



SOCOTEC

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

Certificate of Analysis

Project No: 21052012

Client: Enitial

Quote Number: BEC210115238

Project Reference: Scheduled Samples 05-2021

Site Name: Woolfox

Contact: Graham White

Address: Enterprise Drive
Four Ashes
Wolverhampton

Post Code: WV10 7DE

E-Mail: Graham.White@enitial.co.uk

Phone No: 07967 785737

Number of Samples Received: 7

Date Received: 28/05/2021

Analysis Date: 03/06/2021

Date Issued: 04/06/2021

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: Enitial

Project Name: Woolfox

Project No: 21052012

Date Issued: 04/06/2021

Samples Analysed

<u>Sample Reference</u>	<u>Text ID</u>	<u>Sample Date</u>	<u>Sample Type</u>	<u>Sample Description</u>
BHA	21052012-001	26/05/2021 00:00:00	WATER	Ground Water
BHB	21052012-002	26/05/2021 00:00:00	WATER	Ground Water
BHD	21052012-003	26/05/2021 00:00:00	WATER	Ground Water
BHE	21052012-004	26/05/2021 00:00:00	WATER	Ground Water
BHG	21052012-005	26/05/2021 00:00:00	WATER	Ground Water
BHY	21052012-006	26/05/2021 00:00:00	WATER	Ground Water
BHZ	21052012-007	26/05/2021 00:00:00	WATER	Ground Water

Analysis Results

					Project ID	21052012				
					Sample ID	001	002	003	004	005
					Customer ID	BHA	BHB	BHD	BHE	BHG
					Sample Type	WATER	WATER	WATER	WATER	WATER
					Sampling Date	26/05/2021	26/05/2021	26/05/2021	26/05/2021	26/05/2021
Analysis	Method Code	MDL	Units	Accred						
Ammoniacal Nitrogen as N	KONENS	0.01	mg/l	U		0.06	<0.01	<0.01	<0.01	<0.01
Conductivity at 25°C	PHCONDW	100	µS/cm	U		781	742	1300	836	714
pH	PHCONDW	1	pH units	U		7.4	7.4	7.3	7.3	7.4
Redox Potential	WSLM25		mV	N		76.5	86.4	96.0	72.0	74.7
Chloride as Cl	KONENS	1	mg/l	U		38	37	124	70	33
Total Oxidised Nitrogen	KONENS	0.2	mg/l	U		7.4	14.6	9.7	7.6	15.2
COD (Settled)	WSLM11	5	mg/l	U		<5	<5	5	5	<5
Acidity as CaCO ₃	WSLM17	2	mg/l	U		Nil	Nil	Nil	Nil	Nil
Total Alkalinity	WSLM12	2	mg/l	U		399	225	313	262	190
Dissolved Oxygen	WSLM20	0.1	mg O ₂ /l	N		6.3	9.0	6.6	8.6	9.3
BOD (5 day)	WSLM20	1	mg O ₂ /l	U		<1.3	<1.0	<1.3	<1.0	1.0
Total Organic Carbon	WSLM13	0.2	mg/l	U		0.43	0.34	2.3	1.2	0.50
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
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		0.019	<0.002	<0.002	<0.002	<0.002
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001	0.002	0.001	<0.001
Tin as Sn	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001	<0.001	<0.001	<0.001	<0.001
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U		0.048	<0.002	<0.002	<0.002	<0.002
Calcium as Ca	ICPWATVAR (Dissolved)	1	mg/l	U		137	129	215	133	131
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		9	6	11	6	6
Potassium as K	ICPWATVAR (Dissolved)	1	mg/l	U		3	4	5	3	4

