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Report Ref: 21\_08\_EN179033\_DG\_01

8<sup>th</sup> September 2021

Dear Mark

## Water Testing – Manvers Lake

Two samples were taken from Manvers Lake, on behalf of Manvers Waterfront Boatclub, on the 19<sup>th</sup> August 2021. 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
<b>Inland Water Limits</b> <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
19.08.21	21_08_EN179033_01	Jetty Edge	33	30	>100
	21_08_EN179033_02	Headland	38	36	18

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

The Jetty Edge sample has a presumptive Faecal Enterococci result recorded as >100 and not a definitive result. However, taking into consideration previous results and the results for the Coliforms and E.coli, this sample has been deemed as 'Good'.

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

Yours sincerely



**Debi Gill**  
**Environmental Field Team Leader**  
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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: 20/08/21 Date Reported: 23/08/21

Client Ref: 184308R16962  
 Report ID: BBR00016139/v1

Unit	cfu/100ml	cfu/100ml	cfu/100ml
Method No	ENV/210	ENV/208	ENV/226
Level of Detection	1 cfu/100ml	1 cfu/100ml	1 cfu/100ml
Accreditation	UKAS	UKAS	None
Test	Confirmed Coliforms	Confirmed E. coli	Presumptive Faecal Enterococci
<b>Socotec Ref: BBR00016139-1</b>	<b>Client Ref: EN179033/01</b>		
Site: Manvers Lake	Sampled: 19/08/21		
Matrix: Water	Source: Jetty Edge	<b>33</b>	<b>30</b>
Tested: 20/08/21	Temp: N/A		<b>&gt;100</b>
<b>Socotec Ref: BBR00016139-2</b>	<b>Client Ref: EN179033/02</b>		
Site: Manvers Lake	Sampled: 19/08/21		
Matrix: Water	Source: Headland	<b>38</b>	<b>36</b>
Tested: 20/08/21	Temp: N/A		<b>18</b>

Authorised by: Katie Hutchinson  
 Position: Laboratory Technician



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

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.