



Gull Lake Basin Management Board
ATTN: DAVID CAIRNS / JEFF SUGGETT
Box 31, Grp 327, RR3
Beausejour MB ROE OCO

Date Received: 15-JUN-20
Report Date: 17-JUN-20 07:11 (MT)
Version: FINAL

Client Phone: 204-799-1554

Certificate of Analysis

Lab Work Order #: L2460576
Project P.O. #: NOT SUBMITTED
Job Reference: GULL LAKE, MB
C of C Numbers:
Legal Site Desc:

Hua Wo
Chemistry Laboratory Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 1329 Niakwa Road East, Unit 12, Winnipeg, MB R2J 3T4 Canada | Phone: +1 204 255 9720 | Fax: +1 204 255 9721
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
TC,EC-QT97-WP	Water	Total Coliform and E.coli by MPN QT97	APHA 9223B QT97

This analysis is carried out using procedures adapted from APHA Method 9223B "Enzyme Substrate Coliform Test". E. coli and Total Coliform are determined simultaneously. The sample is mixed with a mixture of hydrolyzable substrates and then sealed in a 97-well packet. The packet is incubated at 35.0 +/- 0.5 degrees C for 18 or 24 hours and then the number of wells exhibiting positive responses are counted. The final results are obtained by comparing the number of positive responses to a probability table.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WP	ALS ENVIRONMENTAL - WINNIPEG, MANITOBA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

*mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
mg/L - unit of concentration based on volume, parts per million.*

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L2460576

Report Date: 17-JUN-20

Page 1 of 2

Client: Gull Lake Basin Management Board
 Box 31, Grp 327, RR3
 Beausejour MB R0E 0C0

Contact: DAVID CAIRNS / JEFF SUGGETT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
TC,EC-QT97-WP								
	Water							
Batch	R5119756							
WG3342363-1	MB							
Total Coliforms			<1		MPN/100mL		1	15-JUN-20
Escherichia Coli			<1		MPN/100mL		1	15-JUN-20

Quality Control Report

Workorder: L2460576

Report Date: 17-JUN-20

Page 2 of 2

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



12 - 1329 Niakwa Rd. E.
Winnipeg, Manitoba R2J 3T4
Tel: (204) 255-9720
Fax: (204) 255-9721
Toll Free: 1 800 607 7555



L2460576-COFC

custody / Analytical Request Form

FOR LABORATORY USE ONLY (SHADED)

Sample Condition Upon Receipt: ACCEPTABLE NON ACCEPTABLE
 Frozen Cold Ambient Broken Leakage Incorrect Sample Container
COMMENT: an

ORDER NO: _____
B NO.: 0570
DATE RECEIVED: 15 June
TIME RECEIVED: 10:15
BY: an TEMP: 23.9

Date Sampled: June 15/20 Time: 07:30 A.M. P.M.

Date Required: _____

Location: GOLL Lake MB
(Town, Community, City)

Submitter's Name Printed: David Cairns

Sample Submitted By: _____

Community Code Number: _____

Rural Municipality/LGC/UVD: _____

SAMPLE TYPE

- DRINKING WATER**
- Untreated Well
 - Treated Well
 - Treated Municipal
 - Non-Treated Municipal
 - Water-Surface-Raw
 - Water-Surface-Treated
- PURPOSE OF TEST**
- Private Real Estate Water Main

PLEASE PRINT & PRESS FIRMLY

- NON-DRINKING WATER**
- Sewage/Waste Water
 - Lake/River
 - Swimming Pool
 - Whirl Pool
 - Other: _____

NOTES & CONDITIONS

1. Quote number **MUST BE** provided to insure proper pricing.
2. Failure to properly complete all portions of this form may delay analysis.
3. ALS's liability limited to cost of analysis.

SERVICE REQUESTED

- REGULAR PRIORITY EMERGENCY SAME DAY
(50% SURCHARGE) (100% SURCHARGE) (200% SURCHARGE)

LAB NUMBER	SAMPLE IDENTIFICATION	ALS CUSTOMER #:	QUOTE #:
		REPORT TO BE SENT TO	
		NAME: <u>David Cairns</u>	
		COMPANY: <u>GLBMB</u>	
		ADDRESS: <u>Box 31 9th P 327 RRS</u>	
		CITY/TOWN: <u>Bowsetown</u> / PROV.: <u>MB</u>	
		POSTAL CODE: <u>R0L 0C0</u>	
		PHONE: <u>204-229-3798</u>	
		BY: MAIL <input type="checkbox"/> FAX <input type="checkbox"/>	
		E-MAIL <input checked="" type="checkbox"/> <u>glbmb16@gmail.com</u> (EMAIL ADDRESS)	
		CC	
		NAME:	
		ADDRESS:	
		CITY/TOWN: _____ / PROV.:	
		POSTAL CODE:	
		PHONE:	
		BY: MAIL <input type="checkbox"/> FAX <input type="checkbox"/>	
		E-MAIL <input type="checkbox"/> _____ (EMAIL ADDRESS)	

Analyses required _____

also sent 500ml routine AM

BILLING ADDRESS SAME AS REPORT TO

NAME: _____
COMPANY: _____
ADDRESS: _____
CITY/TOWN: _____ / PROV.: _____
POSTAL CODE: _____

PAYMENT PARTICULARS (CASH NOT ACCEPTED)

INVOICE NEEDED / CLIENT'S P.O. NO.
 INTERAC
 CHEQUE
 VISA
 MASTERCARD

Subtotal \$ _____
G.S.T. \$ _____
Total \$ _____

* OUR POLICY IS NOT TO ACCEPT SAMPLES FROM THE PRIVATE CITIZEN WITHOUT PREPAYMENT

SAMPLING INSTRUCTIONS ON REVERSE SIDE
ALS ENVIRONMENTAL
12 - 1329 Niakwa Rd. E., Winnipeg, MB Canada R2J 3T4
Phone: +1 204 255 9720 Fax: +1 204 255 9721 www.alsglobal.com
A Campbell Brothers Limited Company

SUBMITTER COPY

ENTERED IN LIMS BY: _____