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ENVIRONMENTAL

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Soil Contamination Test

21 September 2026

Golden Brook Developments
Willow Cottage, Coach Road, Golden Valley, Alfreton, DE55 4ES

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Supervised by Mr Joseph Turner

CONTENTS

1. Introduction

1.1 Project Overview
1.2 Purpose of Investigation
1.3 Scope of Work
1.4 Limitations

2. Site

2.1 Site Description and Location
2.2 Background

3. Methodology

3.1 Sampling Work
3.2 Sampling Strategy
3.3 Health & Safety

4. Ground Conditions

5. Evaluation of Results

5.1 Screening Values
5.2 Summary of Results
5.3 Risk Assessment Methodology
5.4 Conceptual Site Model

6. Conclusions

6.1 Risk Evaluation
6.2 Further Investigation

7. References

1. Introduction

The following document is a Soil Contamination Test carried out by Oakshire Environmental, and includes details of the site, sampling methodology, ground conditions, an evaluation of risk and an assessment of further investigations.

1.1 Project Overview

Soil contamination testing has been requested by the client, to identify and assess contamination of sampled soil from an embankment at Willow Cottage, Coach Road, Golden Valley, Alfreton, DE55 4ES. Oakshire Environmental will carry out Soil Contamination Testing & Report, as described below.

1.2 Purpose of Investigation

The objectives of the Soil Contamination Testing & Report will be to:

- Identify contamination of sampled soil from Heavy Metals, Hydrocarbons and Asbestos.
- Assess the risk to human health and the environment.
- Determine the requirement for further investigations or remediation.

1.3 Scope of Work

- In order to identify contamination of sampled soil, 21 x samples will be taken by the client from soil at the site and analysed for Metals (As,Be,Cd,Cu,Pb,Hg,Ni,Se,V,Zn), Chromium (III & VI), Phenols, Polycyclic Aromatic Hydrocarbons (PAHs), BTEX & MTBE, Total Petroleum Hydrocarbons (TPHs) CWG (Aliphatic/ Aromatic), pH, Organic Matter and Asbestos (Qualitative) in a UKAS accredited laboratory.
- Results of laboratory testing will be assessed with reference to screening values, including LQM/CIEH Suitable 4 Use Levels (S4ULs), CL:AIRE Category 4 Screening Levels (C4SLs) and Generic Assessment Criteria (GAC), to assess the risk to human health and the environment.
- This information will be used to produce a Conceptual Site Model, to categorise the severity of consequence and probability of identified contaminant linkages, and conduct an evaluation of contamination risk to determine the requirement for further investigations, remediation or mitigation measures.
- Supporting appendix to include photographs, maps and plans of the site.

1.4 Limitations

Quantum Intelligent Trading Ltd is previously and hereafter referred to as “Oakshire Environmental” or “the company”. Oakshire Environmental has exercised such professional skill, care and diligence as may reasonably be expected of a properly qualified and competent consultant when undertaking works of this nature. This report is only valid when used in its entirety and any information or advice contained within the report should not be relied upon until considered in the context of the whole report. Oakshire Environmental disclaims any responsibility to the client, as named on the front of this report (“the client”), and others in respect of any matters outside the scope of this work. Any comments made on the basis of information obtained from the client or other third parties are given in good faith on the assumption that the information is accurate. This report has been prepared solely for the benefit of the client and any other party using or placing reliance upon any information contained in this report does so at their own risk. Oakshire Environmental accepts no responsibility or liability for the contents of this report being used for any purpose or project for which it was not commissioned. Oakshire Environmental accepts no liability whatsoever for any loss or damage arising from the interpretation or use of this report and in no event shall the company be liable for any punitive, exemplary or other special damages, or for any indirect, incidental or consequential damages, including with respect to the performance or non-performance of any services, whether arising under breach of contract, tort or any other legal theory, and regardless of whether the company has been advised of, knew of, or should have known of the possibility of such damages. Furthermore, Oakshire Environmental does not accept any liability for the consequences of any legislative changes or the release of subsequent guidance documentation and following delivery of the report has no obligation to advise the client or any other party of such changes or their repercussions.

This report excludes consideration of potential hazards arising from any activities at the site other than normal use and occupancy for the intended land uses. Hazards associated with any other activities have not been assessed and must be subject to a specific risk assessment by the parties responsible for those activities. Oakshire Environmental does not warrant or guarantee that the site is free of hazardous or potentially hazardous materials or conditions. It should be noted that this report has been produced for environmental purposes only.

Oakshire Environmental cannot be held responsible for incorrect analysis of samples. The information and conclusions provided in this report are limited to, and representative of, the samples taken and cannot be extended to apply to the whole site, in addition, Oakshire Environmental cannot guarantee the accuracy of analysis for samples not taken at the source by the company or those which deviate due to exceedance of holding time or inappropriate sampling practises. The findings and/or recommendations of this report do not take into account any conditions that may be present but have hitherto not been encountered and as such further investigation and/or a reconsideration of the findings of this report should be undertaken if such conditions are subsequently encountered or an alternative development plan or land use is subsequently proposed.

2. Site

The following section provides a description of the site and location, proposed project and previous investigations, utilising information obtained from the client and publicly available sources.

2.1 Site Description and Location

The site is located at Willow Cottage, Coach Road, Golden Valley, Alfreton, DE55 4ES and comprises a large dwelling and associated parking, buildings, land and amenity space, in addition, the site includes an earth embankment, constructed using material excavated during the development of an ancillary swimming pool building. The site is bordered by Coach Road to the north west, agricultural land to the east and south and an equestrian centre to the south west.

National Grid Reference: SK 42744 51260

2.2 Background

The site comprises a residential property known as Willow Cottage, Coach Road, Golden Valley, Alfreton, where an earth embankment was constructed using material excavated during the development of an ancillary swimming pool building. The embankment has subsequently become the subject of a retrospective planning application following concerns raised by the Local Planning Authority's Environmental Health Officer regarding the origin and suitability of the materials used in its construction. It is understood that the embankment was formed using site-won arisings generated during excavation works associated with the pool building, with the intention of retaining and reusing the material on-site rather than exporting it off-site.

To support the planning application, volume calculations and topographical assessments were undertaken which concluded that the estimated embankment volume is broadly comparable to the volume of material expected to have been generated during excavation of the swimming pool development when appropriate bulking factors are applied. Notwithstanding these findings, further environmental verification was requested by the Local Planning Authority. Oakshire Environmental was therefore commissioned to undertake a programme of soil sampling and laboratory testing to characterise the materials present within the embankment and evaluate their suitability from a contaminated land perspective.

3. Methodology

3.1 Sampling Work

10 trial pits were excavated at the locations shown on plans in the appendix, with ground conditions noted during the sampling process to inform recommendations and conclusions.

Soil samples were collected from each trial pit, by a qualified Oakshire Environmental consultant, using a window sampler and soil was then collected from the sampler and placed into sealed sample containers. Samples collected for VOC analysis were filled as much as possible to minimise air spaces, as volatile compounds can be lost into these spaces. Sampling equipment was wiped clean between sample locations to minimise cross contamination.

3.2 Sampling Strategy

21 samples was considered to be a sufficient sample size, based on the size of the embankment, to allow an assessment of the material. A range of sample depths were chosen to represent the soil that is most likely to impact future site users through inhalation, ingestion and dermal contact pathways, in addition to allowing identification of variability through the embankment.

