

Environmental
Chemistry

Certificate of Analysis

Client: Enitial

Project: 21120107

Quote: BEC210115238

Project Ref: Scheduled Samples 11-2021

Site: Woolfox

Contact: Data Data

Address: Enterprise Drive
Four Ashes
Wolverhampton
WV10 7DE

E-Mail: data@enitial.co.uk

Phone: 000000000000

No. Samples Received: 5

Date Received: 02/12/2021

Analysis Date: 10/12/2021

Date Issued: 10/12/2021

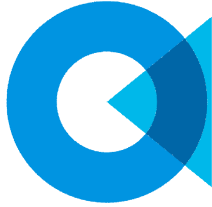
Job Status: Complete

Report Type: Final Version 01

This report supercedes any versions previously issued by the laboratory

Account Manager
Angela Kirby

Authorised by the Operations Manager
Becky Batham



Client: Enitial
Project Name: Scheduled Samples 11-2021
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Date Issued: 10/12/2021

Samples Analysed

<u>Sample Reference</u>	<u>Text ID</u>	<u>Sample Date</u>	<u>Sample Type</u>	<u>Sample Description</u>
BHA	21120107-001	30/11/2021 00:00:00	WATER	Ground Water
BHB	21120107-002	30/11/2021 00:00:00	WATER	Ground Water
BHE	21120107-003	30/11/2021 00:00:00	WATER	Ground Water
BHY	21120107-004	30/11/2021 00:00:00	WATER	Ground Water
BHZ	21120107-005	30/11/2021 00:00:00	WATER	Ground Water



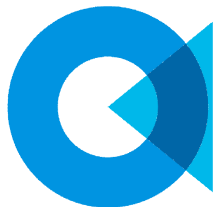
Analysis Results

Client: Enital
Project Name: Woolfox
Project No: 21120107
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Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005
					Customer ID	BHA	BHB	BHE	BHY	BHZ
					Sample Type	WATER	WATER	WATER	WATER	WATER
					Sampling Date	30/11/2021	30/11/2021	30/11/2021	30/11/2021	30/11/2021
Ammoniacal Nitrogen as N	KONENS	0.01	mg/l	U		0.01	0.01	0.02	0.02	0.03
Conductivity at 25°C	PHCONDW	100	µS/cm	U		714	748	655	731	741
pH	PHCONDW	1	pH units	U		7.4	7.4	7.3	7.4	7.4
Redox Potential	WSLM25		mV	N		72.6	83.1	66.4	82.6	84.3
Chloride as Cl	KONENS	1	mg/l	U		37	45	46	43	42
Total Oxidised Nitrogen	KONENS	0.2	mg/l	U		12.4	14.0	3.2	10.9	13.2
COD (Settled)	WSLM11	5	mg/l	U		<5	<5	<5	<5	<5
Acidity as CaCO3	WSLM17	2	mg/l	U		Nil	Nil	Nil	Nil	Nil
Total Alkalinity	WSLM12	2	mg/l	U		227	218	243	226	232
Dissolved Oxygen	WSLM20	0.1	mg O2/l	N		10.7	10.2	10.7	10.5	10.8
BOD (5 day)	WSLM20	1	mg O2/l	U		<1.0* _B	<1.0* _B	4.0* _B	<1.0* _B	<1.0* _B
Total Organic Carbon	WSLM13	0.2	mg/l	U		0.77	0.96	0.71	0.67	0.73
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U		<0.00002	<0.00002	<0.00002	0.00002	0.00008
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001	<0.001	<0.001	<0.001
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001	0.001	<0.001	<0.001
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001	<0.001	<0.001	<0.001
Manganese as Mn	ICPMSW (Dissolved)	0.002	mg/l	U		0.015	<0.002	<0.002	0.025	0.003
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001	0.002	<0.001	0.002
Tin as Sn	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001	<0.001	<0.001	<0.001

Analysis	Method Code	MDL	Units	Accred.	Sample ID	001	002	003	004	005
					Customer ID	BHA	BHB	BHE	BHY	BHZ
					Sample Type	WATER	WATER	WATER	WATER	WATER
					Sampling Date	30/11/2021	30/11/2021	30/11/2021	30/11/2021	30/11/2021
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U		<0.002	<0.002	<0.002	0.090	0.125
Calcium as Ca	ICPWATVAR (Dissolved)	1	mg/l	U		141	143	146	146	138
Iron as Fe	ICPWATVAR (Dissolved)	0.01	mg/l	U		<0.01	0.01	<0.01	<0.01	0.01
Magnesium as Mg	ICPWATVAR (Dissolved)	1	mg/l	U		6	6	6	8	7
Potassium as K	ICPWATVAR (Dissolved)	1	mg/l	U		2	4	2	4	3
Total Sulphur as SO ₄	ICPWATVAR (Dissolved)	3	mg/l	U		63	68	52	78	65
Sodium as Na	ICPWATVAR (Dissolved)	1	mg/l	U		17	22	20	26	21



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Deviating Sample Report

Sample Reference	Text ID	Reported Name	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
BHA	21120107-001	WSLM20						✓
BHB	21120107-002	WSLM20						✓
BHE	21120107-003	WSLM20						✓
BHY	21120107-004	WSLM20						✓
BHZ	21120107-005	WSLM20						✓

Analysis Method

Analysis

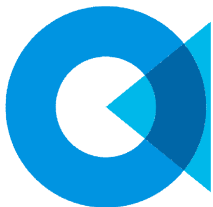
ICPMSW (Dissolved)
 ICPWATVAR (Dissolved)
 KONENS
 PHCONDW
 WSLM11
 WSLM12
 WSLM13
 WSLM17
 WSLM20
 WSLM25

Analysis Type

METALS
 METALS
 INORGANIC
 INORGANIC
 INORGANIC
 INORGANIC
 INORGANIC
 INORGANIC
 INORGANIC

Analysis Method

Unfiltered
 Filtered
 Filtered
 Unfiltered
 Unfiltered
 Unfiltered
 Unfiltered
 Unfiltered
 Unfiltered



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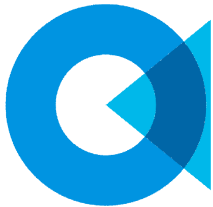
Result Report Notes

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

<u>Letter</u>	<u>Note</u>
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.
G	The day 5 oxygen reading was below the capability of the instrument to detect, and therefore the calculated BOD has been reported unaccredited for guidance purposes only.

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



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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