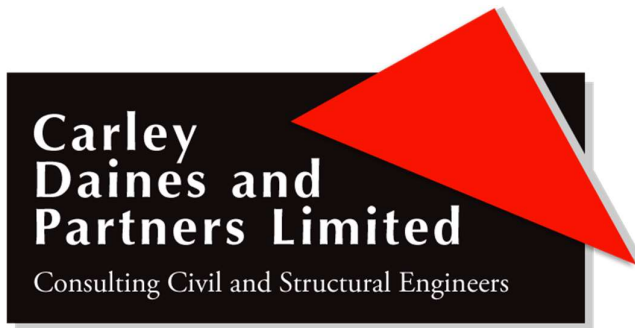




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Tel: 0161 799 2720 Fax: 0161 790 3474
Email: mail@carleydaines.co.uk Web: www.carleydaines.co.uk

SITE 3
THE STRAND PHASE 2
ROCHDALE
OL11 2JG

VALIDATION REPORT

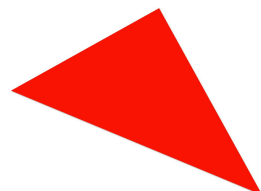
UNDERTAKEN FOR

LOVELL PARTNERSHIPS LTD

Ref: 18-B-12322/The Strand Site 3

September 2022

Principal: **D.J. Middleton BEng(Hons) CEng MStructE**
Company Number: **11006567**
Address **11 Bridgewater Road, Walkden, Worsley, Manchester M28 3JE**
VAT Number: **285 0439 91**

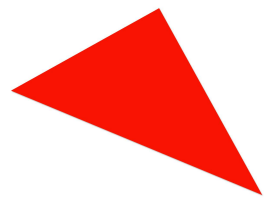


CONTENTS

1	INTRODUCTION & OBJECTIVES
2	SITE DEVELOPMENT
3	RELEVANT PARTIES
4	SITE APPRAISAL & KEY REFERENCE DOCUMENTS
5	REMEDIATION STRATEGY
6	VARIATIONS TO REMEDIATION STRATEGY
7	SITE VALIDATION
8	VALIDATION STATEMENT

APPENDICES

1	-	SITE PLAN
2	-	REMEDIATION STRATEGY
3	-	TOPSOIL TEST RESULTS



1.0 INTRODUCTION & OBJECTIVES

This report has been prepared in response to Planning Condition 4 of Rochdale Borough Council Planning Approval: Land at Kirkway, Aldwych and the Strand, Kirkholt, Rochdale, OL11 2JG – 21/01807/VRCON. This relates to the construction of 20 new affordable dwellings at NGR 389650,410800.

The purpose of this Validation Report is to provide a summary of investigation works undertaken on the site, to summarise the agreed Remediation Strategy, and to present relevant documentation to demonstrate that the works have been completed in accordance with the agreed methodology.

2.0 SITE DEVELOPMENT

It is understood that the Planning Approval 21/01807/VRCON gave permission for a proposed residential development of 20 affordable properties with highway works, car parking, private gardens and drainage and was approved on 3rd March 2022.

3.0 RELEVANT PARTIES

The relevant parties to the development are as follows:

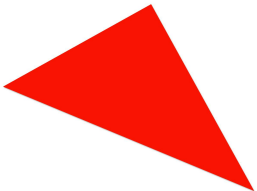
- Planning Authority – Rochdale Borough Council
- Client – Rochdale boroughwide Housing
- Contractor – Lovell Partnership
- Architect – Triangle Architects
- Engineering Consultant – Carley Daines & Partners
- Site Investigation Consultant – Carley Daines & Partners
- Specialist Sub Contractors – Various
- Building Regulations Authority – Rochdale Borough Council
- Highway Authority – Rochdale Borough Council
- Drainage Authority – United Utilities

4.0 SITE APPRAISAL & KEY REFERENCE DOCUMENTS

To fulfil the requirements of the Planning Condition, the following procedure has been adopted and the following documents reviewed:

- Carley Daines Phase 1 PRA dated May 2014
- Carley Daines Phase 2 report dated April 2016

Principal: **D.J. Middleton BEng(Hons) CEng MIStructE**
Company Number: **11006567**
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VAT Number: **285 0439 91**



These are detailed assessments of on-site contamination and its implications. Testing was carried out for a variety of contaminants, specifically metals / heavy metals, polyaromatic hydrocarbons (PAH) and total petroleum hydrocarbons (TPH).

The report indicated that there are very slightly elevated concentrations of contaminants present on the site, but these are shown to be well under recognised thresholds and therefore below the depth of human influence. This level of contamination can therefore be considered as not a potential risk to human health.

Ground gas monitoring confirmed that no mitigation and protection measures are required, with a classification of CS1/Green.

However, a ventilated sub-floor void below a beam and block concrete floor sealed with a screed would be prudent.

5.0 REMEDIATION STRATEGY

The Remediation Strategy is included in full in Appendix 2. This pulls together all previous reports and recommends:

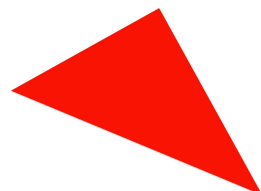
- The construction of a capping layer 600mm thick to soft landscaped areas, comprising the following.
 - An upper layer of 150mm clean inert topsoil
 - A lower layer of 450mm clean inert subsoil.

