



VANCOUVER SCHOOL BOARD

Maintenance and Construction
1549 Clark Drive
Vancouver BC V5L 3L4

Date Received: 10-AUG-17
Report Date: 17-AUG-17 13:38 (MT)
Version: FINAL

Certificate of Analysis

Lab Work Order #: L1972960
Project P.O. #: NOT SUBMITTED
Job Reference:
C of C Numbers: 15-607910
Legal Site Desc:

Dean Watt, B.Sc.
Account Manager

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

ADDRESS: 8081 Lougheed Hwy, Suite 100, Burnaby, BC V5A 1W9 Canada | Phone: +1 604 253 4188 | Fax: +1 604 253 6700
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		L1972960-3 WATER 10-AUG-17 10:00 QEX 105A DF	L1972960-4 WATER 10-AUG-17 10:30 QEX 109 DF
Grouping	Analyte		
WATER			
Total Metals	Lead (Pb)-Total (mg/L)	0.00167	0.00111

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:

15-607910

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.

Chain of Custody (COC) / Analytical Request Form

COC Number: 15 - 607910

Page 1 of 1



L1972960-COFC

Canada Toll Free: 1 800 668 9878



Report To Contact and company name below will appear on the final report Company: VANCOUVER SCHOOL BOARD Contact: STEPHEN THOMAS Phone: 604 713 5657 Street: 1549 CLARK PR. City/Province: VANCOUVER BC Postal Code: V5L 3L4		Report Format / Distribution Select Report Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL) Quality Control (QC) Report with Report <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Compare Results to Criteria on Report - provide details below if box checked Select Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX Email 1 or Fax: Sstomas@us6.bc.ca Email 2 Email 3	
Project Information ALS Account # / Quote #: Job #: PO / AFE: LSD:		Oil and Gas Required Fields (client use) AFE/Cost Center: Major/Minor Code: Requisitioner: Location:	
ALS Lab Work Order # (lab use only)		ALS Contact: DWAIT Sampler: S. Thomas	
Sample Identification and/or Coordinates (This description will appear on the report) BAY 211 DF BAY 025 DF GRUX 105A DF		Date (dd-mm-yy) Time (hh:mm) Sample Type 10/08/17 11:05 WATER 11/11/17 11:00 " 10/08/17 10:00 "	
Drinking Water (DW) Samples ¹ (client use) <input type="checkbox"/> YES <input type="checkbox"/> NO Are samples taken from a Regulated DW System? <input type="checkbox"/> YES <input type="checkbox"/> NO Are samples for human drinking water use? <input type="checkbox"/> YES <input type="checkbox"/> NO		Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)	
SHIPMENT RELEASE (client use) Released by: [Signature] Date:		INITIAL SHIPMENT RECEPTION (lab use only) Received by: [Signature] Date:	
SHIPMENT RELEASE (client use) Released by: [Signature] Date:		FINAL SHIPMENT RECEPTION (lab use only) Received by: JC Date: Aug 10 / 17 12:47 PM	

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.