3.3 Health & Safety

When collecting soil samples on a potentially contaminated site it must be assumed that the soil is contaminated in order to protect the health of the assessor. Protective rubber gloves were worn at all times as well as substantial footwear. Equipment was washed thoroughly before and after use and kept in a container when transported to avoid the spread of any possible contamination. Sample containers were packed with biodegradable fill for protection and placed in a sealed plastic container for transportation to the laboratory.

4. Ground Conditions

Trial pits excavated within the embankment encountered a broadly consistent cohesive profile, comprising brown to bluish grey/brown gravelly clay, with local variation to darker brown sandy clay and orangey brown clay. Trial pits TP01 to TP08 were advanced to depths of between approximately 0.40m and 0.50m below ground level, while TP09 to TP13 were advanced to approximately 1.00m below ground level, due to the greater depth of the embankment in these areas. Samples collected from the side walls of areas excavated for the proposed building, where the embankment material is understood to have originated, comprised medium brown clay with gravel, which was noted to be consistent with the ground conditions encountered within the embankment trial pits, providing evidence to support that the embankment was formed from site-won cohesive material.

Detailed trial pit logs are provided in the Appendix.

5. Evaluation of Results

5.1 Screening Values

Results of laboratory testing of soil samples were analysed by comparing them to industry standard screening levels used for risk assessments. Screening levels used include the DEFRA Category 4 Screening Levels (C4SLs) based on Low Level of Toxicological Risk and the LQM/CIEH S4ULs for Human Health Risk Assessment. These levels cover multiple Soil Organic Matter (SOM) contents (1%, 2% and 6%) and assume a pH of 8. The 'residential without homegrown produce' screening values were used to assess results. This land use considers direct soil and indoor dust ingestion and inhalation, skin contact with soils and dust, inhalation of vapours and ingestion of homegrown produce as exposure pathways. These levels take a conservative approach to assessing potential risk and concentrations below these screening values can be considered to represent 'uncontaminated conditions' which pose 'LOW' risk to human health based on the proposed land use.

It is important to note that exceedance of a relevant screening value does not necessarily constitute evidence of either a 'significant possibility of significant harm' or the need for remediation under the UK's planning regimes. Rather such exceedance should usually trigger a further detailed quantitative risk assessment, where site-specific parameters are used to derive site-specific assessment criteria. Common sense tells us, and a robust risk evaluation reveals, that a gross exceedance is a good indicator that an unacceptable risk is present.

5.2 Summary of Results

- Heavy metal concentrations were low in all samples and were below residential land use screening values
    - Heavy metal concentrations in samples taken from the excavated area are notably comparable with samples taken from the embankment

- pH was acidic in samples S02, S07, S11 and S12 and was alkaline in all other samples

- Phenols concentrations were below the laboratory limit of detection in all samples

- Total Organic Carbon value was moderate in samples S05, S07 and S15 and was high in sample S16 and was low in all other samples, suggesting the soil has a generally low organic matter content

- Polycyclic Aromatic Hydrocarbons (PAHs) concentrations were slightly elevated in sample S04 but were below the residential without homegrown produce land use screening values, in addition, concentrations in all other samples were very low and most were below the laboratory limit of detection

- BTEX & MTBE concentrations were below the laboratory limit of detection in all samples

- Total Petroleum Hydrocarbons (TPHs) concentrations were very low, with most fractions below the laboratory limit of detection in all samples

- No Asbestos was detected in sampled soil

5.3 Risk Assessment Methodology

The potential level of risk posed by a particular source is determined by assessing the potential severity of the impact of the contaminant linkage on the receptor, if it is assumed to be present, and the probability of the contaminant linkage being present.

Severities are categorised from Minor to Severe and probabilities are categorised from Unlikely to High Likelihood to give a potential level of risk output.

Table 1: Risk Matrix

Probability	**Severity of Consequence**			
	Severe	Medium	Mild	Minor
High Likelihood	Very High Risk	High Risk	Moderate Risk	Low / Moderate Risk
Likely	High Risk	Moderate Risk	Low / Moderate Risk	Low Risk
Low Likelihood	Moderate Risk	Low / Moderate Risk	Low Risk	Very Low Risk
Unlikely	Low / Moderate Risk	Low Risk	Very Low Risk	Very Low Risk

Very High Risk

There is a high probability that severe harm could arise to a designated receptor from an identified source; or there is evidence that severe harm to a designated receptor is currently happening.

High Risk

Harm is likely to arise to a designated receptor from an identified source.

Moderate Risk

It is possible that harm could arise to a designated receptor from an identified source. It is relatively unlikely that any such harm would be severe or if any harm were to occur it is more likely that the harm would be relatively mild.

Low Risk

It is possible that harm could arise to a designated receptor from an identified source, however, it is likely that this harm, if realised, would normally be mild.

Very Low Risk

There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

5.4 Conceptual Site Model

The information in this section has been compiled to produce a conceptual site model outlining the potential sources, pathways and receptors to consider at the site. The level of risk was categorised by considering the severity and probability, as outlined in the previous section.

Table 2: Conceptual site model

Sources	Pathways	Receptors	Severity	Probability	Potential Level of Risk	
Earth Embankment	Ingestion/inhalation of contaminated soil dust Dermal contact with contaminated soil Inhalation of soil vapours	Residential end users	**Medium**	**Low Likelihood**	**Low**	Identified contaminant concentrations were generally low or very low and no exceedances of the residential without plant uptake land use screening values were identified, therefore, the risk to residential end users is considered to be low.

6. Conclusions

6.1 Risk Evaluation

The conceptual site model has identified the following contaminant linkages present at the site and the following conclusions have been drawn:

- There is a **low risk** to residential end users from the ingestion/inhalation of contaminated soil dust, dermal contact with contaminated soil and inhalation of soil vapours from the earth embankment at the site.

Based on laboratory testing of soil samples from the site and the conceptual site model, the risk to residential end users is considered to be low, in addition, the recorded ground conditions and laboratory test results are considered to be broadly consistent between the samples collected from the embankment and those collected from the excavated area for the building, supporting the conclusion that the embankment material is materially comparable to the site-won arisings generated during the building excavation works.

7. References

CL:AIRE, 2014. *Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination*. London: Department for Environment, Food and Rural Affairs.

