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Report Ref: 23\_03\_EN233295\_SW\_01

2<sup>nd</sup> May 2023

## Water Testing – Manvers Lake

Two samples were taken from Manvers Lake, on behalf of Manvers Waterfront Boatclub, on the 29<sup>th</sup> March 2023. The samples were submitted to SOCOTECs UKAS Accredited Microbiological Laboratory for analysis to determine Coliforms, E.Coli and Faecal (Intestinal) Enterococci.

The Analytical results were then compared against the Bathing Water Regulations 2013, based on the EC Bathing Water Directive 2006/7/EC. The limits, for both of these, are normally used for water that is tested on a regular basis, building up a statistical analysis over a number of samples, however the guidance values, illustrated below are still considered most appropriate for one-off or occasional testing.

Legislation	Quality Level	Coliforms cfu/100ml	E.Coli cfu/100ml	Faecal Enterococci cfu/100ml
Inland Water Limits <i>The Bathing Water Regulations 2013</i> <i>EC Bathing Water Directive 2006/7/EC</i>	Excellent	-	< 500	< 200
	Good	-	< 1000	< 400
	Sufficient*	-	< 900	< 330
	Poor (Fail)	-	> 900	> 330

\* The anomaly in limits between Good and Sufficient is based on a statistical measure of all samples, known as percentiles.

The results are given in the table below:

Date Sampled	Sample No	Sample Description	Confirmed Coliforms cfu/100ml	Confirmed E.Coli cfu/100ml	Presumptive Faecal Enterococci cfu/100ml
29/03/23	23_03_EN233295/01	Jetty Edge	18	6	9 cfu/36ml
	23_03_EN233292/02	Headland	34	26	4



The results of the sample analysed fall comfortably within the 'Excellent' band when compared against '*the Bathing Water Regulations 2013 and EC Bathing Water Directive 2006/7/EC for Inland Waters*'.

If you require any further information or assistance please do not hesitate to contact me.

Yours sincerely

A handwritten signature in blue ink, appearing to read "S. Wheatcroft", written in a cursive style.

**Steven Wheatcroft**  
**Environmental Field Team Technologist**  
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SOCOTEC UK Limited

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# Certificate of Analysis



Client: SOCOTEC UK Limited, SOCOTEC Bretby, SOCOTEC House, Bretby Business Park, Ashby Road, Burton-upon-Trent, STAFFORDSHIRE, DE15 0YZ  
 Date Received: 31/03/23 Date Reported: 03/04/23

Client Ref: 234366R24131  
 Report ID: BBR00022378/v1

Unit	cfu/100ml	cfu/100ml	cfu/100ml	cfu/100ml
Method No	ENV/210	ENV/208	ENV/246	ENV/226
Level of Detection	1 cfu/100ml	1 cfu/100ml	1 cfu/100ml	1 cfu/100ml
Accreditation	UKAS	UKAS	UKAS	None
Test	Confirmed Coliforms	Confirmed E. coli	Confirmed Pseudomonas aeruginosa	Presumptive Faecal Enterococci
<b>Socotec Ref: BBR00022378-1</b>	D1	D1	D1	D7b
Client Ref: EN233295/01 Site: Manvers Waterfront Boat Club Matrix: Water Tested: 31/03/23	18	6	0	9 cfu/36ml
<b>Socotec Ref: BBR00022378-2</b>	D1	D1	D1	
Client Ref: EN233295/01 Site: Manvers Waterfront Boat Club Matrix: Water Tested: 31/03/23	34	26	0	4

Authorised by: Katie Hutchinson  
 Position: Laboratory Technician

**Deviant Code Key** Codes denote a deviating sample. As a result the validity of the final test result may have been compromised.

D1: Holding Time Exceeded. D7b: Insufficient Sample Volume - Not Supplied.

Issuing Laboratory: Environmental North, SOCOTEC Bretby, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent, Staffs, DE15 0YZ

Any additional opinions or interpretations found in this report, are outside the scope of UKAS accreditation. TVC figures over 300 cfu or counts marked by an 'e' are approximate.

