



SGS Canada Inc.

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

Works #: 1156

Project : PO#017018

July-15-13

OCWA-Trent Valley (Quinte Mohawk School)

Attn : James Taylor

Date Rec. : 10 July 2013

LR Report: CA12203-JUL13

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

Copy: #1

Phone: 613-962-5454
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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: MAC	6: Half MAC	7: AO/OG	8: MDL	9: NR/TW-QMS: Treated Water	10: 1ec6a NR/DW-QMS Staff Room Tap
Sample Date & Time									08-Jul-13 10:30	08-Jul-13 10:30
Temperature Upon Receipt [°C]	---	---	--	--	--	---	--	---	13.0	13.0
Free Chlorine [mg/L]	---	---	--	--	--	---	--	---	1.11	1.13
pH [no unit]	11-Jul-13	08:29	12-Jul-13	10:54	--	---	6.5-8.5	0.05	8.03	8.01
Alkalinity [mg/L as CaCO3]	11-Jul-13	08:29	12-Jul-13	10:54	--	---	30-500	2	318	321
Conductivity [µS/cm]	11-Jul-13	08:29	12-Jul-13	10:54	---	---	---	2	892	895
Colour [TCU]	11-Jul-13	07:36	11-Jul-13	13:46	--	---	5	3	3 <MDL	3 <MDL
Turbidity [NTU]	10-Jul-13	09:16	11-Jul-13	07:56	1	---	5	0.10	0.16	0.15
Ammonia+Ammonium (N) [mg/L]	10-Jul-13	20:00	11-Jul-13	15:37	--	---	--	0.04	0.04 <MDL	0.04 <MDL
Hydrogen Sulphide [mg/L]	11-Jul-13	09:53	11-Jul-13	15:37	--	---	--	0.006	0.006 <MDL	0.006 <MDL
Sulphide [mg/L]	11-Jul-13	09:53	11-Jul-13	13:49	--	---	0.05	0.006	0.006 <MDL	0.006 <MDL
Chloride [mg/L]	11-Jul-13	10:27	12-Jul-13	09:31	--	---	250	0.04	28	27
Fluoride [mg/L]	11-Jul-13	11:26	11-Jul-13	13:43	1.5	---	--	0.06	0.22	0.22
Sulphate [mg/L]	11-Jul-13	10:27	12-Jul-13	09:31	--	---	500	0.04	130	110
Nitrite (as N) [mg/L]	11-Jul-13	00:24	11-Jul-13	16:08	1	---	--	0.003	0.003 <MDL	0.003 <MDL
Nitrate (as N) [mg/L]	11-Jul-13	00:24	11-Jul-13	16:08	10	---	--	0.006	2.16	2.16
Nitrate + Nitrite (as N) [mg/L]	11-Jul-13	00:24	11-Jul-13	16:08	10	---	--	0.006	2.16	2.16
Hardness [mg/L as CaCO3]	11-Jul-13	13:11	12-Jul-13	09:37	--	---	80-100	0.05	444	432
Aluminum [ug/L]	11-Jul-13	13:11	12-Jul-13	09:37	--	---	100	10	20	10 <MDL
Calcium [mg/L]	11-Jul-13	13:11	12-Jul-13	09:37	---	---	---	0.02	114	111
Iron [ug/L]	11-Jul-13	13:11	12-Jul-13	09:37	--	---	300	3	3 <MDL	3 <MDL
Sodium [mg/L]	11-Jul-13	13:11	12-Jul-13	09:37	20*	---	200	0.01	24.2	23.4
Magnesium [mg/L]	11-Jul-13	13:11	12-Jul-13	09:38	---	---	---	0.001	38.4	37.3
Manganese [ug/L]	11-Jul-13	13:11	12-Jul-13	09:38	--	---	50	0.2	1.8	1.6
Lead [ug/L]	11-Jul-13	14:10	12-Jul-13	13:32	10	5	--	0.02	0.31	0.39
Trihalomethanes (total) [ug/L]	11-Jul-13	16:03	15-Jul-13	08:52	100	50	--	0.37	7.1	7.2
Bromodichloromethane [ug/L]	11-Jul-13	16:03	15-Jul-13	08:52	--	---	--	0.26	0.95	1.0
Bromoform [ug/L]	11-Jul-13	16:03	15-Jul-13	08:52	--	---	--	0.34	2.9	2.8
Chloroform [ug/L]	11-Jul-13	16:03	15-Jul-13	08:52	--	---	--	0.29	0.35	0.35
Dibromochloromethane [ug/L]	11-Jul-13	16:03	15-Jul-13	08:52	--	---	--	0.37	2.9	3.0

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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.

Note: Hydrogen Sulphide (H₂S) results(s) reported below reporting limit based on corresponding Sulphide analysis.

Carrie Greenlaw

Project Specialist

Environmental Services, Analytical