



SOCOTEC

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

Certificate of Analysis

Project No: 21011770

Client: H Evason & Co

Quote Number: BEC210115412

Project Reference: H Evason

Site Name: Dorrington

Contact: Mark Evason

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Dorrington
Shrewsbury
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Number of Samples Received: 9

Date Received: 29/01/2021

Analysis Date: 09/02/2021

Date Issued: 09/02/2021

Job Status: Complete

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory

Account Manager
Martin Elliott-Palmer

Authorised by the Operations Manager
Becky Batham



Client: H Evason & Co

Project Name: Dorrington

Project No: 21011770

Date Issued: 09/02/2021

Samples Analysed

<u>Sample Reference</u>	<u>Text ID</u>	<u>Sample Date</u>	<u>Sample Type</u>	<u>Sample Description</u>
SW1	21011770-001	27/01/2021 00:00:00	WATER	Surface Water
SW2	21011770-002	27/01/2021 00:00:00	WATER	Surface Water
SW3	21011770-003	27/01/2021 00:00:00	WATER	Surface Water
GW1	21011770-004	27/01/2021 00:00:00	WATER	Ground Water
GW2	21011770-005	27/01/2021 00:00:00	WATER	Ground Water
PMP1	21011770-006	27/01/2021 00:00:00	WATER	Ground Water
PMP2	21011770-007	27/01/2021 00:00:00	WATER	Ground Water
PMP3	21011770-008	27/01/2021 00:00:00	WATER	Ground Water
PMP4	21011770-009	27/01/2021 00:00:00	WATER	Ground Water



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Analysis Results

Project ID	21011770				
Sample ID	001	002	003	004	005
Customer ID	SW1	SW2	SW3	GW1	GW2
Sample Type	WATER	WATER	WATER	WATER	WATER
Sampling Date	27/01/2021	27/01/2021	27/01/2021	27/01/2021	27/01/2021

Analysis	Method Code	MDL	Units	Accred					
Ammoniacal Nitrogen as N	KONENS	0.01	mg/l	U	0.08	0.10	0.08	0.02	0.80
Conductivity at 25°C	WSLM2 & 3	100	µS/cm	U	273	672	275	433	395
pH	WSLM2 & 3	1	pH units	U	7.5	7.3	7.4	7.4	7.3
Chloride as Cl	KONENS	1	mg/l	U	21	50	21	7	11
Total Oxidised Nitrogen	KONENS	0.2	mg/l	U				0.2	<0.2
COD (Settled)	WSLM11	5	mg/l	U	16	24	14	18	7
Total Alkalinity	WSLM12	2	mg/l	U				213	195
Dissolved Oxygen	WSLM20	0.1	mg O2/l	N	10.3	5.8	10.6	5.9	1.4
Total Organic Carbon	WSLM13	0.2	mg/l	U				6.4	2.3
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				0.004	<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	0.206
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U				<0.00003	<0.00003
Nickel as Ni	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				0.019	0.004
Calcium as Ca	ICPWATVAR (Dissolved)	1	mg/l	U				77	42
Iron as Fe	ICPWATVAR (Dissolved)	0.01	mg/l	U				<0.01	0.01
Magnesium as Mg	ICPWATVAR (Dissolved)	1	mg/l	U				11	18
Potassium as K	ICPWATVAR (Dissolved)	1	mg/l	U				2	6
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U				4	<3
Sodium as Na	ICPWATVAR (Dissolved)	1	mg/l	U				5	12





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Analysis Results

Project ID	21011770			
Sample ID	006	007	008	009
Customer ID	PMP1	PMP2	PMP3	PMP4
Sample Type	WATER	WATER	WATER	WATER
Sampling Date	27/01/2021	27/01/2021	27/01/2021	27/01/2021

Analysis	Method Code	MDL	Units	Accred				
Ammoniacal Nitrogen as N	KONENS	0.01	mg/l	U	<0.01	0.01	0.02	<0.01
Conductivity at 25°C	WSLM2 & 3	100	µS/cm	U	604	1560	239	717
pH	WSLM2 & 3	1	pH units	U	7.5	7.1	6.7	7.4
Chloride as Cl	KONENS	1	mg/l	U	15	77	4	8
Total Oxidised Nitrogen	KONENS	0.2	mg/l	U	5.5	5.4	4.3	4.0
COD (Settled)	WSLM11	5	mg/l	U	11	8	9	<5
Total Alkalinity	WSLM12	2	mg/l	U	276	392	99.4	321
Dissolved Oxygen	WSLM20	0.1	mg O2/l	N	7.0	7.7	8.5	6.4
Total Organic Carbon	WSLM13	0.2	mg/l	U	2.8	3.0	4.7	1.2
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U	<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
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U	0.001	0.001	0.004	<0.001
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001	<0.001	<0.001	<0.001
Manganese as Mn	ICPMSW (Dissolved)	0.002	mg/l	U	<0.002	<0.002	<0.002	<0.002
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U	<0.00003	<0.00003	<0.00003	<0.00003
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001	<0.001	<0.001	<0.001
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U	<0.002	<0.002	0.002	0.009
Calcium as Ca	ICPWATVAR (Dissolved)	1	mg/l	U	112	298	39	116
Iron as Fe	ICPWATVAR (Dissolved)	0.01	mg/l	U	<0.01	<0.01	<0.01	<0.01
Magnesium as Mg	ICPWATVAR (Dissolved)	1	mg/l	U	13	53	6	25
Potassium as K	ICPWATVAR (Dissolved)	1	mg/l	U	3	4	1	2
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U	3	426	8	63
Sodium as Na	ICPWATVAR (Dissolved)	1	mg/l	U	5	38	4	8





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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
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Analysis Method

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