

Certificate of Analysis

Client: Donald Ward Ltd

Project: 23021691

Quote: BEC230128613 V1.1

Project Ref: Chesterfield

Site: Chesterfield

Contact: Lauren Fox

Address: Donald Ward House
East Street
Ilkeston
Derbyshire
DE7 5JB

E-Mail: lfox@ward.com

Phone: +44 (0) 345 337 0000

No. Samples Received: 1

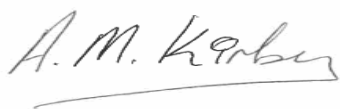
Date Received: 17/02/2023

Analysis Date: 24/02/2023

Date Issued: 27/02/2023

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory



Reported by Customer Service Co-Ordinator
Angela Kirby



Client: Donald Ward Ltd
Project Name: Chesterfield-Chesterfield
Project No: 23021691
Date Issued: 27/02/2023

Samples Analysed

<u>Text ID</u>	<u>Sample Reference</u>	<u>Sampling Date</u>	<u>Sample Type</u>	<u>Sample Description</u>
23021691-001	Chesterfield	13/02/2023 11:15:00	WATER	Unclassified Liquid



Client: Donald Ward Ltd
 Project Name: Chesterfield-Chesterfield
 Project No: 23021691
 Date Issued: 27/02/2023

Analysis Results

					Sample ID
					001
					Customer ID
					Chesterfield
					Sample Type
					WATER
					Sampling Date
					13/02/2023
Analysis	Method Code	MDL	Units	Accred.	
Conductivity at 25°C	PHCONDW	100	µS/cm	N	1730
pH	PHCONDW	1	pH units	N	7.5
Temperature	PHCONDW	0	°C	N	18.726
Total Suspended Solids	WSLM10	5	mg/l	N	26
Total Organic Carbon	TOCW	0.4	mg/l	N	9.53
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	N	0.002
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	N	<0.00002
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	N	<0.001
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	N	0.004
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	N	0.001
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	N	<0.00003
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	N	0.036
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	N	0.586
>C10-C40 (SCU) EH_CU_1D_Total	TPHFID (SCU)	0.01	mg/l	N	0.98



Client: Donald Ward Ltd
 Project Name: Chesterfield-Chesterfield
 Project No: 23021691
 Date Issued: 27/02/2023

Deviating Sample Report

Sample Reference	Text ID	Method Code	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
------------------	---------	-------------	---------------------	-----------------	-----------	---------------------------	------------------	--------------

Analysis Method

Method Code	Method Description	Analysis Method
ICPMSW (Dissolved)	Arsenic (Diss.) in Water by ICPMS	Filtered
ICPMSW (Dissolved)	Cadmium (Diss.) in Water by ICPMS	Filtered
ICPMSW (Dissolved)	Chromium (Diss.) in Water by ICPMS	Filtered
ICPMSW (Dissolved)	Copper (Diss.) in Water by ICPMS	Filtered
ICPMSW (Dissolved)	Lead (Diss.) in Water by ICPMS	Filtered
ICPMSW (Dissolved)	Mercury (Diss.) in Water by ICPMS	Filtered
ICPMSW (Dissolved)	Nickel (Diss.) in Water by ICPMS	Filtered
ICPMSW (Dissolved)	Zinc (Diss.) in Water by ICPMS	Filtered
PHCONDW	Electrical Conductivity @ 25°C	Unfiltered
PHCONDW	pH	Unfiltered
PHCONDW	Temperature for pH	Unfiltered
TOCW	TOC: Total Organic Carbon	Unfiltered
TPHFID (SCU)	TPH (>C10-C40) Total with Silica Cleanup	Unfiltered
WSLM10	TSS: Total Suspended Solids	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 the parameter value being beyond our calibration range (and following the maximum size of dilution allowed, where applicable), 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.



Client: Donald Ward Ltd
Project Name: Chesterfield-Chesterfield
Project No: 23021691
Date Issued: 27/02/2023

- 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



Client: Donald Ward Ltd
Project Name: Chesterfield-Chesterfield
Project No: 23021691
Date Issued: 27/02/2023

Additional Information

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

Results within this report relate only to the samples tested.

The accreditation 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, without written approval of 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

Items listed with a 'SUB' method code prefix have been carried out by an external subcontracted laboratory.

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.

Summaries of analysis methods are available upon request.

End of Certificate of Analysis