



ANALYTICAL TEST REPORT

Report Number 25-07342, issue number 1

Contract name: The Lodge Bennets Rise Haywards Heath West Sussex

Client reference: Not Supplied

Clients name: WK Elson

Clients address: WK Elson
Orchard End
7 Finches Court
Sussex
RH16 2PG

Samples received: 25/07/2025

Analysis started: 25/07/2025

Analysis completed: 05/08/2025

Report issued: 05/08/2025

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

Approved by: Georgia Hunter
Senior Reporting Administrator

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.

Lab ref	Sample ID	Depth (m)	Sample description	Material removed	% Removed	% Moisture
60206	TP1	-	Brown Loamy Sand with Gravel and Vegetation.	-	-	5.7
60207	TP2	-	Brown Loamy Sand with Gravel and Vegetation.	-	-	9.3
60208	TP3	-	Brown Sandy Clay with Gravel and Vegetation.	-	-	12.2
60209	TP4	-	Brown Sandy Clay with Gravel and Vegetation.	-	-	15.0

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)
60206	TP1	-	N	
60207	TP2	-	N	
60208	TP3	-	N	
60209	TP4	-	N	

SOILS

Lab Number					60206	60207	60208	60209
Client Reference					SOIL	SOIL	SOIL	SOIL
Sample ID					TP1	TP2	TP3	TP4
Sampling Date					22/07/2025	22/07/2025	22/07/2025	22/07/2025
Test	Method	Accred	LoD	Units				
Metals								
Water Soluble Boron	CE063	N	0.5	mg/kg	0.97	< 0.50	< 0.50	< 0.50
Arsenic	CE264	U	1.8	mg/kg	12.0	16.9	11.9	12.5
Cadmium	CE264	M	1.6	mg/kg	< 1.6	< 1.6	< 1.6	< 1.6
Chromium	CE264	U	2	mg/kg	31.8	33.4	26.4	24.7
Copper	CE264	M	1.6	mg/kg	59.0	82.3	91.7	20.4
Lead	CE264	U	2.3	mg/kg	95.3	121	76.9	46.7
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	< 0.7	< 0.7
Nickel	CE264	M	2.1	mg/kg	18.2	10.9	11.2	7.7
Selenium	CE264	U	3	mg/kg	5.4	6.5	4.9	5.2
Zinc	CE264	M	4	mg/kg	219	108	79.1	55.3
Colourimetric								
Water Soluble Chromium VI	CE263	N	0.04	mg/kg	0.050	< 0.040	< 0.040	< 0.040
Combustion								
Moisture Content	CE001	N	0.1	%	5.7	9.3	12.2	15.0
Polyaromatic hydrocarbons								
Naphthalene	CE087	M	0.016	mg/kg	0.040	0.030	0.040	< 0.016
Acenaphthylene	CE087	M	0.015	mg/kg	< 0.015	0.039	0.106	< 0.015
Acenaphthene	CE087	M	0.013	mg/kg	0.152	0.146	0.085	0.029
Fluorene	CE087	U	0.013	mg/kg	0.168	0.113	0.103	0.016
Phenanthrene	CE087	M	0.014	mg/kg	2.40	2.02	2.30	0.261
Anthracene	CE087	U	0.017	mg/kg	0.686	0.356	0.444	0.073
Fluoranthene	CE087	M	0.017	mg/kg	3.84	3.72	4.75	0.449
Pyrene	CE087	M	0.016	mg/kg	3.25	3.15	3.94	0.391
Benzo(a)anthracene	CE087	U	0.012	mg/kg	1.77	1.53	2.04	0.223
Chrysene	CE087	M	0.028	mg/kg	1.47	1.40	1.76	0.179
Benzo(b)fluoranthene	CE087	M	0.02	mg/kg	1.91	1.91	2.37	0.270
Benzo(k)fluoranthene	CE087	M	0.025	mg/kg	0.833	0.814	1.04	0.101
Benzo(a)pyrene	CE087	U	0.019	mg/kg	1.85	1.65	1.84	0.196
Indeno(1,2,3-cd)pyrene	CE087	M	0.019	mg/kg	1.51	1.56	1.72	0.188
Dibenzo(a,h)anthracene	CE087	M	0.017	mg/kg	0.278	0.253	0.266	0.039

SOILS

Lab Number					60206	60207	60208	60209
Client Reference					SOIL	SOIL	SOIL	SOIL
Sample ID					TP1	TP2	TP3	TP4
Sampling Date					22/07/2025	22/07/2025	22/07/2025	22/07/2025
Test	Method	Accred	LoD	Units				
Benzo(g,h,i)perylene	CE087	M	0.019	mg/kg	1.08	1.19	1.27	0.139
Total PAH(16)	CE087	N	0.28	mg/kg	21.2	19.9	24.1	2.56
Wet Chem								
pH	CE004	M	0.1	pH units	7.8	7.6	8.2	7.8

METHOD DETAILS

METHOD	TESTNAME	METHOD SUMMARY	ANALYSIS BASIS
CE004	pH of Soil	Potentiometric	As submitted sample
CE063	Water soluble boron	ICPOES	Air dried sample
CE264	Metals by ICP in Soil	ICPOES	Air dried sample
CE263	ChromiumVI by Discrete Analyser in Soil	Gallery	Air dried sample
CE087	PAH in Soil	DCM Extraction and GCMS	As submitted sample

REPORT INFORMATION

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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.

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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

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

Sampling was undertaken by Chemtech Environmental Limited and 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. Samples dried at no more than 30°C in a drying

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

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

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