

Date: 09-OCT-19 PO No.: 1517879 WO No.: L2357712

LSD:

Project Ref: ADMIRAL SEYMOUR
Sample ID: CORR 200 RM 208 DF

Sampled By: Robin Lemay
Date Collected: 01-OCT-19
Lab Sample ID: L2357712-1
Matrix: Water

PAGE 1 of 5

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Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Total Metals Lead (Pb)-Total	0.000189		mg/L	0.005		04-OCT-19
CDWQG = Health Canada Guideline Limits updated	JUNE 2019					
* CDWQG for Nitrate+Nitrite-N is the limit for nitrate onl * Turbidity guideline based on membrane filtration. For	'l '					ise see

- * Turbidity guideline based on membrane filtration. For guidelines on conventional treatment and slow sand or diatomaceous earth filtration please see Summary Table of Guidelines for Canadian Drinking Water Quality
- A blank entry designates no known limit.
- A shaded value in the Results column exceeds CDWQG MAC and/ or Aesthetic Objective.

Approved by

Edward Ngai

Account Manager

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 A Campbell Brothers Limited Company





Date: 09-OCT-19 PO No.: 1517879 WO No.: L2357712

LSD:

Project Ref: ADMIRAL SEYMOUR
Sample ID: CORR 100 RM 101 DF

Sampled By: Robin Lemay
Date Collected: 01-OCT-19
Lab Sample ID: L2357712-2
Matrix: Water

PAGE 2 of 5

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Total Metals Lead (Pb)-Total	0.000204		mg/L	0.005		04-OCT-19
CDWQG = Health Canada Guideline Limits updated	JUNE 2019					
* CDWQG for Nitrate+Nitrite-N is the limit for nitrate only * Turbidity guideline based on membrane filtration. For						se see

- * Lurbidity guideline based on membrane filtration. For guidelines on conventional treatment and slow sand or diatomaceous earth filtration please see Summary Table of Guidelines for Canadian Drinking Water Quality
- A blank entry designates no known limit.
- A shaded value in the Results column exceeds CDWQG MAC and/ or Aesthetic Objective.

Approved by

Edward Ngai

Account Manager

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Date: 09-OCT-19 PO No.: 1517879 WO No.: L2357712

LSD:

Project Ref: ADMIRAL SEYMOUR
Sample ID: CORR 100 RM 105 DF

Sampled By: Robin Lemay

Date Collected: 01-OCT-19

Lab Sample ID: L2357712-3

Matrix: Water

PAGE 3 of 5

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Total Metals Lead (Pb)-Total	0.000231		mg/L	0.005		04-OCT-19
CDWQG = Health Canada Guideline Limits updated	JUNE 2019					
* CDM/CC for Nitrote , Nitroite Ni in the limit for mitrote and		Property of the same the section	L::::- 40//	N. D In an other state	Land and Park	

- * CDWQG for Nitrate+Nitrite-N is the limit for nitrate only. If present as Nitrate then the limit is 10mg/L < or N.D. = less than detection limit.
- * Turbidity guideline based on membrane filtration. For guidelines on conventional treatment and slow sand or diatomaceous earth filtration please see Summary Table of Guidelines for Canadian Drinking Water Quality
- A blank entry designates no known limit.
- A shaded value in the Results column exceeds CDWQG MAC and/ or Aesthetic Objective.

Approved by

Edward Ngai

Account Manager







Date: 09-OCT-19 **PO No.:** 1517879 **WO No.:** L2357712

LSD:

Project Ref: ADMIRAL SEYMOUR Sample ID: CORR 011 SSDF
Sampled By: Robin Lemay
Date Collected: 01-OCT-19
Lab Sample ID: L2357712-4

Matrix: \Mater

Vancouver BC V5L 3L4 ATTN: Stephen Thomas			Matrix: Wate	er	PAGE	4 of 5
Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Total Metals Lead (Pb)-Total	0.000355		mg/L	0.005		04-OCT-19
CDWQG = Health Canada Guideline Limits updated * CDWQG for Nitrate+Nitrite-N is the limit for nitrate only * Turbidity guideline based on membrane filtration. For Summary Table of Guidelines for Canadian Drinking Wa - A blank entry designates no known limit. - A shaded value in the Results column exceeds CDWQ	guidelines on cor iter Quality	ventional treatm	ent and slow sand			ase see
Approved by Edward Ngai	_					

Account Manager

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Guidelines & Objectives

Health Canada MAC Health Related Criteria Limits

Nitrate/Nitrite-N* Criteria limit is 10 mg/L (1.0 mg/L if present as all Nitrite-N). High concentrations may contribute to blue baby syndrome in infants.

Lead* A cumulative body poison, uncommon in naturally occurring hard waters.

Fluoride* Present in fluoridated water supplies at 0.8 mg/L to reduce dental caries. Elevated levels causes fluorosis (mottling of teeth).

