded fine to coarse of sandstone. Sub-soil		
Groundwater Observations				Strike of Face A			deg
None				Length of Face A		0.4	m
				Width of Face B		0.4	m
				Remarks			
Method/plant				Hand dug			
Stability				Stable			
Shoring				None			
Weather				Dry			
Sample Type:				Pre-excavated contamination sample pits			
U Undisturbed, P Piston, D Disturbed, B Bulk, W Water				Logger's Signature			
ES Environmental Soil Sample				PL			
EW Environmental Water Sample							

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Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 22/03459
Issue Number: 1
Date: 19 April, 2022

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

Project Manager: Rob Griffiths
Project Name: Cae Nant Skewen
Project Ref: 22047
Order No: 22047/01
Date Samples Received: 08/04/22
Date Instructions Received: 08/04/22
Date Analysis Completed: 19/04/22

Approved by:

Richard Wong
Client Manager



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Envirolab Job Number: 22/03459

Client Project Name: Cae Nant Skewen

Client Project Ref: 22047

Lab Sample ID	22/03459/1	22/03459/2	22/03459/3	22/03459/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP01	TP02	TP03	TP04						
Depth to Top										
Depth To Bottom										
Date Sampled	06-Apr-22	06-Apr-22	06-Apr-22	06-Apr-22						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	4A	4A	6A	6A						
% Stones >10mm _A	<0.1	<0.1	8.8	6.5				% w/w	0.1	A-T-044
pH _D ^{M#}	8.22	8.24	7.84	7.99				pH	0.01	A-T-031s
Cyanide (total) _A ^{M#}	<1	<1	<1	<1				mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC _A	<0.2	<0.2	<0.2	<0.2				mg/kg	0.2	A-T-050s
Arsenic _D ^{M#}	7	7	6	7				mg/kg	1	A-T-024s
Beryllium _D	0.5	<0.5	1.1	1.0				mg/kg	0.5	A-T-024s
Boron (water soluble) _D	1.4	1.4	<1.0	<1.0				mg/kg	1	A-T-027s
Cadmium _D ^{M#}	1.8	1.7	2.0	2.1				mg/kg	0.5	A-T-024s
Copper _D ^{M#}	29	26	21	22				mg/kg	1	A-T-024s
Chromium _D ^{M#}	17	16	27	26				mg/kg	1	A-T-024s
Lead _D ^{M#}	29	29	40	65				mg/kg	1	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17				mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	33	35	28	29				mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1				mg/kg	1	A-T-024s
Vanadium _D ^{M#}	14	13	31	31				mg/kg	1	A-T-024s
Zinc _D ^{M#}	103	96	139	130				mg/kg	5	A-T-024s
TPH total (>C6-C40) _A ^{M#}	146	150	16	13				mg/kg	10	A-T-007s

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Envirolab Job Number: 22/03459

Client Project Name: Cae Nant Skewen

Client Project Ref: 22047

Lab Sample ID	22/03459/1	22/03459/2	22/03459/3	22/03459/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP01	TP02	TP03	TP04						
Depth to Top										
Depth To Bottom										
Date Sampled	06-Apr-22	06-Apr-22	06-Apr-22	06-Apr-22						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	4A	4A	6A	6A						
PAH-16MS										
Acenaphthene _A ^{M#}	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	<0.01	<0.01				mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	<0.02	<0.02				mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04				mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	<0.04	<0.04	<0.04				mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	0.06	<0.05	<0.05				mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<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				mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	<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				mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	<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				mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	<0.03	<0.03	<0.03				mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03				mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	0.05	0.06	<0.03	<0.03				mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	<0.07	<0.07	<0.07	<0.07				mg/kg	0.07	A-T-019s
Total PAH-16MS _A ^{M#}	<0.08	0.19	<0.08	<0.08				mg/kg	0.01	A-T-019s

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REPORT NOTES

General

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

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

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

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

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

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

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.

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

Secondary Matrix Codes:

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

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

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

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

EPH CWG results have humics mathematically subtracted through instrument calculation

TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

EPH CWG GCxGC ID from TPH CWG

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

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Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
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Client: Spectrum Geo Services, Foxglove Cottage, Cwm Risca Lane, Tondu, Wales,
CF32 0EH

Project: Cae Nant Skewen

Clients Project No: 22047

Project No: 22/03459

Date Received: 08/04/2022 (am)

Cool Box Temperatures (°C): 6.7

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.

Superseded



Envirolab Analysis Dates

Lab Sample ID	22/03459/1	22/03459/2	22/03459/3	22/03459/4
Client Sample No				
Client Sample ID/Depth	TP01	TP02	TP03	TP04
Date Sampled	06/04/22	06/04/22	06/04/22	06/04/22
A-T-007s	19/04/2022	19/04/2022	19/04/2022	19/04/2022
A-T-019s	13/04/2022	13/04/2022	13/04/2022	13/04/2022
A-T-024s	19/04/2022	19/04/2022	19/04/2022	19/04/2022
A-T-027s	14/04/2022	14/04/2022	14/04/2022	14/04/2022
A-T-031s	14/04/2022	14/04/2022	14/04/2022	14/04/2022
A-T-042sTCN	14/04/2022	14/04/2022	14/04/2022	14/04/2022
A-T-044	13/04/2022	13/04/2022	13/04/2022	13/04/2022
A-T-050s	13/04/2022	13/04/2022	13/04/2022	13/04/2022

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

Superseded



Superseded



Superseded



31/3/22

PROJECT

SKEWEN

PROJECT NO

TP

TP04

DEPTH (M)

GL 0.30

FACE

100

200

300

400

500

600

Superseded

	3113122
PROJECT	SKEWEN
PROJECT NO	
TP	TP01
DEPTH (M)	GL 0.30
FACE	



100	200	300	400	500	600
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