This was proposed, however, **only on the basis that site works uncovered conditions previously unidentified in the various Phase 2 site investigations**. This, as noted in section 6.0 below, was not the case so the capping layers in soft landscaping areas were deemed unnecessary. Clean topsoil, however, has been imported.

6.0 VARIATIONS TO THE REMEDIATION STRATEGY

There have been no significant variations to the Remediation Strategy during the course of the works.

As a general comment, site conditions were found to be as had been anticipated and were generally in line with the comments above in the various site investigation reports, and the Remediation Strategy.



7.0 SITE VALIDATION

7.1 Topsoil Placement/Capping Layer

As noted earlier in the report no capping layer is required.

Topsoil test sample results have been taken for all imported material, which can be confirmed as clean, chemically uncontaminated and fit for purpose. A total volume of 325m³ has been imported and soil tests have been undertaken. Testing has been carried out for metals, PAH, TPH, asbestos, toluene, benzene, ethylbenzene and xylenes. This exceeds the sampling rate recommended in the Remediation Strategy. The soil test results are presented in Appendix 3.

7.2 Gas Membrane installation

Not required.

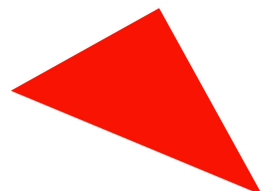
8.0 VALIDATION STATEMENT

Based upon our site visits and documentary evidence from Lovell Partnership Ltd, together with on-site testing and appraisal, it is our opinion that the works undertaken have been carried out satisfactorily and the remediation targets have been achieved.

Given this we are of the opinion that health risks from the ground should be considered to be minimal in the future.

SIGNED

D.J.MIDDLETON



APPENDIX 1

SITE PLAN

Principal: **D.J. Middleton BEng(Hons) CEng MIStructE**
Company Number: **11006567**
Address **11 Bridgewater Road, Walkden, Worsley, Manchester M28 3JE**
VAT Number: **285 0439 91**



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- CHECK ALL DIMENSIONS ON SITE.
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Boundary Treatments

- 1200mm high railings & metal posts on conservation kerb (used between front gardens & footpath)
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- 1200mm high concrete post and timber panel fence
- 1200mm high concrete post and timber panel fence

Landscape Key

- Car Parking Space
- Grass
- Planting/ Grass
- New Tree
- Existing Tree Retained
- Existing Lamppost relocated
- Existing Tree Removed
- Bin Location
- Buff Paving (450x450 Paving)
- Black Tarmac
- Shared Surface
- Existing Telephone Pole relocated

Rev Date By Remarks

Client: Rochdale Boroughwide Housing

Project Name: Balderstone Road, Rochdale

Drawing Name: Proposed Site Plan

Drawing Purpose: PLANNING

Project Number: Drawing Number: 103 Revision:

Project Origin Vol / Sys level Type Role Number

Status: Scale @ A2: 1:500 Drawn: AJD Checked: BM Date: APRIL 2020

Schedule of Accommodation
Balderstone Road Site

Type	Description	Total
A4.5	2 Bed	1
A4.6	2 Bed	3
A4.7	2 Bed	1
A4.8	2 Bed	1
B2.8	3 Bed	1
B2.9	3 Bed	3
B2.10	3 Bed	3
B2.11	3 Bed	1
B2.12	3 Bed	1
B2.13	3 Bed	1
B2.14	3 Bed	1
B2.15	3 Bed	1
B2.16	3 Bed	1
B7.2	3 Bed	1
Total		20

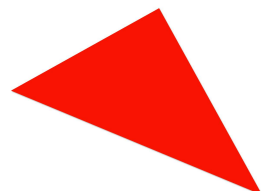
Car parking : 30 No.
150%

DRAFT

TRIANGLE
ARCHITECTS

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E-mail: studio@trianglearchitects.co.uk
Web: www.trianglearchitects.co.uk
Twitter: @TriangleArch

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13 Fairfield Street,
Manchester,
M12 6EL



APPENDIX 2

REMEDIATION STRATEGY

Principal: **D.J. Middleton BEng(Hons) CEng MIStructE**
Company Number: **11006567**
Address **11 Bridgewater Road, Walkden, Worsley, Manchester M28 3JE**
VAT Number: **285 0439 91**

Carley Daines and Partners Limited

Consulting Civil and Structural Engineers

11 Bridgewater Road, Walkden, Worsley, Manchester M28 3JE
Tel: 0161 799 2720 Fax: 0161 790 3474
Email: mail@carleydaines.co.uk Web: www.carleydaines.co.uk

PHASE 3 REMEDIATION STATEMENT

SITE 3

BALDERSTONE ROAD

ROCHDALE

OL11 2JG



19-B-12322

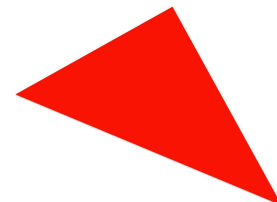
OCTOBER 2020

Principal: **D.J. Middleton BEng(Hons) CEng MStructE**

Company Number: **11006567**

Address **11 Bridgewater Road, Walkden, Worsley, Manchester M28 3JE**

VAT Number: **285 0439 91**



Report Title:	Site 3, Balderstone Road
Report Reference:	19-B-12322
Client:	Rochdale Borough Housing
Issue Date:	12th October 2020
Authorised By:	D.J. Middleton

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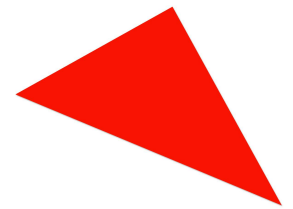
The findings and opinions provided in this document are given in good faith and are subject to the limitations imposed by employing site assessment methods and techniques, appropriate to the time of investigation and within the limitations and constraints defined within this document. The findings and opinions are relevant to the dates when the assessment was undertaken but should not be necessarily relied upon to represent conditions at a substantially later date.