Analysis Results

					Project ID	
					21052012	
					Sample ID	006
					Customer ID	007
					Sample Type	BHY
					Sampling Date	BHZ
						WATER
						WATER
						26/05/2021
						26/05/2021
Analysis	Method Code	MDL	Units	Accred		
Ammoniacal Nitrogen as N	KONENS	0.01	mg/l	U	<0.01	<0.01
Conductivity at 25°C	PHCONDW	100	µS/cm	U	790	706
pH	PHCONDW	1	pH units	U	7.5	7.5
Redox Potential	WSLM25		mV	N	77.8	84.9
Chloride as Cl	KONENS	1	mg/l	U	44	31
Total Oxidised Nitrogen	KONENS	0.2	mg/l	U	2.2	13.0
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	284	204
Dissolved Oxygen	WSLM20	0.1	mg O ₂ /l	N	6.3	9.1
BOD (5 day)	WSLM20	1	mg O ₂ /l	U	<1.0	<1.0
Total Organic Carbon	WSLM13	0.2	mg/l	U	0.58	0.38
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	0.009	<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
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U	<0.002	0.041
Calcium as Ca	ICPWATVAR (Dissolved)	1	mg/l	U	108	131
Iron as Fe	ICPWATVAR (Dissolved)	0.01	mg/l	U	<0.01	<0.01
Magnesium as Mg	ICPWATVAR (Dissolved)	1	mg/l	U	10	6
Potassium as K	ICPWATVAR (Dissolved)	1	mg/l	U	3	4



Client: Enitial
 Project Name: Woolfox
 Project No: 21052012
 Date Issued: 04/06/2021

Analysis Results

					Project ID	21052012				
					Sample ID	001	002	003	004	005
					Customer ID	BHA	BHB	BHD	BHE	BHG
					Sample Type	WATER	WATER	WATER	WATER	WATER
					Sampling Date	26/05/2021	26/05/2021	26/05/2021	26/05/2021	26/05/2021
Analysis	Method Code	MDL	Units	Accred						
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U		72	61	177	66	60
Sodium as Na	ICPWATVAR (Dissolved)	1	mg/l	U		31	17	76	40	16





Client: Enitial
Project Name: Woolfox
Project No: 21052012
Date Issued: 04/06/2021

Analysis Results

					Project ID	21052012	
					Sample ID	006	007
					Customer ID	BHY	BHZ
					Sample Type	WATER	WATER
					Sampling Date	26/05/2021	26/05/2021
Analysis	Method Code	MDL	Units	Accred			
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U	96	55	
Sodium as Na	ICPWATVAR (Dissolved)	1	mg/l	U	46	16	



Additional Report Notes

Method Code	Sample ID	The following information should be taken into consideration when using the data contained within this report
WSLM20	1, 3	Based on the sample history/appearance/smell, a dilution was applied prior to testing. Unfortunately the result is below our lower range for this sample volume, therefore the detection limit has been raised.

LIMS-F002 - Report Notes

<u>Deviating Sample Report</u>				Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
Sample Reference	Text ID	Reported Name							
BHA	21052012-001	WSLM20	BOD (5 day)						✓
BHA	21052012-001	WSLM20	Dissolved Oxygen						✓
BHB	21052012-002	WSLM20	BOD (5 day)						✓
BHB	21052012-002	WSLM20	Dissolved Oxygen						✓
BHD	21052012-003	WSLM20	BOD (5 day)						✓
BHD	21052012-003	WSLM20	Dissolved Oxygen						✓
BHE	21052012-004	WSLM20	BOD (5 day)						✓
BHE	21052012-004	WSLM20	Dissolved Oxygen						✓
BHG	21052012-005	WSLM20	BOD (5 day)						✓
BHG	21052012-005	WSLM20	Dissolved Oxygen						✓
BHY	21052012-006	WSLM20	BOD (5 day)						✓
BHY	21052012-006	WSLM20	Dissolved Oxygen						✓
BHZ	21052012-007	WSLM20	BOD (5 day)						✓
BHZ	21052012-007	WSLM20	Dissolved Oxygen						✓

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
INORGANIC

Analysis Method

Filtered
Filtered
Filtered
Unfiltered
Unfiltered
Unfiltered
Unfiltered
Unfiltered
Unfiltered
Unfiltered



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Date Issued: 04/06/2021

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.

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

End of Certificate of Analysis