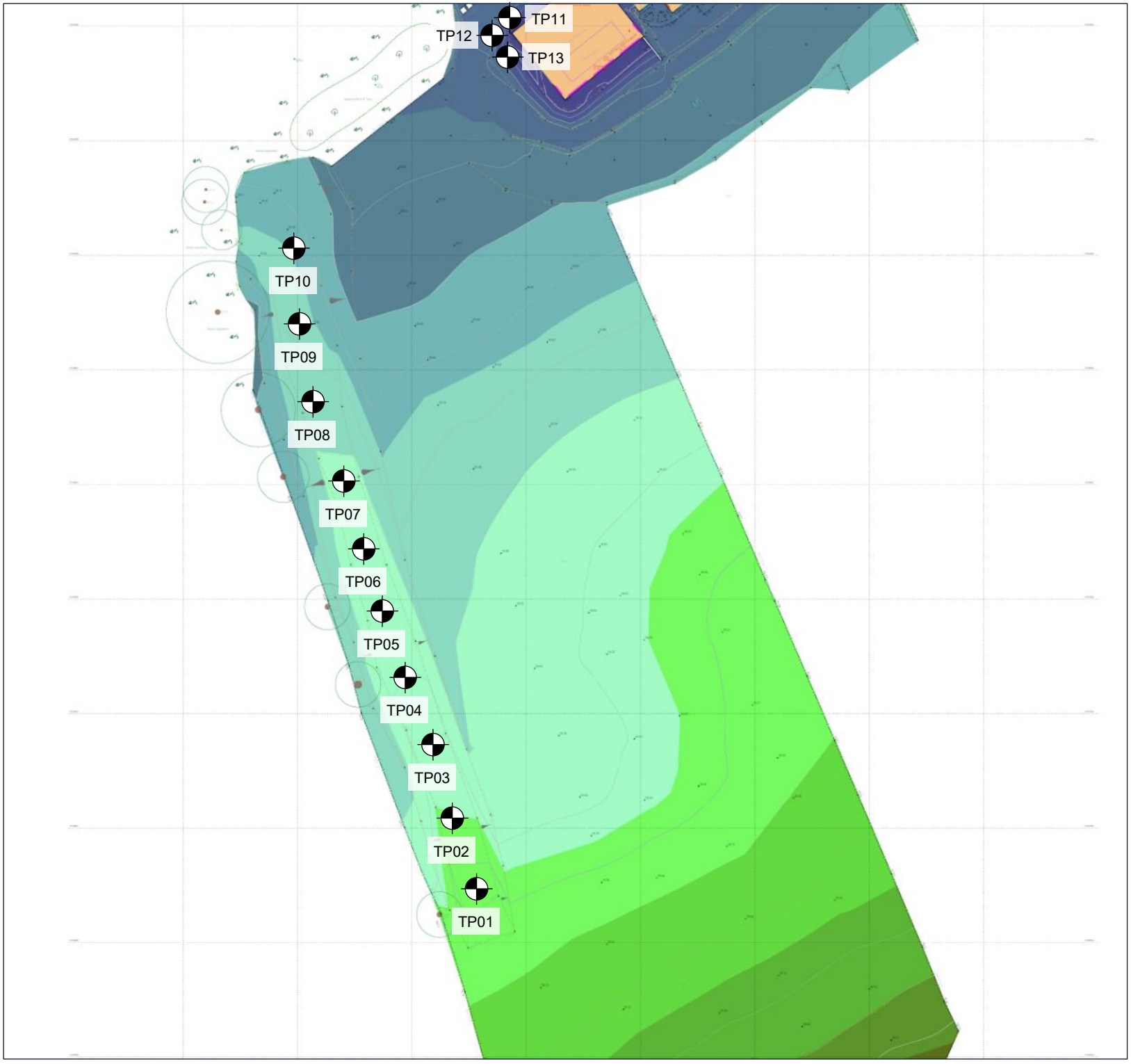
Environment Agency, 2025. *Land contamination: risk management*. [online] Available at: <gov.uk/guidance/land-contamination-how-to-manage-the-risks>.

Nathanail, C.P.; McCaffrey,C.; Gillett, A.G.; Ogden, R.C. & Nathanail, J.F., 2015. *The LQM/CIEH S4ULs for Human Health Risk Assessment*. Nottingham: Land Quality Press.

Oakshire Environmental. Available at: <oakshireenvironmental.co.uk>.



Appendix - Site Maps & Plans	
Description	
Site location plan	
Sources	
Contains OS data © Crown copyright and database rights	
Key	
	Site boundary
▲	North



Appendix - Site Maps & Plans	
Description	
Site plan showing trial pit locations	
Sources	
Oakshire Environmental	
Key	
	Site boundary
	Trial pit location
▲	North



Appendix - Site Photos
Description
Photo showing the location of trial pit TP01
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP02
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP03
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP04
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP05
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP06
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP07
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP08
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP09
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP10
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP11
Sources
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Appendix - Site Photos
Description
Photo showing the location of trial pit TP02
Sources
Oakshire Environmental



Appendix - Site Photos
Description
Photo showing the location of trial pit TP13
Sources
Oakshire Environmental

ANALYTICAL TEST REPORT

Report Number	26-10868, issue number 1
Contract name:	Golden Brook Developments
Client reference:	Not Supplied
Clients name:	Oakshire Environmental
Clients address:	Oakshire Environmental 6 Vine Close Bottesford Nottingham NG13 0FW
Samples received:	03/09/2026
Analysis started:	04/09/2026
Analysis completed:	11/09/2026
Report issued:	11/09/2026

Key

U UKAS accredited test
M MCERTS & UKAS accredited test
(B) Analysis performed at Southampton Site
I/S Insufficient sample to carry out test
U/S Sample not suitable for testing
NAD No Asbestos Detected
Full key available on Information page

Approved by:

Sam Rogerson
Receipt and Reporting Manager

Unit 6 Parkhead, Greencroft Industrial Park, Stanley, County Durham, DH9 7YB

Telephone: (01207) 528578, Email supportsquad@chemtech-env.co.uk

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.
% Moisture reported as MCERTS drying at 30ºC

Lab ref	Sample ID	Depth (m)	Sample description	Material removed	% Removed	% Moisture
129842	S01	0.50	Brown Clayey Sand with Gravel and Vegetation.	-	-	12.1
129843	S02	0.50	Brown Clayey Sand with Gravel and Vegetation.	-	-	11.1
129844	S03	0.50	Brown Clayey Sand with Gravel and Vegetation.	-	-	14.0
129845	S04	0.50	Brown Clayey Sand with Gravel and Vegetation.	-	-	14.5
129846	S05	0.50	Brown Clayey Sand with Gravel and Vegetation.	-	-	10.7
129847	S06	0.50	Brown Clayey Sand with Gravel and Vegetation.	-	-	12.2
129848	S07	0.50	Brown Clayey Sand with Gravel and Vegetation.	-	-	12.1
129849	S08	0.50	Brown Clay with Gravel and Vegetation.	-	-	16.8
129850	S09	0.50	Brown Clay with Gravel and Vegetation.	-	-	13.0
129851	S10	1.00	Brown Clay with Gravel and Vegetation.	-	-	11.6
129852	S11	0.50	Brown Clay with Gravel and Vegetation.	-	-	13.9
129853	S12	1.00	Brown Clay with Gravel and Vegetation.	-	-	13.6
129854	S13	0.50	Brown Clay with Gravel and Vegetation.	-	-	15.7
129855	S14	1.00	Brown Clay with Gravel and Vegetation.	-	-	15.6
129856	S15	0.50	Brown Clay with Gravel and Vegetation.	-	-	18.5
129857	S16	1.00	Brown Sandy Clay with Gravel and Vegetation.	-	-	19.0
129858	S17	0.50	Brown Sandy Clay with Gravel and Vegetation.	-	-	15.8
129859	S18	1.00	Brown Sandy Clay with Gravel and Vegetation.	-	-	12.3
129860	S19	-	Brown Sandy Clay with Gravel and Vegetation.	-	-	12.3
129861	S20	-	Brown Sandy Clay with Gravel and Vegetation.	-	-	12.9
129862	S21	-	Brown Sandy Clay with Gravel and Vegetation.	-	-	15.4