The findings and opinions in this report are based on information obtained from a variety of sources as detailed and which Carley Daines and Partners Limited assumes to be reliable but has not been independently confirmed. Therefore, Carley Daines and Partners Limited cannot and does not guarantee the authenticity of reliability of third-party information it has relied upon.

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Principal: **D.J. Middleton BEng(Hons) CEng MIStructE**
Company Number: **11006567**
Address **11 Bridgewater Road, Walkden, Worsley, Manchester M28 3JE**
VAT Number: **285 0439 91**



1.0 INTRODUCTION

This report has been prepared in response to a request from Messrs Rochdale Borough Housing to facilitate the remediation management during site works. This is in support of Planning submission Application reference 20/00837/FUL 'Land at Balderstone Road, Ruskin Road and Curzon Road, Rochdale OL11 2JG'.

The site is located off Daventry Road in Rochdale, at approximate National Grid Reference NGR 389650,410800 and at post code OL11 2JG.

2.0 PROPOSED DEVELOPMENT

The proposed development comprises of 20 new houses with associated drives and gardens and an adopted access road.

3.0 PHASE 1 / 2 SITE INVESTIGATIONS

Separate Phase 1 & Phase 2 investigations have been undertaken by Messrs Carley Daines and Partners as below. This report is strictly in accordance with the findings of these reports.

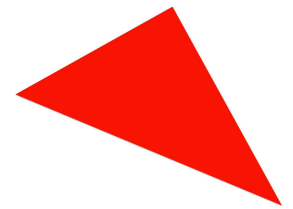
- Carley Daines Phase 1 PRA dated May 2014
- Carley Daines Phase 2 report dated April 2016

The subject site is irregular in shape and covers an area of approximately 5000m² (0.50 hectares). The site is at a mean elevation of 173m AOD.

The site currently comprises of green field open space, with some existing garages and out buildings.

The surrounding area is generally similar in nature, forming a large residential housing estate constructed in the 1950s.

The risk of mining is low.



The Phase 2 Ground Investigations comprised of 5 window samples to a maximum depth of 6.0m, as well as 4 trial pits.

4.0 REVIEW OF CONTAMINATION RESULTS

Testing was carried out on soil samples selected from trial pits and window sample holes. Tests were undertaken for the following contaminants:

- Heavy metals/metals
- PAH (USEPA16)
- Asbestos
- TPH

The report indicated that there are slightly elevated concentrations of contaminants present on the site, but generally these are shown to be below the depth of human influence. This level of contamination can therefore be considered as not a potential risk to human health.

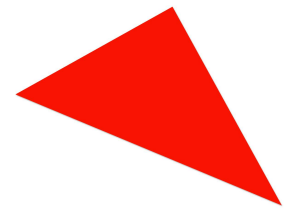
5.0 REMEDIATION STRATEGY

Following a review of the Phase 2 Site Investigations, and comparison with published sources, it is our opinion that the identified levels of soil contamination are not sufficient to pose a threat to future health.

Generally, it is also widely accepted that there is a significant factor of safety built into maximum soil contamination levels, and therefore the recorded levels are typically well below safe levels, rather than being close to the actual threshold.

However, it is important that a “watching brief” is maintained during the course of the groundworks. This is to identify and investigate any unexpected/unforeseen contamination that might arise or be identified.

The watching brief should be undertaken by a suitably qualified equivalent professional firm. In the event that contamination is identified or suspected, notification should be by the contractor’s



on-site personnel as soon as possible. If elevated levels of contamination are encountered, then we would recommend that in soft landscaping in such areas are constructed as follows:-

- An upper layer of 150mm of clean inert topsoil
- A lower layer of 450mm of clean inert subsoil

Also reference to section 7.0 (below) should be made if contamination is encountered but we would concur with the findings of the Phase 2 Investigations that contaminated material may be safely left on site, providing the end user is protected by a suitable clean capping layer in the areas stipulated.

6.0 GROUND GASES

Ground gas monitoring confirmed that mitigation and protection measures are not required with the site given a classification of CS-1/Green.

However, a ventilated sub-floor void below a beam and block concrete floor sealed with a screed would be prudent.

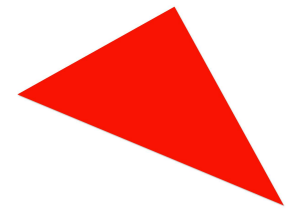
7.0 VALIDATION (REQUIRED ONLY IF SITE WORKS UNCOVER GROUND CONDITIONS PREVIOUSLY UNIDENTIFIED IN PHASE 2 SITE INVESTIGATIONS)

Validation may be required on completion. In order to ensure that all elements of this Remediation Statement are properly implemented, a final Validation Report will be prepared by Carley Daines

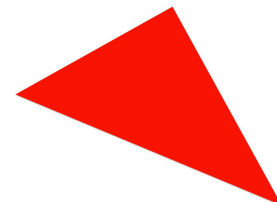
and Partners Limited or an alternative appropriately qualified consultant, confirming that the remedial works have been completed.