Total Coliforms* Criteria is 0 CFU/100mL. Adverse health effects.

E. Coli* Criteria is 0 CFU/100 mL. Certain E. Coli bacteria can be life threatening.

Manganese* Criteria limit is 0.12 mg/L. Possible neurological effects in infants.

*Health Canada Canadian Drinking Water Quality Guidelines (MAC limit)

Aesthetic Objective Concentration Levels

Alkalinity Acid neutralizing capacity. Usually a measure of carbonate and bicarbonates and calculated and reported as calcium carbonate.

Balance Quality control parameter ratioing cations to anions
Bicarbonate See Alkalinity. Report as the anion HCO3-1
Carbonate See Alkalinity. Reported at the anion CO3-2

Calcium See Hardness. Common major cation of water chemistry.

Chloride Common major anion of water chemistry.

Conductance Physical test measuring water salinity (dissolved ions or solids)

Hardness Classical measure or capacity of water to precipitate soap (chiefly calcium and magnesium ions). Causes scaling tendency in

water if carbonates/bicarbonates are present (if >200 mg/L). For drinking water purposes waters with results <200 mg/L are considered acceptable, results >200 mg/L are considered poor but can be tolerated. Results >500 mg/L are unacceptable.

Hydroxide See alkalinity

Magnesium See hardness. Common major cation of water chemistry. Elevated levels (>125 mg/L) may exert a cathartic or diuretic action.

pH Measure of water acidity/alkalinity. Normal range is 7.0-8.5.

Potassium Common major cation of water chemistry.

Sodium Common major cation of water chemistry. Measure of salinity (saltiness).

Sulphate Common major anion of water chemistry. Elevated levels may exert a cathartic or diuretic action.

Total Dissolved Solids A measure of water salinity.

Iron Causes staining to laundry and porcelain and astringent taste. Oxidizes to red-brown precipitate on exposure to air.

Heterotrophic

Plate Count Criteria is 500 cfu/mL Measure of heterotrophic bacteria present.

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.



Chain of Custody (COC) / Analytical Request Form

12357712-COFC

COC Number: 17 - 762155

Canada Toli Free: 1 800 668 9878

www.ałsglobal.com Report To Contact and company name below will appear on the final report Report Forma -aerect Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply) Company: Vancouver School Select Report Format: PDF EXCEL | EDD (DIGITAL) Regular [R] Standard TAT If received by 3 pm + husiness days - no surcharges apply Stephen Thomas Contact Quality Control (QC) Report with Report 4 day [P4-20%] Business day [E - 100%] Phone Compare Results to Criteria on Report - provide details below if box checked 3 day [P3-25%] Same Day, Weekend or Statutory holiday [E2 -200% PEMAIL | MAIL T FAX Company address below will appear on the final report Select Distribution: (Laboratory opening fees may apply) 1 2 day [P2-50%] 1549 Clark AUR Dr Email 1 or Fax sythomas@ysb.bi.ca Street: Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm Email 2 rlemay eusb. bc.ca City/Province: Vancou rex For tests that can not be performed according to the service level selected, you will be contacted. Postal Code: Analysis Request Invoice To Same as Report To YES [] NO. Invoice Distribution Indicate Filtered (F). Preserved (P) or Filtered and Preserved (F(P) below ON HOLD CONTAINERS Select Invoice Distribution: SC EMAIL MAIL FAX Copy of Invaice with Report YES NO Email 1 or Fax Sythomase us b. bc.ca Company: rlenave usb. bc.ca-Contact: Project Information ALS Account # / Quote # AFE/Cost Center Malor/Minor Code: Routing Code: Seymour **AMPLES** PO / AFE: P Requisitioner: LSD: ocation: VUMBER Sampler: んらいへ ALS Lab Work Order # (lab use only): ALS Contact: Sample Identification and/or Coordinates Date ALS Sample # Sample Type (lab use only) (This description will appear on the report) (dd-mmm-vv) (hh:mm) Cocr 200 208 COCK 100 En 101 100 Rm 105 600 SAMPLE CONDITION AS RECEIVED (lab use only) Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below Drinking Water (DW) Samples1 (client use) (electronic COC only) Frozen П SIF Observations Νo Are samples taken from a Regulated DW System? Νo YES NO No preservatives added Cooling Initiated | | | | Are samples for human consumption/ use? INITIAL COOLER TEMPERATURES °C FINAL COOLER TEMPERATURES °C I I YES I I NO SHIPMENT RELEASE (client use) FINAL SHIPMENT RECEPTION (lab use only) INITIAL SHIPMENT RECEPTION (lab use only) Released by: Time: Received by: Date: Time: Received by: 112 Date: 10

WHITE - LABORATORY COPY

YELLOW - CLIENT COPY

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION