



NICOLA LAKESHORE WATER UTILITY CO.
ATTN: kevin Rabbitt
105 - 1121 McFarlane Way
Merritt BC V1K 1B9

Date Received: 25-OCT-17
Report Date: 07-NOV-17 11:24 (MT)
Version: FINAL

Client Phone: 250-378-4206

Certificate of Analysis

Lab Work Order #: L2012996
Project P.O. #: NOT SUBMITTED
Job Reference: MONTHLY TOTAL METALS
C of C Numbers:
Legal Site Desc:

Amanda Lampreau
Supervisor

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ALS CANADA LTD Part of the ALS Group An ALS Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID	L2012996-1 water 25-OCT-17 09:00 ARSENIC PLANT TANK B TREATED				
Grouping	Analyte				
WATER					
Total Metals	Arsenic (As)-Total (mg/L)	0.00508			

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
MET-T-CCMS-VA	Water	Total Metals in Water by CRC ICPMS	EPA 200.2/6020A (mod)
Water samples are digested with nitric and hydrochloric acids, and analyzed by CRC ICPMS.			
Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.			

** 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
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

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 of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

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.

Report To		Company: Nicola Lakeshore Water Utility		Report Format / Distribution		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other	
Contact:		Address: 106 1121 McFarlane Way Merritt, BC V1K 1B9		<input checked="" type="checkbox"/> PDF <input type="checkbox"/> Excel <input type="checkbox"/> Digital <input type="checkbox"/> Fax		<input checked="" type="radio"/> Regular (Standard Turnaround Times - Business Days)	
Phone:		250-378-4176 Fax: 250-378-4106		Email 1: McCampbell@emconservices.ca		<input type="radio"/> Priority (2-4 Business Days) - 50% Surcharge - Contact ALS to Confirm TAT	
Invoice To		Same as Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Email 2: Don.Vergamini@gov.bc.ca (report only)		<input type="radio"/> Emergency (1-2 Bus. Days) - 100% Surcharge - Contact ALS to Confirm TAT	
Hardcopy of Invoice with Report?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Email 3: libar@telus.net		<input type="radio"/> Same Day or Weekend Emergency - Contact ALS to Confirm TAT	
Company:		PO / A/E:		Client / Project Information		Analysis Request	
Contact:		LSD:		Job #:		Please indicate below Filtered, Preserved or both (F, P, F/P)	
Address:		Quote #:		PO / A/E:			
Phone:		ALS Contact:		LSD:			
Lab No (Lab #)		L2012996-COFC		Sampler:			
Sample		Date (dd-mmm-yy)		Time (hh:mm)		Sample Type	
Arsenic Plant Sink (Once per Month)						Metal total	
Recirculation Water (grey water Hydrant at lot) (Weekly)						Dissolved Metals	
Ground Water Disposal (Taker at Tank) (Biweekly)						Arsenic Sample only	
Arsenic Plant Tank B Treated		25-10-17		9:00 AM		Nitrogen Total & NO3	
						Total Phosphates	
						BOD	
						TSS	
						Fecal Coliforms	
						Turbidity	
						pH	
						Number of Containers	

Special Instructions / Regulations with water or land use (CCME-Freshwater Aquatic Life/BC CSR - Commercial/LAB Tier 1 - Natural, etc) / Hazardous Details

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as provided on a separate Excel tab.

Also provided on another Excel tab are the ALS location addresses, phone numbers and sample container / preservation / holding time table for common analyses.

SHIPPING SLIP (GEN 100)

Released by: _____ Date (dd-mmm-yy): _____ Time (hh-mm): _____ Received by: *OT* Date: *25 Oct 17* Time: *12 PM* Temperature: *18 °C* Verified by: _____ Date: _____ Time: _____

GENF 18.01 Front