The validation report will confirm the following:

- Confirmation that the proposed clean cover materials are suitable for the proposed end use. This will be undertaken by recovery of representative soil samples after importation for testing.



- A testing regime on imported material will be carried out, including testing one sample per 50m³ of imported material (from a brownfield source) and one sample per 200m³ of imported material (from a greenfield source). A minimum of 3 such samples will be carried out for materials from differing types and from different sources.
- Depths of imported material will be verified by photographs on a plot by plot basis.
- Any material removed from site must have appropriate waste transfer documentation to confirm appropriate removal and disposal.



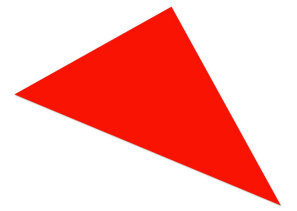
A summary of actions is listed in the table hereunder:

Summary of Action	
Action	Person Responsible
Site Management procedures to protect site neighbours, environment and amenity during works, including a) Health & Safety plans and procedures b) Dust, noise & odour suppression/controls, including monitoring protocols c) Control of surface water runoff d) Site Waste Management Plan (SWMP)	Main Contractor
Assessment of ground conditions if unanticipated or obviously very high levels of contamination are uncovered, plus appropriate additional testing of such material.	Main Contractor CD&P Ltd. NHBC Building Control
Method Statement indicating the procedure for removal of potentially contaminated material, and placement of clean cover throughout all areas of soft landscaping within the development	Main Contractor
Provide suitable protection to site utilities in accordance with the requirements of the service provider	Main Contractor/Engineering consultant
Witness/verify the placement of correct thickness of clean cover materials in accordance with the methodology	CD&P Ltd.
Laboratory testing to confirm the suitability of the clean cover materials post placement	CD&P Ltd
Completion of post-site works Final Validation Report	CD&P Ltd

SIGNED

DAVID MIDDLETON
CARLEY DAINES AND PARTNERS LIMITED

Principal: **D.J. Middleton BEng(Hons) CEng MStructE**
Company Number: **11006567**
Address **11 Bridgewater Road, Walkden, Worsley, Manchester M28 3JE**
VAT Number: **285 0439 91**



APPENDIX 1

SITE LAYOUT



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- Grass
- Planting/ Grass
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- Existing Lamppost relocated
- Existing Tree Removed
- Bin Location
- Buff Paving (450x450 Paving)
- Black Tarmac
- Shared Surface
- Existing Telephone Pole relocated

Rev Date By Remarks

Client: Rochdale Boroughwide Housing

Project Name: Balderstone Road, Rochdale

Drawing Name: Proposed Site Plan

Drawing Purpose: PLANNING

Project Number: Drawing Number: 103 Revision:

Project Origin Vol / Sys Level Type Role Number

Status: Scale @ A2: 1:500 Drawn: AJD Checked: BM Date: APRIL 2020

Schedule of Accommodation
Balderstone Road Site

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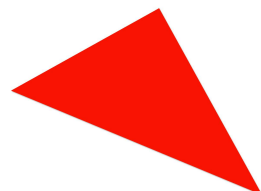
Car parking : 30 No.
150%

DRAFT

TRIANGLE
ARCHITECTS

Tel: 0161 272 3500
E-mail: studio@trianglearchitects.co.uk
Web: www.trianglearchitects.co.uk
Twitter: @TriangleArch

Raven House,
13 Fairfield Street,
Manchester,
M12 6EL



APPENDIX 3

TOPSOIL TEST RESULTS

Principal: **D.J. Middleton BEng(Hons) CEng MIStructE**
Company Number: **11006567**
Address **11 Bridgewater Road, Walkden, Worsley, Manchester M28 3JE**
VAT Number: **285 0439 91**

21LPL086/TM/SP01

03rd November 2021

FAO Richard Sedden @ Lovell
(Via Email: richard.sedden@Lovell.co.uk)



Dear Richard,

Soil Sampling of Topsoil Stockpile – The Strand, Rochdale

Overview

Betts Geo Ltd was instructed to undertake soil sampling within a stockpile of imported material at the above site to assess suitability of the material for possible re-use as topsoil. Sampling was undertaken by a Geo-environmental Engineer on the 12th October 2021.

The stockpile was approximately 1000m³ and was imported from Balderstone Road, Rochdale.

Physical Suitability of the Stockpile

The stockpile appeared to be a dark brown clayey SAND with organics.

The topsoil encountered on site is deemed physically suitable for re-use.

It should be noted that excavations into the stockpile were not undertaken, details of stockpile composition are taken from surface only. Should any material other than topsoil be encountered, additional physical assessment by an engineer is required.

Chemical Validation of Stockpile

The topsoil is considered to be greenfield sourced therefore samples were taken at a rate of 1:150m³ or a minimum of 3 samples i.e. 7 samples were taken from the stockpile.

Analysis has been scheduled for the standard 'CLEA' Metals (including Chromium VI), speciated TPH to CWG and Speciated PAH's.

No visual or olfactory evidence of contamination was noted within any of the samples.

These results were screened against the same criteria i.e. EA/CIEH/LQM residential guidance for suitability.