SOILS

Lab Number					129842	129843	129844	129845	129846
Client Reference					1	1	1	1	1
Sample ID					S01	S02	S03	S04	S05
Depth (m)					0.50	0.50	0.50	0.50	0.50
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
Asbestos									
Asbestos Identification	SUBCON	SU	0	-	NAD	NAD	NAD	NAD	NAD
Metals									
Arsenic	CE264	M	2.3	mg/kg	5.9	6.1	4.7	5.0	7.9
Beryllium	CE264	M	0.1	mg/kg	0.9	1.0	1.1	1.1	1.2
Cadmium	CE264	M	1.1	mg/kg	< 1.1	< 1.1	1.2	< 1.1	1.2
Chromium	CE264	U	1.3	mg/kg	20.1	22.2	22.5	23.9	23.3
Copper	CE264	M	1.2	mg/kg	22.3	22.1	23.7	24.8	33.7
Lead	CE264	U	2.4	mg/kg	8.3	6.4	9.9	10.3	65.9
Mercury	CE264	M	0.6	mg/kg	< 0.6	< 0.6	0.7	< 0.6	< 0.6
Nickel	CE264	M	1.6	mg/kg	27.7	32.2	32.2	31.9	27.9
Selenium	CE264	M	3	mg/kg	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Vanadium	CE264	M	1.6	mg/kg	18.8	21.8	23.0	22.7	28.6
Zinc	CE264	M	2.4	mg/kg	78.4	78.3	85.9	86.7	82.1
Colourimetric									
Water Soluble Chromium VI	CE263	N	0.04	mg/kg	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Total Monohydric Phenols	CE078	N	0.5	mg/kg	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chromium III	CE208	N	2	mg/kg	20.1	22.2	22.5	23.9	23.3
Combustion									
Moisture Content	CE001	N	0.1	%	12.1	11.1	14.0	14.5	10.7
Total Organic Carbon	CE197	M	0.1	%	0.61	0.42	1.05	0.69	2.67
Polyaromatic hydrocarbons									
Naphthalene	CE087	M	0.016	mg/kg	< 0.016	< 0.016	< 0.016	0.183	0.056
Acenaphthylene	CE087	M	0.015	mg/kg	< 0.015	< 0.015	< 0.015	0.016	< 0.015
Acenaphthene	CE087	M	0.013	mg/kg	< 0.013	< 0.013	< 0.013	0.323	< 0.013
Fluorene	CE087	U	0.013	mg/kg	< 0.013	< 0.013	< 0.013	0.259	< 0.013
Phenanthrene	CE087	M	0.014	mg/kg	< 0.014	< 0.014	0.042	1.71	0.102
Anthracene	CE087	U	0.017	mg/kg	< 0.017	< 0.017	< 0.017	0.631	0.024
Fluoranthene	CE087	M	0.017	mg/kg	< 0.017	< 0.017	0.154	3.01	0.145
Pyrene	CE087	M	0.016	mg/kg	< 0.016	< 0.016	0.163	2.66	0.143

SOILS

Lab Number					129842	129843	129844	129845	129846
Client Reference					1	1	1	1	1
Sample ID					S01	S02	S03	S04	S05
Depth (m)					0.50	0.50	0.50	0.50	0.50
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
Benzo(a)anthracene	CE087	U	0.012	mg/kg	< 0.012	< 0.012	0.091	1.44	0.080
Chrysene	CE087	M	0.028	mg/kg	< 0.028	< 0.028	0.084	1.29	0.064
Benzo(b)fluoranthene	CE087	M	0.02	mg/kg	< 0.020	< 0.020	0.183	2.39	0.125
Benzo(k)fluoranthene	CE087	M	0.025	mg/kg	< 0.025	< 0.025	0.065	0.953	0.042
Benzo(a)pyrene	CE087	U	0.019	mg/kg	< 0.019	< 0.019	0.134	2.03	0.075
Indeno(1,2,3-cd)pyrene	CE087	M	0.019	mg/kg	< 0.019	< 0.019	0.148	1.61	0.073
Dibenzo(a,h)anthracene	CE087	M	0.017	mg/kg	< 0.017	< 0.017	0.023	0.279	< 0.017
Benzo(g,h,i)perylene	CE087	M	0.019	mg/kg	< 0.019	< 0.019	0.143	1.37	0.075
Total PAH(16)	CE087	N	0.28	mg/kg	< 0.280	< 0.280	1.23	20.2	1.00
BTEX									
Benzene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE	CE267	N	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total BTEX	CE267	N	0.007	mg/kg	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
m,p-Xylene	CE267	U	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
oXylenes	CE267	U	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total Petroleum Hydrocarbons									
>C5-C6 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C6-C8 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C8-C10 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C5-C7 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C7-C8 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C8-C10 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C10-C12 Aliphatic (EH_CU_1D_AL)	CE286	N	2.5	mg/kg	3.8	< 2.5	2.8	3.9	3.3
>C12-C16 Aliphatic (EH_CU_1D_AL)	CE286	N	4.3	mg/kg	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3
>C16-C21 Aliphatic (EH_CU_1D_AL)	CE286	N	2.5	mg/kg	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
>C21-C35 Aliphatic (EH_CU_1D_AL)	CE286	N	5.2	mg/kg	< 5.2	< 5.2	65.1	< 5.2	< 5.2
>C35-C44 Aliphatic (EH_CU_1D_AL)	CE286	N	2.6	mg/kg	3.8	3.3	45.8	3.1	4.6
>C10-C12 Aromatic (EH_CU_1D_AR)	CE286	N	5	mg/kg	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

SOILS

Lab Number					129842	129843	129844	129845	129846
Client Reference					1	1	1	1	1
Sample ID					S01	S02	S03	S04	S05
Depth (m)					0.50	0.50	0.50	0.50	0.50
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
>C12-C16 Aromatic (EH_CU_1D_AR)	CE286	N	5.5	mg/kg	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5
>C16-C21 Aromatic (EH_CU_1D_AR)	CE286	N	4.5	mg/kg	< 4.5	< 4.5	< 4.5	5.9	< 4.5
>C21-C35 Aromatic (EH_CU_1D_AR)	CE286	N	11	mg/kg	< 11.0	< 11.0	< 11.0	< 11.0	< 11.0
>C35-C44 Aromatic (EH_CU_1D_AR)	CE286	N	5.2	mg/kg	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2
>C5-C44 Total (EH_CU+HS_1D_Total)	CE286	N	21.4	mg/kg	< 21.4	< 21.4	124	< 21.4	< 21.4
Wet Chem									
pH	CE004	M	0.1	pH units	7.5	6.0	7.6	7.8	8.0

