



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2H0 Phone: 705-652-2000 FAX: 705-652-6365

21-October-2014

OCWA-Trent Valley (Quinte Mohawk School)

Attn : James Taylor

Date Rec. : 07 October 2014 LR Report: CA17081-OCT14

Box 20157, 131 St. Paul St. Belleville, ON K8N 5V1,

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CERTIFICATE OF ANALYSIS Final Report

Table with 10 columns: Analysis, 1: Analysis Start Date, 2: Analysis Start Time, 3: Analysis Approval Date, 4: Analysis Approval Time, 5: MAC Half, 6: MAC, 7: AO/OG, 8: MDL, 9: NR/TW QMS Treated Water, 10: NR/DW QMS Staff Room Tap. Rows include parameters like Temperature, Chlorine, pH, Alkalinity, Conductivity, etc.

Total and/or Free Residual Chlorine was not analyzed by SGS Environmental Services. MAC - Maximum Acceptable Concentration Half MAC - Half of the Maximum Acceptable Concentration AO/OG - Aesthetic Objective / Operational Guideline MDL - SGS Method Detection Limit *Sodium > 20mg/L is an indicator of adverse water quality. Sodium > 20mg/L is only reportable every 57 months as per applicable drinking water regulations.

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Project : PO#017018

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Method Descriptions

	Parameter	Unit	Description	SGS Method Code
1	Alkalinity	mg/L as CaCO3	Alkalinity by Titration	ME-CA-[ENV]EWL-LAK-AN-006
2	Aluminum	ug/L	Aluminum by ICP-OES drinking water	ME-CA-[ENV]SPE-LAK-AN-003
3	Ammonia+Ammonium (N)	mg/L	NH3+NH4 by Skalar - drinking water to MDL	ME-CA-[ENV]SFA-LAK-AN-007
4	Bromodichloromethane	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
5	Bromoform	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
6	Calcium	mg/L	Calcium by ICP-OES drinking water	ME-CA-[ENV]SPE-LAK-AN-003
7	Chloride	mg/L	Chloride by Dionex - solution	ME-CA-[ENV]IC-LAK-AN-001
8	Chloroform	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
9	Colour	TCU	True Colour by colourmetric method	ME-CA-[ENV]EWL-LAK-AN-002
10	Conductivity	µS/cm	Conductivity by Conductivity Meter	ME-CA-[ENV]EWL-LAK-AN-006
11	Dibromochloromethane	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
12	Fluoride	mg/L	Fluoride by specific ion electrode	ME-CA-[ENV]EWL-LAK-AN-014
13	Hardness	mg/L as CaCO3	Hardness (CaCO3) by ICP	ME-CA-[ENV]SPE-LAK-AN-003
14	Hydrogen Sulphide	mg/L	H2S calculation form Sulphide	ME-CA-ENVFSA-LAK-AN-008
15	Iron	ug/L	Iron by ICP-OES drinking water	ME-CA-[ENV]SPE-LAK-AN-003
16	Lead	ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
17	Magnesium	mg/L	Magnesium by ICP-OES drinking water	ME-CA-[ENV]SPE-LAK-AN-003
18	Manganese	ug/L	Manganese by ICP-OES drinking water	ME-CA-[ENV]SPE-LAK-AN-003
19	Nitrate (as N)	mg/L	Nitrate by Dionex - solution	ME-CA-[ENV]IC-LAK-AN-001
20	Nitrate + Nitrite (as N)	mg/L	Total Nitrates by Dionex - solution	ME-CA-[ENV]IC-LAK-AN-001
21	Nitrite (as N)	mg/L	Nitrite by Dionex - solution	ME-CA-[ENV]IC-LAK-AN-001
22	pH	no unit	pH - solution	ME-CA-[ENV]EWL-LAK-AN-001
23	Sodium	mg/L	Sodium by ICP-OES drinking water	ME-CA-[ENV]SPE-LAK-AN-003
24	Sulphate	mg/L	Sulphate by Dionex - solution	ME-CA-[ENV]IC-LAK-AN-001
25	Sulphide	mg/L	Sulphide by Skalar	ME-CA-ENVFSA-LAK-AN-008
26	Trihalomethanes (total)	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
27	Turbidity	NTU	Turbidity - APHA.AWWA.WPCF 18th 2130B	ME-CA-[ENV]EWL-LAK-AN-003


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Environmental Services, Analytical