All results fall below relevant standard guidance levels with the exception of a slightly elevated occurrence of lead in SP01B (205mg/kg v guidance value of 200mg/kg). As the U⁹⁵ means test value for the stockpile falls well below the 200mg/kg guidance value (U⁹⁵ value of 127.80mg/kg) this slight elevation can be discounted.



Old Marsh Farm Barns
Welsh Road, Sealand
Flintshire CH5 2LY
Telephone: 01244 288179
www.betts-associates.co.uk

Summary

Betts Geo Environmental confirms that the soil is acceptable for re-use as topsoil.

Should you require any further clarification please do not hesitate in giving us a call.

Yours Sincerely,

A handwritten signature in black ink, appearing to read "Tommy McCormack".

Tommy McCormack
BETTS GEO ENVIRONMENTAL LIMITED

Encl –
Photograph of stockpile
Chemical Data of Topsoil





Photographs of Stockpile

SUMMARY OF CONTAMINATION ANALYSIS: METALS

Project Name The Strand
Project No 21LPL086
Date 12/10/2021

SOIL TYPE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAMPLE LOCATION	SP01 A	SP01 B	SP01 C	SP01 D	SP01 E	SP01 F	SP01 G
DEPTH (m)	0.20	0.20	0.20	0.20	0.20	0.20	0.20
pH	8.21	8.09	8.1	8.12	8.13	7.9	7.76
Sulphate (water sol 2:1)	<0.01	<0.01	0.02	<0.01	<0.01	0.04	0.05
Organic matter	6.3	7.2	8.3	6.1	4.9	12.1	3.6
Arsenic	8	12	11	9	7	8	6
Cadmium	0.8	0.9	0.8	0.9	0.7	0.8	0.7
Copper	66	67	61	65	42	55	41
Chromium (hexavalent)	<1	<1	<1	<1	<1	<1	<1
Lead	83	205	75	79	61	70	56
Mercury	<0.17	0.19	<0.17	<0.17	<0.17	<0.17	<0.17
Nickel	15	18	15	16	14	14	13
Selenium	<1	<1	<1	<1	<1	<1	<1
Zinc	104	121	101	109	85	99	72
Asbestos in Soil	NAD	NAD	NAD	NAD	NAD	NAD	NAD
Asbestos Matrix	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Quantification	0	0	0	0	0	0	0
Organic matter	6.3	7.2	8.3	6.1	4.9	12.1	3.6

Metals	Mean Value Test *	Range		AtRisk 2017 (mg/kg)	AtRisk 2017 (mg/kg)	DEFRA C4SL 2017
	US ₉₅	Largest Value (mg/kg)	Smallest Value (mg/kg)	With Homegrown Produce (1% SOM)	With Homegrown Produce (6% SOM)	
pH	8.16	8.21	7.76			-
Sulphate (water sol 2:1)	0.03	0.05	<0.01			-
Organic matter	8.94	12.10	3.60			
Arsenic	10.28	12.00	6.00	32	32	37
Cadmium	0.86	0.90	0.70	10	10	22.1
Copper	64.90	67.00	41.00	4730	4790	-
Chromium (hexavalent)	1.00	<1	<1	3.62	3.63	20.5
Lead	127.80	205.00	56.00			200
Mercury	0.18	0.19	<0.17	8.81	15.8	-
Nickel	16.20	18.00	13.00	EA/AtRisk withdrawn Aug 2015		
Selenium	1.00	<1	<1	375	375	-
Zinc	110.47	121.00	72.00	20000	20300	-

NOTE:

Any individual results and mean value tests above SGVs are shown RED highlighted.

Any outlier values which exceed relevant SGVs are shown in red

* - The calculations for the mean value test include outliers

** - Results for this determinand are assessed with no background levels taken into account
Results are expressed as mg/kg unless otherwise stated

ALL RESULTS PRESENTED ARE ASSESSED UNDER THE COMBINED CLEA ASSESSMENT CRITERION AS OUTLINED WITHIN SR4 ASSUMING NO FREE PRODUCT WAS OBSERVED DURING FIELDWORK- SEE 'GUIDANCE NOTES ON CONTAMINATION'.

SGVs are derived from the EA 2009 SGVs which are taken from AtRisk 2015. Category 4 screening levels have been adopted by the EA and have been included as new guidance.

Note: The SGV for elemental mercury has been used to assess total mercury concentrations at the site. The Environment Agency's Science Report SC050021 /Mercury SGV states that 'for general surface contamination and to simplify the assessment the SGV's for inorganic mercury can normally be compared with chemical analysis for total mercury content....'. Based on the latter, SGV for elemental mercury (170mg/kg) in the soil assessment is used

NAD - NO ASBESTOS DETECTED

TS - Topsoil, MG - Made Ground and N - Natural Ground

SUMMARY OF CONTAMINATION ANALYSIS: TPH

Project Name The Strand
Project No 21LPL086
Date 12/10/2021

SOIL TYPE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAMPLE LOCATION	SP01 A	SP01 B	SP01 C	SP01 D	SP01 E	SP01 F	SP01 G
DEPTH (m)	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Ali >C5-C6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C6-C8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C8-C10	<1	<1	<1	<1	<1	<1	<1
Ali >C10-C12	<1	<1	<1	<1	<1	<1	<1
Ali >C12-C16	<1	<1	<1	<1	<1	<1	1
Ali >C16-C21	2	1	2	1	<1	2	3
Ali >C21-C35	25	22	35	40	18	26	38
Total Aliphatics	28	23	37	41	19	28	42
Aro >C5-C7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C7-C8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C8-C10	<1	<1	<1	<1	<1	<1	<1
Aro >C10-C12	<1	<1	<1	1	<1	<1	<1
Aro >C12-C16	3	2	2	7	3	4	6
Aro >C16-C21	10	13	11	20	9	18	23
Aro >C21-C35	59	59	77	87	48	81	84
Total Aromatics	73	74	91	115	60	104	113
TPH (Ali & Aro)	100	97	128	156	78	132	155
BTEX - Benzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - Toluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - Ethyl Benzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - m & p Xylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - o Xylene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MTBE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Organic Matter	6.3	7.2	8.3	6.1	4.9	12.1	3.6