SOILS

Lab Number					129847	129848	129849	129850	129851
Client Reference					1	1	1	1	1
Sample ID					S06	S07	S08	S09	S10
Depth (m)					0.50	0.50	0.50	0.50	1.00
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
Asbestos									
Asbestos Identification	SUBCON	SU	0	-	NAD	NAD	NAD	NAD	NAD
Metals									
Arsenic	CE264	M	2.3	mg/kg	5.2	12.0	5.8	3.5	4.7
Beryllium	CE264	M	0.1	mg/kg	1.0	0.9	0.9	0.9	1.4
Cadmium	CE264	M	1.1	mg/kg	2.0	< 1.1	< 1.1	< 1.1	1.3
Chromium	CE264	U	1.3	mg/kg	19.9	18.9	23.4	19.8	23.1
Copper	CE264	M	1.2	mg/kg	22.9	21.2	17.9	20.5	23.3
Lead	CE264	U	2.4	mg/kg	17.4	12.8	7.1	6.9	14.8
Mercury	CE264	M	0.6	mg/kg	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
Nickel	CE264	M	1.6	mg/kg	28.7	22.3	21.8	26.6	32.5
Selenium	CE264	M	3	mg/kg	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Vanadium	CE264	M	1.6	mg/kg	22.4	21.6	28.8	19.0	24.9
Zinc	CE264	M	2.4	mg/kg	88.3	66.4	66.5	69.1	78.5
Colourimetric									
Water Soluble Chromium VI	CE263	N	0.04	mg/kg	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Total Monohydric Phenols	CE078	N	0.5	mg/kg	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chromium III	CE208	N	2	mg/kg	19.9	18.9	23.4	19.8	23.1
Combustion									
Moisture Content	CE001	N	0.1	%	12.2	12.1	16.8	13.0	11.6
Total Organic Carbon	CE197	M	0.1	%	0.74	3.81	1.22	0.67	0.35
Polyaromatic hydrocarbons									
Naphthalene	CE087	M	0.016	mg/kg	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Acenaphthylene	CE087	M	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Acenaphthene	CE087	M	0.013	mg/kg	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Fluorene	CE087	U	0.013	mg/kg	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Phenanthrene	CE087	M	0.014	mg/kg	< 0.014	0.072	< 0.014	< 0.014	< 0.014
Anthracene	CE087	U	0.017	mg/kg	< 0.017	0.021	< 0.017	< 0.017	< 0.017
Fluoranthene	CE087	M	0.017	mg/kg	< 0.017	0.096	< 0.017	< 0.017	< 0.017
Pyrene	CE087	M	0.016	mg/kg	< 0.016	0.080	< 0.016	< 0.016	< 0.016

SOILS

Lab Number					129847	129848	129849	129850	129851
Client Reference					1	1	1	1	1
Sample ID					S06	S07	S08	S09	S10
Depth (m)					0.50	0.50	0.50	0.50	1.00
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
Benzo(a)anthracene	CE087	U	0.012	mg/kg	< 0.012	0.048	< 0.012	< 0.012	< 0.012
Chrysene	CE087	M	0.028	mg/kg	< 0.028	0.043	< 0.028	< 0.028	< 0.028
Benzo(b)fluoranthene	CE087	M	0.02	mg/kg	< 0.020	0.063	< 0.020	< 0.020	< 0.020
Benzo(k)fluoranthene	CE087	M	0.025	mg/kg	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzo(a)pyrene	CE087	U	0.019	mg/kg	< 0.019	0.039	< 0.019	< 0.019	< 0.019
Indeno(1,2,3-cd)pyrene	CE087	M	0.019	mg/kg	< 0.019	0.038	< 0.019	< 0.019	< 0.019
Dibenzo(a,h)anthracene	CE087	M	0.017	mg/kg	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017
Benzo(g,h,i)perylene	CE087	M	0.019	mg/kg	< 0.019	0.027	< 0.019	< 0.019	< 0.019
Total PAH(16)	CE087	N	0.28	mg/kg	< 0.280	0.526	< 0.280	< 0.280	< 0.280
BTEX									
Benzene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE	CE267	N	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total BTEX	CE267	N	0.007	mg/kg	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
m,p-Xylene	CE267	U	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
oXylenes	CE267	U	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total Petroleum Hydrocarbons									
>C5-C6 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C6-C8 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C8-C10 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C5-C7 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C7-C8 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C8-C10 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C10-C12 Aliphatic (EH_CU_1D_AL)	CE286	N	2.5	mg/kg	< 2.5	4.7	2.7	3.4	4.4
>C12-C16 Aliphatic (EH_CU_1D_AL)	CE286	N	4.3	mg/kg	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3
>C16-C21 Aliphatic (EH_CU_1D_AL)	CE286	N	2.5	mg/kg	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
>C21-C35 Aliphatic (EH_CU_1D_AL)	CE286	N	5.2	mg/kg	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2
>C35-C44 Aliphatic (EH_CU_1D_AL)	CE286	N	2.6	mg/kg	3.5	3.0	7.8	5.7	3.8
>C10-C12 Aromatic (EH_CU_1D_AR)	CE286	N	5	mg/kg	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

SOILS

Lab Number					129847	129848	129849	129850	129851
Client Reference					1	1	1	1	1
Sample ID					S06	S07	S08	S09	S10
Depth (m)					0.50	0.50	0.50	0.50	1.00
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
>C12-C16 Aromatic (EH_CU_1D_AR)	CE286	N	5.5	mg/kg	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5
>C16-C21 Aromatic (EH_CU_1D_AR)	CE286	N	4.5	mg/kg	< 4.5	< 4.5	< 4.5	< 4.5	< 4.5
>C21-C35 Aromatic (EH_CU_1D_AR)	CE286	N	11	mg/kg	< 11.0	< 11.0	< 11.0	< 11.0	< 11.0
>C35-C44 Aromatic (EH_CU_1D_AR)	CE286	N	5.2	mg/kg	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2
>C5-C44 Total (EH_CU+HS_1D_Total)	CE286	N	21.4	mg/kg	< 21.4	< 21.4	< 21.4	< 21.4	< 21.4
Wet Chem									
pH	CE004	M	0.1	pH units	7.5	6.6	7.7	7.4	7.3

SOILS

Lab Number					129852	129853	129854	129855	129856
Client Reference					1	1	1	1	1
Sample ID					S11	S12	S13	S14	S15
Depth (m)					0.50	1.00	0.50	1.00	0.50
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
Asbestos									
Asbestos Identification	SUBCON	SU	0	-	NAD	NAD	NAD	NAD	NAD
Metals									
Arsenic	CE264	M	2.3	mg/kg	3.6	< 2.3	5.8	6.6	8.0
Beryllium	CE264	M	0.1	mg/kg	1.1	1.0	1.0	0.9	1.1
Cadmium	CE264	M	1.1	mg/kg	< 1.1	< 1.1	< 1.1	< 1.1	1.2
Chromium	CE264	U	1.3	mg/kg	22.3	23.4	21.2	18.6	20.5
Copper	CE264	M	1.2	mg/kg	24.6	23.7	21.3	23.1	26.4
Lead	CE264	U	2.4	mg/kg	10.0	6.0	13.0	19.9	32.3
Mercury	CE264	M	0.6	mg/kg	< 0.6	< 0.6	0.7	< 0.6	< 0.6
Nickel	CE264	M	1.6	mg/kg	30.9	30.1	24.3	20.3	24.6
Selenium	CE264	M	3	mg/kg	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Vanadium	CE264	M	1.6	mg/kg	19.7	19.0	23.3	23.0	25.5
Zinc	CE264	M	2.4	mg/kg	77.5	75.6	78.4	81.0	101
Colourimetric									
Water Soluble Chromium VI	CE263	N	0.04	mg/kg	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Total Monohydric Phenols	CE078	N	0.5	mg/kg	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chromium III	CE208	N	2	mg/kg	22.3	23.4	21.2	18.6	20.5
Combustion									
Moisture Content	CE001	N	0.1	%	13.9	13.6	15.7	15.6	18.5
Total Organic Carbon	CE197	M	0.1	%	0.49	0.31	1.07	2.20	3.21
Polyaromatic hydrocarbons									
Naphthalene	CE087	M	0.016	mg/kg	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Acenaphthylene	CE087	M	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Acenaphthene	CE087	M	0.013	mg/kg	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Fluorene	CE087	U	0.013	mg/kg	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Phenanthrene	CE087	M	0.014	mg/kg	< 0.014	< 0.014	< 0.014	0.015	0.031
Anthracene	CE087	U	0.017	mg/kg	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017
Fluoranthene	CE087	M	0.017	mg/kg	< 0.017	< 0.017	0.027	0.037	0.066
Pyrene	CE087	M	0.016	mg/kg	< 0.016	< 0.016	0.025	0.054	0.059

