

Certificate of Analysis

Client: Enitial

Project: 21091693

Quote: BEC210115238

Project Ref: Scheduled Samples 08-2021

Site: Woolfox

Contact: Graham White

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No. Samples Received: 2

Date Received: 23/09/2021

Analysis Date: 30/09/2021

Date Issued: 30/09/2021

Job Status: Complete

Report Type: Final Version 01

This report supercedes any versions previously issued by the laboratory



Account Manager
Martin Elliott-Palmer



Authorised by the Operations Manager
Becky Batham



Client: Enital
Project Name: Scheduled Samples 08-2021
Project No: 21091693
Date Issued: 30/09/2021

Samples Analysed

<u>Sample Reference</u>	<u>Text ID</u>	<u>Sample Date</u>	<u>Sample Type</u>	<u>Sample Description</u>
BHY	21091693-001	21/09/2021 00:00:00	WATER	Ground Water
BHZ	21091693-002	21/09/2021 00:00:00	WATER	Ground Water

Analysis Results

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002
					Customer ID	BHY	BHZ
					Sample Type	WATER	WATER
					Sampling Date	21/09/2021	21/09/2021
Ammoniacal Nitrogen as N	KONENS	0.01	mg/l	U		0.02	0.04
Conductivity at 25°C	PHCONDW	100	µS/cm	U		684	756
pH	PHCONDW	1	pH units	U		7.5	7.7
Redox Potential	WSLM25		mV	N		54.2	56.7
Chloride as Cl	KONENS	1	mg/l	U		31	37
Total Oxidised Nitrogen	KONENS	0.2	mg/l	U		12.5	13.2
COD (Settled)	WSLM11	5	mg/l	U		<5	<5
Acidity as CaCO ₃	WSLM17	2	mg/l	U		Nil	Nil
Total Alkalinity	WSLM12	2	mg/l	U		203	235
Dissolved Oxygen	WSLM20	0.1	mg O ₂ /l	N		5.9	7.4
BOD (5 day)	WSLM20	1	mg O ₂ /l	U		1.0	<1.0
Total Organic Carbon	WSLM13	0.2	mg/l	U		0.61	0.42
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U		<0.00002	<0.00002
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001
Manganese as Mn	ICPMSW (Dissolved)	0.002	mg/l	U		<0.002	<0.002
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U		0.002	<0.001
Tin as Sn	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001

Analysis Results

					Sample ID	001	002
					Customer ID	BHY	BHZ
					Sample Type	WATER	WATER
					Sampling Date	21/09/2021	21/09/2021
Analysis	Method Code	MDL	Units	Accred.			
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U		<0.002	0.003
Calcium as Ca	ICPWATVAR (Dissolved)	1	mg/l	U		118	134
Iron as Fe	ICPWATVAR (Dissolved)	0.01	mg/l	U		<0.01	<0.01
Magnesium as Mg	ICPWATVAR (Dissolved)	1	mg/l	U		6	6
Potassium as K	ICPWATVAR (Dissolved)	1	mg/l	U		3	3
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U		57	61
Sodium as Na	ICPWATVAR (Dissolved)	1	mg/l	U		16	17

Deviating Sample Report

Sample Reference	Text ID	Reported Name	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
BHY	21091693-001	WSLM20 BOD (5 day)						✓
BHY	21091693-001	WSLM20 Dissolved Oxygen						✓
BHZ	21091693-002	WSLM20 BOD (5 day)						✓
BHZ	21091693-002	WSLM20 Dissolved Oxygen						✓

Analysis Method

Analysis	Analysis Type	Analysis Method
ICPMSW (Dissolved)	METALS	Unfiltered
ICPWATVAR (Dissolved)	METALS	Filtered
KONENS	INORGANIC	Filtered
PHCONDW	INORGANIC	Unfiltered
WSLM11	INORGANIC	Unfiltered
WSLM12	INORGANIC	Unfiltered
WSLM13	INORGANIC	Unfiltered
WSLM17	INORGANIC	Unfiltered
WSLM20	INORGANIC	Unfiltered
WSLM25	INORGANIC	Unfiltered

Result Report Notes

Letters alongside results signify that the result has associated report notes.
The report notes are as follows:

Letter	Note
A	Due to the matrix of the sample the laboratory has had to deviate from our standard protocols to be able to process the sample and provide a result. Where applicable the accreditation has been removed and this should be taken into consideration when utilising the data.
B	The QC associated with this result has not wholly met the QMS requirements, the accreditation has therefore been removed. However, the Laboratory has confidence in the performance of the method as a whole and that the integrity of the data has not been significantly compromised.
C	Due to matrix interference the internal standard and/or surrogate has not met the QMS requirements. This should be taken into consideration when utilising the data.
D	A non-standard volume or mass has been used for this test which has resulted in a raised detection limit.
E	Due to recoveries beyond our calibration range and following the maximum size of dilution allowed, the result cannot be quantified and as such the result will appear as a greater than symbol (>) with the accreditation removed. This data should be used for indicative purposes only.
F	Based on the sample history, appearance and smell a dilution was applied prior to testing. Unfortunately, the result is either above (>) or below (<) our calibration range. Results above our calibration range have accreditation removed. The data should be used for indicative purposes only.



Client: Enitial
Project Name: Woolfox
Project No: 21091693
Date Issued: 30/09/2021

HWOL Acronym Key

<u>Acronym</u>	<u>Description</u>
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e everything extracted by the solvent(s)
CU	Clean up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
+	Operator to indicate cumulative e.g. EH_CU+HS_1D_Total

Additional Information

This report refers to samples as received, and SOCOTEC UK Ltd takes no responsibility for accuracy or competence of sampling by others.

Results within this report relate only to the samples tested.

In the accreditation column of analysis report the codes are as follows:

- U = UKAS accredited analysis
- M = MCERT accredited analysis
- N = Unaccredited analysis

Any units marked with ^ signify results are reported on a dry weight basis of 105° c.

All Air Dried and Ground Samples (ADG) are oven dried at less than 35° c.

This report shall not be reproduced except in full and with approval from the laboratory.

Opinions and interpretations given are outside the scope of our UKAS accreditation.

Any samples marked with * are not covered by our scope of UKAS accreditation. If applicable, further report notes have been added.

Any solid samples where the Major Constituents are not one of the following (Sand, Silt, Clay, Made Ground) are not one of our accredited matrix types.

Any samples marked with ‡ have had MCERTS accreditation removed for this result

Any samples marked with a tick in the deviant table is deviant for the specific reason.

Any samples reported as IS, NA, ND mean the following:

- IS = Insufficient Sample to complete analysis
- NA = Sample is not amenable for the required analysis
- ND = Results cannot be determined

Our deviating sample report does not include deviancy information for Subcontracted analysis. Please see the report from the Subcontracted lab for information regarding any deviancies for this analysis.

End of Certificate of Analysis