TPH	Mean Value Test *	Range		AtRisk 2017 (mg/kg) Residential with Home Grown Produce	AtRisk 2017 (mg/kg) Residential with Home Grown Produce	DEFRA C4SL 2017
	US ₉₅	Largest Value (mg/kg)	Smallest Value (mg/kg)	1% SOM WITHOUT Free Product***	6% SOM WITHOUT Free Product***	6% SOM WITHOUT Free Product***
Ali >C5-C6	0.01	<0.01	<0.01	42.7	369	-
Ali >C6-C8	0.01	<0.01	<0.01	99.3	1240	-
Ali >C8-C10	1.00	<1	<1	13.9	204	-
Ali >C10-C12	1.00	<1	<1	81.7	1180	-
Ali >C12-C16	1.00	1.00	<1	385	4130	-
Ali >C16-C21	2.27	3.00	<1	210000	210100	-
Ali >C21-C35	35.38	40.00	18.00			
Total Aliphatics	37.73	42.00	19.00			
Aro >C5-C7	0.01	<0.01	<0.01	0.137	0.871	-
Aro >C7-C8	0.01	<0.01	<0.01	113	780	-
Aro >C8-C10	1.00	<1	<1	20.5	232	-
Aro >C10-C12	1.00	1.00	<1	70	468	-
Aro >C12-C16	5.29	7.00	2.00	165	830	-
Aro >C16-C21	18.87	23.00	9.00	319	1040	-
Aro >C21-C35	81.84	87.00	48.00	1120	1710	-
Total Aromatics	105.85	115.00	60.00			
TPH (Ali & Aro)	142.93	156.00	78.00			
BTEX - Benzene	0.01	<0.01	<0.01	0.0493	0.33	0.871
BTEX - Toluene	0.01	<0.01	<0.01	113	780	-
BTEX - Ethyl Benzene	0.01	<0.01	<0.01	50.7	453	-
BTEX - m & p Xylene	0.01	<0.01	<0.01	24	312	-
BTEX - o Xylene	0.01	<0.01	<0.01	26.4	336	-
MTBE	0.01	<0.01	<0.01	27.6	220	-

Results expressed as mg/kg air dried unless otherwise stated.

* - The calculations for the mean value test include outliers

*** THESE RESULTS PRESENTED ARE ASSESSED UNDER THE COMBINED CLEA ASSESSMENT CRITERION AS OUTLINED WITHIN SR4 ASSUMING NO FREE PRODUCT WAS OBSERVED DURING FIELDWORK- SEE 'GUIDANCE NOTES ON CONTAMINATION'.

NOTES:

For the Purpose of this investigation- results will be assessed against RESIDENTIAL GUIDELINES WITH HOME GROWN PRODUCE WITH NO FREE PRODUCT.

UU Drinking Water Guidelines	
PE Threshold	
Total BTEX & MTBE	0.1
EC5-EC10 Ali-Aro	2
EC10-EC16 Ali-Aro	10
EC16-EC40 Ali-Aro	500

SUMMARY OF CONTAMINATION ANALYSIS: PAH

Project Name The Strand
Project No 21LPL086
Date 12/10/21

SOIL TYPE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAMPLE LOCATION	SP01 A	SP01 B	SP01 C	SP01 D	SP01 E	SP01 F	SP01 G
DEPTH (m)	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Acenaphthene	0.8	0.07	0.08	0.08	0.07	0.56	0.16
Acenaphthylene	0.02	0.01	0.02	0.01	<0.01	0.02	0.01
Anthracene	0.81	0.14	0.2	0.15	0.11	0.72	0.23
Benzo(a)anthracene	1.45	0.74	1.12	0.83	0.54	1.25	0.63
Benzo(a)pyrene	1.37	0.79	1.17	0.88	0.53	1.05	0.59
Benzo(b)fluoranthene	1.51	0.96	1.28	1.04	0.6	1.18	0.72
Benzo(ghi)perylene	0.76	0.5	0.8	0.52	0.32	0.55	0.32
Benzo(k)fluoranthene	0.62	0.36	0.45	0.35	0.2	0.46	0.26
Chrysene	1.53	0.81	1.11	0.9	0.54	1.25	0.65
Dibenzo(ah)anthracene	0.16	0.1	0.15	0.12	0.07	0.12	0.07
Fluoranthene	3.53	1.34	1.97	1.56	1	2.91	1.26
Fluorene	0.46	0.03	0.06	0.05	0.04	0.35	0.11
Indeno(123-cd)pyrene	0.81	0.51	0.81	0.57	0.33	0.58	0.34
Naphthalene	0.18	<0.03	0.04	<0.03	<0.03	0.19	0.06
Phenanthrene	3.75	0.61	0.73	0.68	0.48	3.02	0.97
Pyrene	3.2	1.29	1.88	1.49	0.95	2.51	1.18
Organic Matter	6.3	7.2	8.3	6.1	4.9	12.1	3.6

PAH	Mean Value Test *	Range		AtRisk 2017 (mg/kg) Residential with Home Grown Produce	AtRisk 2017 (mg/kg) Residential with Home Grown Produce	DEFRA's C4SL 2017
	US ₉₅	Largest Value (mg/kg)	Smallest Value (mg/kg)	1% SOM WITHOUT Free Product***	6% SOM WITHOUT Free Product***	6% SOM WITHOUT Free Product***
Acenaphthene	0.48	0.80	0.07	608	2760	-
Acenaphthylene	0.02	0.02	<0.01			-
Anthracene	0.55	0.81	0.11	10200	26200	-
Benzo(a)anthracene	1.19	1.45	0.54	4.52	8.54	-
Benzo(a)pyrene	1.14	1.37	0.53	1.51	2.05	4.95
Benzo(b)fluoranthene	1.27	1.51	0.60	7.72	9.86	-
Benzo(ghi)perylene	0.68	0.80	0.32	96.2	103	-
Benzo(k)fluoranthene	0.49	0.62	0.20	84.4	100	-
Chrysene	1.23	1.53	0.54	585	927	-
Dibenzo(ah)anthracene	0.14	0.16	0.07	0.838	1	-
Fluoranthene	2.63	3.53	1.00	983	2980	-
Fluorene	0.29	0.46	0.03	735	2610	-
Indeno(123-cd)pyrene	0.71	0.81	0.33	7.31	9.75	-
Naphthalene	0.13	0.19	<0.03	0.829	12.2	-
Phenanthrene	2.45	3.75	0.48			-
Pyrene	2.38	3.20	0.95	668	2120	-

Results expressed as mg/kg air dried unless otherwise stated.

* - The calculations for the mean value test include outliers

*** THESE RESULTS PRESENTED ARE ASSESSED UNDER THE COMBINED CLEA ASSESSMENT CRITERION AS OUTLINED WITHIN SR4 ASSUMING NO FREE PRODUCT WAS OBSERVED DURING FIELDWORK- SEE 'GUIDANCE NOTES ON CONTAMINATION'.

NOTES:

For the Purpose of this investigation- results will be assessed against **RESIDENTIAL GUIDELINES WITH HOMEGROWN PRODUCE WITH NO FREE PRODUCT.**

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/11084
Issue Number: 1

Date: 22 October, 2021

Client: Betts Geo Environmental
Old Marsh Farm Barns
Welsh Road
Sealand
Flintshire
UK
CH5 2LY

Project Manager: Betts Geolab/Tommy McCormack
Project Name: The Strand
Project Ref: 21LPL086
Order No: BG4386
Date Samples Received: 12/10/21
Date Instructions Received: 13/10/21
Date Analysis Completed: 22/10/21

Prepared by:



Danielle Brierley
Deputy Client Services Supervisor

Approved by:



Sophie France
Client Service Manager

Envirolab Job Number: 21/11084

Client Project Name: The Strand

Client Project Ref: 21LPL086

Lab Sample ID	21/11084/1	21/11084/2	21/11084/3	21/11084/4	21/11084/5	21/11084/6	21/11084/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SP01 A	SP01 B	SP01 C	SP01 D	SP01 E	SP01 F	SP01 G			
Depth to Top	0.20	0.20	0.20	0.20	0.20	0.20	0.20			
Depth To Bottom										
Date Sampled	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6AE	6AE	6AE	6AE	6A			
% Stones >10mm _A	6.1	7.5	4.3	5.1	16.3	10.6	5.8	% w/w	0.1	A-T-044
pH _D ^{M#}	8.21	8.09	8.10	8.12	8.13	7.90	7.76	pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	<0.01	<0.01	0.02	<0.01	<0.01	0.04	0.05	g/l	0.01	A-T-026s
Organic matter _D ^{M#}	6.3	7.2	8.3	6.1	4.9	12.1	3.6	% w/w	0.1	A-T-032 OM
Arsenic _D ^{M#}	8	12	11	9	7	8	6	mg/kg	1	A-T-024s
Cadmium _D ^{M#}	0.8	0.9	0.8	0.9	0.7	0.8	0.7	mg/kg	0.5	A-T-024s
Copper _D ^{M#}	66	67	61	65	42	55	41	mg/kg	1	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Lead _D ^{M#}	83	205	75	79	61	70	56	mg/kg	1	A-T-024s
Mercury _D	<0.17	0.19	<0.17	<0.17	<0.17	<0.17	<0.17	mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	15	18	15	16	14	14	13	mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Zinc _D ^{M#}	104	121	101	109	85	99	72	mg/kg	5	A-T-024s
VPH total (>C5-C10)	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	mg/kg	1	Calc- stone+mois

Envirolab Job Number: 21/11084

Client Project Name: The Strand

Client Project Ref: 21LPL086

Lab Sample ID	21/11084/1	21/11084/2	21/11084/3	21/11084/4	21/11084/5	21/11084/6	21/11084/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SP01 A	SP01 B	SP01 C	SP01 D	SP01 E	SP01 F	SP01 G			
Depth to Top	0.20	0.20	0.20	0.20	0.20	0.20	0.20			
Depth To Bottom										
Date Sampled	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6AE	6AE	6AE	6AE	6A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD			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: 21/11084