SOILS

Lab Number					129852	129853	129854	129855	129856
Client Reference					1	1	1	1	1
Sample ID					S11	S12	S13	S14	S15
Depth (m)					0.50	1.00	0.50	1.00	0.50
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
Benzo(a)anthracene	CE087	U	0.012	mg/kg	< 0.012	< 0.012	0.023	0.032	0.054
Chrysene	CE087	M	0.028	mg/kg	< 0.028	< 0.028	< 0.028	< 0.028	0.036
Benzo(b)fluoranthene	CE087	M	0.02	mg/kg	< 0.020	< 0.020	0.028	0.037	0.063
Benzo(k)fluoranthene	CE087	M	0.025	mg/kg	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzo(a)pyrene	CE087	U	0.019	mg/kg	< 0.019	< 0.019	< 0.019	< 0.019	0.037
Indeno(1,2,3-cd)pyrene	CE087	M	0.019	mg/kg	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019
Dibenzo(a,h)anthracene	CE087	M	0.017	mg/kg	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017
Benzo(g,h,i)perylene	CE087	M	0.019	mg/kg	< 0.019	< 0.019	< 0.019	< 0.019	0.025
Total PAH(16)	CE087	N	0.28	mg/kg	< 0.280	< 0.280	< 0.280	< 0.280	0.371
BTEX									
Benzene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE	CE267	N	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total BTEX	CE267	N	0.007	mg/kg	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
m,p-Xylene	CE267	U	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
oXylenes	CE267	U	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total Petroleum Hydrocarbons									
>C5-C6 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C6-C8 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C8-C10 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C5-C7 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C7-C8 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C8-C10 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C10-C12 Aliphatic (EH_CU_1D_AL)	CE286	N	2.5	mg/kg	< 2.5	< 2.5	3.2	2.7	2.5
>C12-C16 Aliphatic (EH_CU_1D_AL)	CE286	N	4.3	mg/kg	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3
>C16-C21 Aliphatic (EH_CU_1D_AL)	CE286	N	2.5	mg/kg	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
>C21-C35 Aliphatic (EH_CU_1D_AL)	CE286	N	5.2	mg/kg	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2
>C35-C44 Aliphatic (EH_CU_1D_AL)	CE286	N	2.6	mg/kg	3.7	5.3	6.3	6.0	4.7
>C10-C12 Aromatic (EH_CU_1D_AR)	CE286	N	5	mg/kg	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

SOILS

Lab Number					129852	129853	129854	129855	129856
Client Reference					1	1	1	1	1
Sample ID					S11	S12	S13	S14	S15
Depth (m)					0.50	1.00	0.50	1.00	0.50
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
>C12-C16 Aromatic (EH_CU_1D_AR)	CE286	N	5.5	mg/kg	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5
>C16-C21 Aromatic (EH_CU_1D_AR)	CE286	N	4.5	mg/kg	< 4.5	< 4.5	< 4.5	< 4.5	< 4.5
>C21-C35 Aromatic (EH_CU_1D_AR)	CE286	N	11	mg/kg	< 11.0	< 11.0	< 11.0	< 11.0	< 11.0
>C35-C44 Aromatic (EH_CU_1D_AR)	CE286	N	5.2	mg/kg	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2
>C5-C44 Total (EH_CU+HS_1D_Total)	CE286	N	21.4	mg/kg	< 21.4	< 21.4	< 21.4	< 21.4	< 21.4
Wet Chem									
pH	CE004	M	0.1	pH units	6.7	6.5	7.1	7.4	7.4

SOILS

Lab Number					129857	129858	129859	129860	129861
Client Reference					1	1	1	1	1
Sample ID					S16	S17	S18	S19	S20
Depth (m)					1.00	0.50	1.00	1.00	1.00
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
Asbestos									
Asbestos Identification	SUBCON	SU	0	-	NAD	NAD	NAD	NAD	NAD
Metals									
Arsenic	CE264	M	2.3	mg/kg	10.4	7.8	7.0	3.5	5.8
Beryllium	CE264	M	0.1	mg/kg	1.2	0.9	1.2	1.0	1.2
Cadmium	CE264	M	1.1	mg/kg	1.2	1.2	1.2	1.1	< 1.1
Chromium	CE264	U	1.3	mg/kg	19.6	18.0	21.5	21.7	19.9
Copper	CE264	M	1.2	mg/kg	33.9	15.8	31.9	20.5	20.2
Lead	CE264	U	2.4	mg/kg	26.8	22.0	23.2	11.6	27.5
Mercury	CE264	M	0.6	mg/kg	< 0.6	0.6	< 0.6	1.1	0.7
Nickel	CE264	M	1.6	mg/kg	22.1	17.5	24.8	26.0	24.0
Selenium	CE264	M	3	mg/kg	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
Vanadium	CE264	M	1.6	mg/kg	28.4	25.5	28.6	23.9	25.7
Zinc	CE264	M	2.4	mg/kg	85.4	104	100	73.3	70.6
Colourimetric									
Water Soluble Chromium VI	CE263	N	0.04	mg/kg	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040
Total Monohydric Phenols	CE078	N	0.5	mg/kg	0.51	< 0.50	< 0.50	< 0.50	< 0.50
Chromium III	CE208	N	2	mg/kg	19.6	18.0	21.6	21.7	19.9
Combustion									
Moisture Content	CE001	N	0.1	%	19.0	15.8	12.3	12.3	12.9
Total Organic Carbon	CE197	M	0.1	%	6.57	0.99	3.18	0.93	2.07
Polyaromatic hydrocarbons									
Naphthalene	CE087	M	0.016	mg/kg	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016
Acenaphthylene	CE087	M	0.015	mg/kg	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Acenaphthene	CE087	M	0.013	mg/kg	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Fluorene	CE087	U	0.013	mg/kg	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
Phenanthrene	CE087	M	0.014	mg/kg	0.019	0.025	0.063	< 0.014	0.024
Anthracene	CE087	U	0.017	mg/kg	< 0.017	< 0.017	0.019	< 0.017	< 0.017
Fluoranthene	CE087	M	0.017	mg/kg	0.025	0.037	0.093	< 0.017	< 0.017
Pyrene	CE087	M	0.016	mg/kg	0.023	0.034	0.083	< 0.016	< 0.016

