

VANCOUVER SCHOOL BOARD Maintenance and Construction 1549 Clark Drive Vancouver BC V5L 3L4

Date: 01-SEP-17 PO No.: 0000132962 WO No.: L1982850

LSD:

Project Ref:

Sample ID: FRAS 134 DF

Fountain no longer in service

Sampled By: Date Collected: 29-AUG-17

Lab Sample ID: L1982850-7

Matrix: water

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Total Metals Lead (Pb)-Total	0.0170		mg/L	0.01		31-AUG-1
DWQG = Health Canada Guideline Limits update	ted DECEMBER	2015				
CDWQG for Nitrate+Nitrite-N is the limit for nitrate Turbidity guideline based on membrane filtration. ummary Table of Guidelines for Canadian Drinking A blank entry designates no known limit. A shaded value in the Results column exceeds CD	For guidelines on co g Water Quality	nventional treatm	ent and slow sar	r N.D. = less than det d or diatomaceous ea	ection limit. Irth filtration ple	ease see
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VANCOUVER SCHOOL BOARD Maintenance and Construction 1549 Clark Drive Vancouver BC V5L 3L4

Date: 01-SEP-17 PO No.: 0000132962 WO No.: L1982850

LSD:

Project Ref:

Sample ID: FRAS 128 SS DF

Fountain no longer in service

Sampled By:

Date Collected: 29-AUG-17 **Lab Sample ID:** L1982850-8

Matrix: water

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Total Metals Lead (Pb)-Total	0.00233		mg/L	0.01		31-AUG-1
DWQG = Health Canada Guideline Limits updated	DECEMBER	2015				
CDWQG for Nitrate+Nitrite-N is the limit for nitrate on Turbidity guideline based on membrane filtration. For ummary Table of Guidelines for Canadian Drinking W A blank entry designates no known limit. A shaded value in the Results column exceeds CDWC	ly. If present as It guidelines on co later Quality	nventional treatm	ent and slow sand	N.D. = less than de or diatomaceous e	tection limit. arth filtration ple	ase see
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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.

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

Fluoride* Total Coliforms*

Lead*

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

Criteria is 0 CFU/100mL. Adverse health effects.

E. Coli*

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

*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.

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

Common major cation of water chemistry. Potassium

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

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

Total Dissolved Solids A measure of water salinity.

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

Manganese Elevated levels may cause staining of laundry and porcelain.

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.