

Bacteriological Analysis of Beach Water Multiple Sample Report for Official Agencies

Submitter: DIRECTOR OF ENVIRONMENTAL HEALTH
 SOUTHWESTERN PUBLIC HEALTH - ELGIN ST
 THOMAS SITE
 1230 TALBOT ST
 ST THOMAS, ON N5P1G9

Date & Time Collected*: 16-Aug-2021 11:55 am
Date & Time Received*: 17-Aug-2021 3:44 pm
Date Reported: 18-Aug-2021 10:44 am
Resample: No

*All time values are EST /EDT.

Associated Public Health Unit: Southwestern Health Unit

Beach: PORT GLASGOW

Laboratory Results

Barcode ID	Date Analyzed	<i>E. coli</i> (CFU/100 mL)	Sample Comments
011844775	17-Aug-2021	30	
011844754	17-Aug-2021	70	
011844793	17-Aug-2021	50	
011844736	17-Aug-2021	70	
011844751	17-Aug-2021	60	

Geometric Mean: 54

Authorized by: Chief, Medical Microbiology or Designate

All samples were received in good condition unless otherwise stated under comments.

The geometric mean was calculated using the formula in the Ministry of Health and Long-Term Care Operational Approaches for Recreational Water Guideline:

$$\text{Geometric Mean} = ((X_1) \cdot (X_2) \cdot (X_3) \dots (X_n))^{1/n}$$

where (X₁), (X₂), etc. are individual data points and n is the total number of data points used in the calculations.

A value of 10 is used in the calculation for results reported as <10 cfu/100 mL and a value of 1000 is used in the calculation for results reported as >1.0E3 cfu/100mL. Cancelled samples will not be included in calculation of the geometric mean. If additional samples were submitted for this beach, the submitter must use another method to determine the correct geometric mean for that sampling session.

Exponential values are reported as "En" where "n" is the exponent (e.g. E3 is X 10³).

Test method: Membrane filtration (modified from MOECC E3371 A Membrane Filtration Method for the Detection and Enumeration of Total Coliform, *Escherichia coli*, and Enterococci/Fecal Streptococci in Environmental Samples). These results relate only to the sample(s) tested.

If the reported client information does not match the information you supplied on the form please contact the PHO Customer Service Centre. Telephone: 1-877-604-4567 or 416-235-6556 or E-mail: customerservicecentre@ohpp.ca. For operating hours, see our website: www.publichealthontario.ca/labs.

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