SOILS

Lab Number					129857	129858	129859	129860	129861
Client Reference					1	1	1	1	1
Sample ID					S16	S17	S18	S19	S20
Depth (m)					1.00	0.50	1.00	1.00	1.00
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
Benzo(a)anthracene	CE087	U	0.012	mg/kg	< 0.012	0.028	0.062	< 0.012	< 0.012
Chrysene	CE087	M	0.028	mg/kg	< 0.028	< 0.028	0.051	< 0.028	< 0.028
Benzo(b)fluoranthene	CE087	M	0.02	mg/kg	< 0.020	0.042	0.082	< 0.020	< 0.020
Benzo(k)fluoranthene	CE087	M	0.025	mg/kg	< 0.025	< 0.025	0.029	< 0.025	< 0.025
Benzo(a)pyrene	CE087	U	0.019	mg/kg	< 0.019	< 0.019	0.046	< 0.019	< 0.019
Indeno(1,2,3-cd)pyrene	CE087	M	0.019	mg/kg	< 0.019	< 0.019	0.045	< 0.019	< 0.019
Dibenzo(a,h)anthracene	CE087	M	0.017	mg/kg	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017
Benzo(g,h,i)perylene	CE087	M	0.019	mg/kg	< 0.019	< 0.019	0.035	< 0.019	< 0.019
Total PAH(16)	CE087	N	0.28	mg/kg	< 0.280	< 0.280	0.609	< 0.280	< 0.280
BTEX									
Benzene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	CE267	U	0.001	mg/kg	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE	CE267	N	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total BTEX	CE267	N	0.007	mg/kg	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007
m,p-Xylene	CE267	U	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
oXylenes	CE267	U	0.002	mg/kg	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Total Petroleum Hydrocarbons									
>C5-C6 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C6-C8 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C8-C10 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
>C5-C7 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C7-C8 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C8-C10 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
>C10-C12 Aliphatic (EH_CU_1D_AL)	CE286	N	2.5	mg/kg	< 2.5	< 2.5	3.6	3.1	< 2.5
>C12-C16 Aliphatic (EH_CU_1D_AL)	CE286	N	4.3	mg/kg	< 4.3	< 4.3	< 4.3	< 4.3	< 4.3
>C16-C21 Aliphatic (EH_CU_1D_AL)	CE286	N	2.5	mg/kg	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
>C21-C35 Aliphatic (EH_CU_1D_AL)	CE286	N	5.2	mg/kg	< 5.2	< 5.2	12.3	< 5.2	< 5.2
>C35-C44 Aliphatic (EH_CU_1D_AL)	CE286	N	2.6	mg/kg	4.5	4.4	6.0	< 2.6	< 2.6
>C10-C12 Aromatic (EH_CU_1D_AR)	CE286	N	5	mg/kg	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

SOILS

Lab Number					129857	129858	129859	129860	129861
Client Reference					1	1	1	1	1
Sample ID					S16	S17	S18	S19	S20
Depth (m)					1.00	0.50	1.00	1.00	1.00
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
>C12-C16 Aromatic (EH_CU_1D_AR)	CE286	N	5.5	mg/kg	< 5.5	< 5.5	< 5.5	< 5.5	< 5.5
>C16-C21 Aromatic (EH_CU_1D_AR)	CE286	N	4.5	mg/kg	< 4.5	< 4.5	< 4.5	< 4.5	< 4.5
>C21-C35 Aromatic (EH_CU_1D_AR)	CE286	N	11	mg/kg	< 11.0	< 11.0	< 11.0	< 11.0	< 11.0
>C35-C44 Aromatic (EH_CU_1D_AR)	CE286	N	5.2	mg/kg	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2
>C5-C44 Total (EH_CU+HS_1D_Total)	CE286	N	21.4	mg/kg	< 21.4	< 21.4	27.7	< 21.4	< 21.4
Wet Chem									
pH	CE004	M	0.1	pH units	7.9	7.1	7.3	7.0	7.7

SOILS

Lab Number					129862
Client Reference					1
Sample ID					S21
Depth (m)					1.00
Sampling Date					01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**	
Asbestos					
Asbestos Identification	SUBCON	SU	0	-	NAD
Metals					
Arsenic	CE264	M	2.3	mg/kg	< 2.3
Beryllium	CE264	M	0.1	mg/kg	0.8
Cadmium	CE264	M	1.1	mg/kg	< 1.1
Chromium	CE264	U	1.3	mg/kg	22.5
Copper	CE264	M	1.2	mg/kg	17.9
Lead	CE264	U	2.4	mg/kg	8.4
Mercury	CE264	M	0.6	mg/kg	1.0
Nickel	CE264	M	1.6	mg/kg	29.6
Selenium	CE264	M	3	mg/kg	< 3.0
Vanadium	CE264	M	1.6	mg/kg	21.4
Zinc	CE264	M	2.4	mg/kg	73.0
Colourimetric					
Water Soluble Chromium VI	CE263	N	0.04	mg/kg	< 0.040
Total Monohydric Phenols	CE078	N	0.5	mg/kg	< 0.50
Chromium III	CE208	N	2	mg/kg	22.6
Combustion					
Moisture Content	CE001	N	0.1	%	15.4
Total Organic Carbon	CE197	M	0.1	%	0.29
Polyaromatic hydrocarbons					
Naphthalene	CE087	M	0.016	mg/kg	< 0.016
Acenaphthylene	CE087	M	0.015	mg/kg	< 0.015
Acenaphthene	CE087	M	0.013	mg/kg	< 0.013
Fluorene	CE087	U	0.013	mg/kg	< 0.013
Phenanthrene	CE087	M	0.014	mg/kg	< 0.014
Anthracene	CE087	U	0.017	mg/kg	< 0.017
Fluoranthene	CE087	M	0.017	mg/kg	< 0.017
Pyrene	CE087	M	0.016	mg/kg	< 0.016

SOILS

Lab Number					129862
Client Reference					1
Sample ID					S21
Depth (m)					1.00
Sampling Date					01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**	
Benzo(a)anthracene	CE087	U	0.012	mg/kg	< 0.012
Chrysene	CE087	M	0.028	mg/kg	< 0.028
Benzo(b)fluoranthene	CE087	M	0.02	mg/kg	< 0.020
Benzo(k)fluoranthene	CE087	M	0.025	mg/kg	< 0.025
Benzo(a)pyrene	CE087	U	0.019	mg/kg	< 0.019
Indeno(1,2,3-cd)pyrene	CE087	M	0.019	mg/kg	< 0.019
Dibenzo(a,h)anthracene	CE087	M	0.017	mg/kg	< 0.017
Benzo(g,h,i)perylene	CE087	M	0.019	mg/kg	< 0.019
Total PAH(16)	CE087	N	0.28	mg/kg	< 0.280
BTEX					
Benzene	CE267	U	0.001	mg/kg	< 0.001
Toluene	CE267	U	0.001	mg/kg	< 0.001
Ethylbenzene	CE267	U	0.001	mg/kg	< 0.001
MTBE	CE267	N	0.002	mg/kg	< 0.002
Total BTEX	CE267	N	0.007	mg/kg	< 0.007
m,p-Xylene	CE267	U	0.002	mg/kg	< 0.002
oXylenes	CE267	U	0.002	mg/kg	< 0.002
Total Petroleum Hydrocarbons					
>C5-C6 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10
>C6-C8 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10
>C8-C10 Aliphatic (HS_1D_AL)	CE267	N	0.1	mg/kg	< 0.10
>C5-C7 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010
>C7-C8 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010
>C8-C10 Aromatic (HS_1D_AR)	CE267	N	0.01	mg/kg	< 0.010
>C10-C12 Aliphatic (EH_CU_1D_AL)	CE286	N	2.5	mg/kg	< 2.5
>C12-C16 Aliphatic (EH_CU_1D_AL)	CE286	N	4.3	mg/kg	< 4.3
>C16-C21 Aliphatic (EH_CU_1D_AL)	CE286	N	2.5	mg/kg	< 2.5
>C21-C35 Aliphatic (EH_CU_1D_AL)	CE286	N	5.2	mg/kg	< 5.2
>C35-C44 Aliphatic (EH_CU_1D_AL)	CE286	N	2.6	mg/kg	< 2.6
>C10-C12 Aromatic (EH_CU_1D_AR)	CE286	N	5	mg/kg	< 5.0

