

Mr M Benton
 Manvers Lake Trust
 Manvers Waterfront Boat Club
 The Boathouse
 Station Road
 Wath-upon-Dearne
 Rotherham
 S63 7DG

SOCOTEC UK Limited
 Environment & Safety
 Derwent House
 Bretby Business Park
 Ashby Road
 Bretby
 Burton-upon-Trent
 DE15 0YZ

Email to:
 Mark.Benton@manverslaketrust.co.uk
 Jo.Hudson@manverslaketrust.co.uk

Tel: 01283 554400
 Web: www.socotec.co.uk

Report Ref: 24_08_EN260045_SW_01

24th September 2024

Water Testing – Manvers Lake

Sample were taken from Manvers Lake, on behalf of Manvers Waterfront Boatclub, on the 27th August 2024. The samples were submitted to SOCOTECs UKAS Accredited Microbiological Laboratory for analysis to determine Coliforms, E.Coli and Faecal (Intestinal) Eneerococci.

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 tables below:

Table 1

Date Sampled	Sample No	Sample Description	Confirmed Coliforms cfu/100ml	Confirmed E.Coli cfu/100ml	Presumptive Faecal Enterococci cfu/100ml
27/08/24	24_08_EN260045/01	Jetty Edge	>141	41	80
	24_08_EN260045/02	Headland	59	26	6

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'. It was not possible to give a more definitive count for the Jetty Edge bacterial sample due to the lab not undertaking dilutions on that sample. However, there is no stated limit for confirmed coliforms.

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

Yours sincerely



Steven Wheatcroft
Environmental Field Team Technologist
Environment & Safety
SOCOTEC UK Limited

E-mail: steven.wheatcroft@socotec.com

M: 07919 416346
T: 01283 554344

Certificate of Analysis



Client: SOCOTEC UK Limited, SOCOTEC Bretby, SOCOTEC House, Bretby Business Park, Ashby Road, Burton-upon-Trent, STAFFORDSHIRE, DE15 0YZ
 Date Received: 28/08/24 Date Reported: 09/09/24

Client Ref: 266348R242820
 Report ID: BBR00027989/v3

Amended report number BBR00027989/v3 replaces report number BBR00027989/v2.

Unit	cfu/100ml	cfu/100ml	cfu/100ml	cfu/100ml
Method No	ENV/208/209	ENV/209	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	Presumptive E.coli	Presumptive Coliforms	Confirmed Pseudomonas aeruginosa	Presumptive Faecal Enterococci
Socotec Ref: BBR00027989-1 Client Ref: EN233295/1	D1	D1	D1	
Site: Manvers Lake Sampled: 27/08/24 Matrix: Water Source: Jetty Edge Tested: 28/08/24 Temp: N/A	41	>141	0	80
Socotec Ref: BBR00027989-2 Client Ref: EN233295/2	D1	D1	D1	
Site: Manvers Lake Sampled: 27/08/24 Matrix: Water Source: Headland Tested: 28/08/24 Temp: N/A	26	59	0	6

Authorised by: Michelle Davis
 Position: Microbiology 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.

Issuing Laboratory: Environmental North, SOCOTEC UK Ltd 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.

