



SOCOTEC

Environmental Chemistry
SOCOTEC UK
Ashby Rd, Bretby,
Burton-on-Trent, UK
DE15 0YZ

Certificate of Analysis

Project No: 20121945

Client: Enitial

Quote Number: BEC20015786

Project Reference: Woolfox Quarry

Site Name: Woolfox Quarry

Contact: Ben Abbott

Address: Enterprise Drive
Four Ashes
Wolverhampton

Post Code: WV10 7DE

E-Mail: ben.abbott@enitial.co.uk

Phone No: tbc

Number of Samples Received: 3

Date Received: 24/12/2020

Analysis Date: 11/01/2021

Date Issued: 11/01/2021

Job Status: Complete

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory

Account Manager
Laura Moore

Authorised by the Operations Manager
Becky Batham



Client: Enital

Project Name: Woolfox Quarry

Project No: 20121945

Date Issued: 11/01/2021

Samples Analysed

<u>Sample Reference</u>	<u>Text ID</u>	<u>Sample Date</u>	<u>Sample Type</u>	<u>Sample Description</u>
BHX	20121945-001	23/12/2020 00:00:00	WATER	Ground Water
BHY	20121945-002	23/12/2020 00:00:00	WATER	Ground Water
BHZ	20121945-003	23/12/2020 00:00:00	WATER	Ground Water



Client: Enitial
 Project Name: Woolfox Quarry
 Project No: 20121945
 Date Issued: 11/01/2021

Analysis Results

Project ID	20121945		
Sample ID	001	002	003
Customer ID	BHX	BHY	BHZ
Sample Type	WATER	WATER	WATER
Sampling Date	23/12/2020	23/12/2020	23/12/2020

Analysis	Method Code	MDL	Units	Accred			
Ammoniacal Nitrogen as N	KONENS	0.01	mg/l	U	0.03	<0.01	0.02
Conductivity at 25°C	WSLM2 & 3	100	µS/cm	U	854	746	770
pH	WSLM2 & 3	1	pH units	U	7.6	7.4	7.4
Redox Potential	WSLM25		mV	N	47.3	60.8	67.3
Chloride as Cl	KONENS	1	mg/l	U	71	42	43
Total Oxidised Nitrogen	KONENS	0.2	mg/l	U	12.6	13.0	13.2
COD (Settled)	WSLM11	5	mg/l	U	<5	<5	<5
Acidity as CaCO3	WSLM17	2	mg/l	U	Nil	Nil	16.0
Total Alkalinity	WSLM12	2	mg/l	U	244	228	223
Dissolved Oxygen	WSLM20	0.1	mg O2/l	N	6.1	8.5	6.0
BOD (5 day)	WSLM20	1	mg O2/l	U	<1.0*	<1.0*	<1.0*
Total Organic Carbon	WSLM13	0.2	mg/l	U	1.1	0.64	0.58
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U	<0.00002	<0.00002	0.00002
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001	<0.001	<0.001
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001	<0.001	<0.001
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001	<0.001	<0.001
Manganese as Mn	ICPMSW (Dissolved)	0.002	mg/l	U	<0.002	<0.002	<0.002
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U	0.003	<0.001	<0.001
Tin as Sn	ICPMSW (Dissolved)	0.001	mg/l	U	0.014	<0.001	<0.001
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U	0.003	<0.002	0.120
Calcium as Ca	ICPWATVAR (Dissolved)	1	mg/l	U	136	132	140
Iron as Fe	ICPWATVAR (Dissolved)	0.01	mg/l	U	<0.01	<0.01	<0.01
Magnesium as Mg	ICPWATVAR (Dissolved)	1	mg/l	U	16	7	7
Potassium as K	ICPWATVAR (Dissolved)	1	mg/l	U	2	4	3





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Analysis Results

Project ID	20121945						
Sample ID	001	002	003				
Customer ID	BHX	BHY	BHZ				
Sample Type	WATER	WATER	WATER				
Sampling Date	23/12/2020	23/12/2020	23/12/2020				
Analysis	Method Code	MDL	Units	Accred			
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U	78	68	74
Sodium as Na	ICPWATVAR (Dissolved)	1	mg/l	U	35	21	23





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<u>Deviating Sample Report</u>			Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time	Handling Time
Sample Reference	Text ID	Reported Name							

Analysis Method

<u>Analysis</u>	<u>Analysis Type</u>	<u>Analysis Method</u>
ICPMSW (Dissolved)	METALS	Unfiltered
ICPWATVAR (Dissolved)	METALS	Unfiltered
KONENS	INORGANIC	Filtered
WSLM11	INORGANIC	Unfiltered
WSLM12	INORGANIC	Unfiltered
WSLM13	INORGANIC	Unfiltered
WSLM17	INORGANIC	Unfiltered
WSLM2 & 3	INORGANIC	Unfiltered
WSLM20	INORGANIC	Unfiltered
WSLM25	INORGANIC	Unfiltered



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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