SOILS

Lab Number					129862
Client Reference					1
Sample ID					S21
Depth (m)					1.00
Sampling Date					01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**	
>C12-C16 Aromatic (EH_CU_1D_AR)	CE286	N	5.5	mg/kg	< 5.5
>C16-C21 Aromatic (EH_CU_1D_AR)	CE286	N	4.5	mg/kg	< 4.5
>C21-C35 Aromatic (EH_CU_1D_AR)	CE286	N	11	mg/kg	< 11.0
>C35-C44 Aromatic (EH_CU_1D_AR)	CE286	N	5.2	mg/kg	< 5.2
>C5-C44 Total (EH_CU+HS_1D_Total)	CE286	N	21.4	mg/kg	< 21.4
Wet Chem					
pH	CE004	M	0.1	pH units	7.4

SOIL SVOCS

Lab Number					129842	129843	129844	129845	129846
Client Reference					1	1	1	1	1
Sample ID					S01	S02	S03	S04	S05
Depth (m)					0.50	0.50	0.50	0.50	0.50
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
SVOC									
Phenol	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Xylenols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Naphthols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

SOIL SVOCS

Lab Number					129847	129848	129849	129850	129851
Client Reference					1	1	1	1	1
Sample ID					S06	S07	S08	S09	S10
Depth (m)					0.50	0.50	0.50	0.50	1.00
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
SVOC									
Phenol	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Xylenols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Naphthols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

SOIL SVOCS

Lab Number					129852	129853	129854	129855	129856
Client Reference					1	1	1	1	1
Sample ID					S11	S12	S13	S14	S15
Depth (m)					0.50	1.00	0.50	1.00	0.50
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
SVOC									
Phenol	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Xylenols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Naphthols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

SOIL SVOCS

Lab Number					129857	129858	129859	129860	129861
Client Reference					1	1	1	1	1
Sample ID					S16	S17	S18	S19	S20
Depth (m)					1.00	0.50	1.00	1.00	1.00
Sampling Date					01/09/2026	01/09/2026	01/09/2026	01/09/2026	01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**					
SVOC									
Phenol	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Cresols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Xylenols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Naphthols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Trimethylphenols	CE189	N	0.1	mg/kg	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

SOIL SVOCS

Lab Number					129862
Client Reference					1
Sample ID					S21
Depth (m)					1.00
Sampling Date					01/09/2026
Test	**Method**	**Accred**	**LoD**	**Units**	
SVOC					
Phenol	CE189	N	0.1	mg/kg	< 0.10
Cresols	CE189	N	0.1	mg/kg	< 0.10
Xylenols	CE189	N	0.1	mg/kg	< 0.10
Naphthols	CE189	N	0.1	mg/kg	< 0.10
Trimethylphenols	CE189	N	0.1	mg/kg	< 0.10

METHOD DETAILS

METHOD	TESTNAME	METHOD SUMMARY	ANALYSIS BASIS
CE267	VPH in Soil	HS-GCFID	As submitted sample
SUBCON	Asbestos Soil	HSG248	Air Dried Sample
CE189	SVOC in solids	DCM Extraction and GCMS	As submitted sample
CE264	Metals by ICP in Soil	ICPOES	Air dried sample
CE267	BTEX in Soils	Analysis by HSGCFID	As submitted sample
CE263	ChromiumVI by Discrete Analyser in Soil	Gallery	Air dried sample
CE087	PAH in Soil	DCM Extraction and GCMS	As submitted sample
CE078	Phenols in Soil	Continuous Flow Analyser	As submitted sample
CE208	Chromium Hexavalent in Soil	Colorimetry	Air dried sample
CE197	TOC In Soil	PRIMACS Combustion Analyser	Air dried sample
CE286	TPHCWG in Soil	Acetone:Hexane Extraction, SPE and GCFID	As submitted sample

DEVIATING SAMPLE INFORMATION

Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

a	Sampling date not provided
b	Sampling time not provided (waters only)
c	Sample not received in appropriate containers
d	Storage Temperature
e	Headspace present in sample container
f	Sample exceeded sampling to receipt
g	Sample exceeded holding time(s)

Lab ref	Sample ID	Depth (m)	Deviating	Tests (Reason for deviation)
129842	S01	0.50	N	
129843	S02	0.50	N	
129844	S03	0.50	N	
129845	S04	0.50	N	
129846	S05	0.50	N	
129847	S06	0.50	N	
129848	S07	0.50	N	
129849	S08	0.50	N	
129850	S09	0.50	N	
129851	S10	1.00	N	
129852	S11	0.50	N	
129853	S12	1.00	N	
129854	S13	0.50	N	
129855	S14	1.00	N	
129856	S15	0.50	N	
129857	S16	1.00	N	
129858	S17	0.50	N	
129859	S18	1.00	N	
129860	S19	-	N	
129861	S20	-	N	
129862	S21	-	N	

REPORT INFORMATION

Report No.:26-10868, issue number 1

Key	
U	ISO17025 Accredited Result
M	ISO17025 and MCERTS Accredited Result
N	Do not currently hold accreditation
^	MCERTS accreditation not applicable for sample matrix
*	ISO17025 accreditation not applicable for sample matrix
S	Subcontracted
I/S	Insufficient Sample
U/S	Unsuitable sample
N/T	Not tested
<	Means "less than"
>	Means "greater than"

LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.

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

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

All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.

The results relate only to the sample received.

Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Moisture Content Calculated on a Wet Weight basis (at 30°C)

Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.

Where sampling was undertaken by Chemtech Environmental Limited it is outside the UKAS accreditation scope.

Methods, procedures and performance data are available on request.

Results reported herein relate only to the material supplied to the laboratory.

BTEX compounds are identified by retention time only and may include interference from co-eluting compounds.

For soils and solids, all results are reported on a dry basis (30°C). Samples dried at no more than 30°C in a drying cabinet.

For soils and solids, analytical results are inclusive of stones and 'inert' material, where applicable.

'Client Reference', 'Sample ID', 'Sample Location', 'Sample Type', 'Depth', 'Sample Date' and 'Sample Time' information is provided by the customer

Sample Retention and Disposal

All soil samples will be retained for a period of 4 weeks from the point of receipt

All water samples will be retained for a period of 2 weeks from the point of Reporting

Charges may apply to extended sample storage

TPH Classification - HWOL Acronym System

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

Unless specifically identified (noted as "(B)" in analyte name) all internal analysis performed at Durham site