



CASH CLIENTS - TBA

Date Received: 08-SEP-15
Report Date: 10-SEP-15 08:22 (MT)
Version: FINAL

Certificate of Analysis

Lab Work Order #: L1668973
Project P.O. #: Credit Card
Job Reference: PRELATE LAKE - WATER TESTING
C of C Numbers:
Legal Site Desc:

Brandon Trudell
Account Manager

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CRITERIA REPORT

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PRELATE LAKE - WATER TESTING

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Criteria Specific Limits	Analyzed	Batch
L1668973-1 CREEK FORTUNE LAKE Sampled By: CLIENT on 05-SEP-15 @ 15:08 Matrix: RAW WATER Individual Analytes Mercury (Hg)-Total	<0.0000050		0.000005 0	mg/L	0.001 ON-DWSTANDARD	09-SEP-15	R3262946
L1668973-2 CREEK PRELATE SIDE Sampled By: CLIENT on 05-SEP-15 @ 15:28 Matrix: RAW WATER Individual Analytes Mercury (Hg)-Total	<0.0000050		0.000005 0	mg/L	0.001 ON-DWSTANDARD	09-SEP-15	R3262946
L1668973-3 NE BAY CAMP LAKE Sampled By: CLIENT on 05-SEP-15 @ 15:42 Matrix: RAW WATER Individual Analytes Mercury (Hg)-Total	<0.0000050		0.000005 0	mg/L	0.001 ON-DWSTANDARD	09-SEP-15	R3262946
L1668973-4 MIDDLE LK - BEACH Sampled By: CLIENT on 05-SEP-15 @ 15:52 Matrix: RAW WATER Individual Analytes Mercury (Hg)-Total	<0.0000050		0.000005 0	mg/L	0.001 ON-DWSTANDARD	09-SEP-15	R3262946
L1668973-5 MIDDLE LK - CENTRE Sampled By: CLIENT on 05-SEP-15 @ 15:59 Matrix: RAW WATER Individual Analytes Mercury (Hg)-Total	<0.0000050		0.000005 0	mg/L	0.001 ON-DWSTANDARD	09-SEP-15	R3262946

* Detection Limit for result exceeds Criteria Specific Limit. Assessment against Criteria Limit cannot be made.

** Analytical result for this parameter exceeds Criteria Specific Limit listed on this report.

Reference Information

PRELATE LAKE - WATER TESTING

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Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
HG-T-CVAF-TB	Water	Total Mercury in Water by CVAFS		EPA 1631E (mod)
Water samples undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAFS.				

Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.

Chain of Custody numbers:

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	Laboratory Definition Code	Laboratory Location
TB	ALS ENVIRONMENTAL - THUNDER BAY, ONTARIO, CANADA		

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.*

Application of criteria limits is provided as is without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.



Environmental

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-T-CVAF-TB	Water							
Batch	R3262946							
WG2167060-2	LCS							
Mercury (Hg)-Total			98.4		%		80-120	09-SEP-15
WG2167060-1	MB							
Mercury (Hg)-Total			<0.000005C		mg/L		0.000005	09-SEP-15

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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.