Client Project Name: The Strand

Client Project Ref: 21LPL086

Lab Sample ID	21/11084/1	21/11084/2	21/11084/3	21/11084/4	21/11084/5	21/11084/6	21/11084/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SP01 A	SP01 B	SP01 C	SP01 D	SP01 E	SP01 F	SP01 G			
Depth to Top	0.20	0.20	0.20	0.20	0.20	0.20	0.20			
Depth To Bottom										
Date Sampled	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6AE	6AE	6AE	6AE	6A			
PAH-16MS										
Acenaphthene _A ^{M#}	0.80	0.07	0.08	0.08	0.07	0.56	0.16	mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{M#}	0.02	0.01	0.02	0.01	<0.01	0.02	0.01	mg/kg	0.01	A-T-019s
Anthracene _A ^{M#}	0.81	0.14	0.20	0.15	0.11	0.72	0.23	mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{M#}	1.45	0.74	1.12	0.83	0.54	1.25	0.63	mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{M#}	1.37	0.79	1.17	0.88	0.53	1.05	0.59	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	1.51	0.96	1.28	1.04	0.60	1.18	0.72	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{M#}	0.76	0.50	0.80	0.52	0.32	0.55	0.32	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.62	0.36	0.45	0.35	0.20	0.46	0.26	mg/kg	0.07	A-T-019s
Chrysene _A ^{M#}	1.53	0.81	1.11	0.90	0.54	1.25	0.65	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.16	0.10	0.15	0.12	0.07	0.12	0.07	mg/kg	0.04	A-T-019s
Fluoranthene _A ^{M#}	3.53	1.34	1.97	1.56	1.00	2.91	1.26	mg/kg	0.08	A-T-019s
Fluorene _A ^{M#}	0.46	0.03	0.06	0.05	0.04	0.35	0.11	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	0.81	0.51	0.81	0.57	0.33	0.58	0.34	mg/kg	0.03	A-T-019s
Naphthalene _A ^{M#}	0.18	<0.03	0.04	<0.03	<0.03	0.19	0.06	mg/kg	0.03	A-T-019s
Phenanthrene _A ^{M#}	3.75	0.61	0.73	0.68	0.48	3.02	0.97	mg/kg	0.03	A-T-019s
Pyrene _A ^{M#}	3.20	1.29	1.88	1.49	0.95	2.51	1.18	mg/kg	0.07	A-T-019s
Total PAH-16MS _A ^{M#}	21	8.26	11.9	9.23	5.78	16.7	7.56	mg/kg	0.01	A-T-019s

Envirolab Job Number: 21/11084

Client Project Name: The Strand

Client Project Ref: 21LPL086

Lab Sample ID	21/11084/1	21/11084/2	21/11084/3	21/11084/4	21/11084/5	21/11084/6	21/11084/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	SP01 A	SP01 B	SP01 C	SP01 D	SP01 E	SP01 F	SP01 G			
Depth to Top	0.20	0.20	0.20	0.20	0.20	0.20	0.20			
Depth To Bottom										
Date Sampled	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21	12-Oct-21			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6AE	6AE	6AE	6AE	6A			
TPH CWG										
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#}	2	1	2	1	<1	2	3	mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	25	22	35	40	18	26	38	mg/kg	1	A-T-055s
Total Aliphatics _A	28	23	37	41	19	28	42	mg/kg	1	A-T-055s
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	3	2	2	7	3	4	6	mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	10	13	11	20	9	18	23	mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	59	59	77	87	48	81	84	mg/kg	1	A-T-055s
Total Aromatics _A	73	74	91	115	60	104	113	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35) _A	100	97	128	156	78	132	155	mg/kg	1	A-T-055s
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

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

Please contact us if you need any further information.

Envirolab Deviating Samples Report

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

Client: Betts Geo Environmental, Old Marsh Farm Barns, Welsh Road, Sealand,
Flintshire, UK, CH5 2LY

Project: The Strand

Clients Project No: 21LPL086

Project No: 21/11084

Date Received: 13/10/2021 (am)

Cool Box Temperatures (°C): 12.5

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	21/11084/1	21/11084/2	21/11084/3	21/11084/4	21/11084/5	21/11084/6	21/11084/7
Client Sample No							
Client Sample ID/Depth	SP01 A 0.20m	SP01 B 0.20m	SP01 C 0.20m	SP01 D 0.20m	SP01 E 0.20m	SP01 F 0.20m	SP01 G 0.20m
Date Sampled	12/10/21	12/10/21	12/10/21	12/10/21	12/10/21	12/10/21	12/10/21
A-T-019s	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021
A-T-022s	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021
A-T-024s	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021
A-T-026s	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021
A-T-031s	19/10/2021	19/10/2021	19/10/2021	19/10/2021	19/10/2021	19/10/2021	19/10/2021
A-T-032 OM	22/10/2021	22/10/2021	22/10/2021	22/10/2021	22/10/2021	22/10/2021	22/10/2021
A-T-040s	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021
A-T-044	19/10/2021	19/10/2021	19/10/2021	19/10/2021	19/10/2021	19/10/2021	19/10/2021
A-T-045	14/10/2021	14/10/2021	14/10/2021	14/10/2021	14/10/2021	14/10/2021	14/10/2021
A-T-055s	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021
Calc-stone+mois	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021	18/10/2021

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