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Report Ref: 23_10_EN233295_SW_02

13th December 2023

Revised Report Date: 22nd January 2024

Water Testing – Manvers Lake

One sample was taken from Manvers Lake, on behalf of Manvers Waterfront Boatclub, on the 31st October 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
31/10/23	23_10_EN233295/01	Jetty Edge	43	19	25
	23_10_EN233292/02	Headland	>200	>200	>100

The results of both samples 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'* for Presumptive Faecal Enterococci. It was not possible to give a more definitive count for the October Headland bacterial sample due to the lab not undertaking dilutions on that sample.

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

Yours sincerely



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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: 01/11/23 Date Reported: 06/11/23

Client Ref: 234366R26353
 Report ID: BBR00024600/v1

Unit	cfu/100ml	cfu/100ml	cfu/100ml	cfu/100ml
Method No	ENV/210/209	ENV209/208	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
Socotec Ref: BBR00024600-1 Client Ref: EN233295/10/1	D1	D1	D1	
Site: Manvers Lake Sampled: 31/10/23 Matrix: Water Source: Jetty Edge Tested: 01/11/23 Temp: N/A	43	19	0	25
Socotec Ref: BBR00024600-2 Client Ref: EN233295/10/2	D1	D1	D1	
Site: Manvers Lake Sampled: 31/10/23 Matrix: Water Source: Headland Tested: 01/11/23 Temp: N/A	>200	>200	0	>100

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.

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.