

VANCOUVER SCHOOL BOARD Maintenance and Construction 1549 Clark Drive Vancouver BC V5L 3L4 Date: 31-AUG-17 PO No.: L1981288 LSD: Project Ref: Sample ID: MACC 131-5SDF Sampled By: Date Collected: 25-AUG-17 Lab Sample ID: L1981288-21 Matrix: WATER

Units of CDWQG Aesthetic Date **Test Description** Result Qualifier MAC Objective Analyzed Measure **Total Metals** Lead (Pb)-Total 0.00344 29-AUG-17 mg/L 0.01 **DECEMBER 2015** CDWQG = Health Canada Guideline Limits updated * 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. Melem Approved by Heather McKenzie Account Manager

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

	31-AUG-17			
PO No.: WO No.:	L1981288			
LSD:				
Project Ref:	MACC 119 FGDE	Fountain no		
Sample ID:		longer in service		
Sampled By:				
Date Collected:	25-AUG-17			
Lab Sample ID:	L1981288-23			
Matrix:	WATER			

Test Description	Result	Qualifier	Units of Measure	CDWQG MAC	Aesthetic Objective	Date Analyzed
Total Metals Lead (Pb)-Total	0.0237		mg/L	0.01		29-AUG-17
CDWQG = Health Canada Guideline Limits updated	DECEMBER	and a name				
 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 	uidelines on cor ter Quality	nventional treatm	ent and slow sand	N.D. = less than de or diatomaceous e	tection limit. arth filtration ple	ease see
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Approved by <u>Huckenyi</u> Heather McKenzie Account Manager			, li			
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Guidelines & Objectives

Health Canada MAC Health Related Criteria Limits Nitrate/Nitrite-N* Lead* Fluoride* Fluoride* Total Coliforms* 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.			
рН	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.			
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.