



SGS Canada Inc.

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

Project : PO#017018

January-15-13

OCWA-Trent Valley (Quinte Mohawk School)

Attn : Steve Arnold

Date Rec. : 08 January 2013
LR Report: CA16333-JAN13

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									07-Jan-13 10:23	07-Jan-13 10:54
Temperature Upon Receipt [°C]	---	---	---	---	---	---	---	---	10.0	10.0
Free Chlorine [mg/L]	---	---	---	---	---	---	---	---	1.25	1.34
pH [no unit]	09-Jan-13	08:58	10-Jan-13	14:38	--	---	6.5-8.5	0.05	7.92	7.88
Alkalinity [mg/L as CaCO3]	09-Jan-13	08:58	10-Jan-13	14:38	--	---	30-500	2	320	317
Conductivity [µS/cm]	09-Jan-13	08:58	10-Jan-13	14:38	---	---	---	2	801	793
Colour [TCU]	09-Jan-13	10:12	10-Jan-13	11:48	--	---	5	3	3 <MDL	3 <MDL
Turbidity [NTU]	08-Jan-13	16:22	09-Jan-13	07:55	1	0.5	5	0.10	0.23	0.35
Ammonia+Ammonium (N) [mg/L]	08-Jan-13	21:00	09-Jan-13	08:23	--	---	--	0.04	0.07	0.06
Hydrogen Sulphide [mg/L]	09-Jan-13	07:29	09-Jan-13	10:09	---	---	0.05	0.006	0.006 <MDL	0.006 <MDL
Sulphide [mg/L]	09-Jan-13	07:29	09-Jan-13	10:09	---	---	0.05	0.006	0.006 <MDL	0.006 <MDL
Chloride [mg/L]	08-Jan-13	22:24	09-Jan-13	17:55	--	---	250	0.03	20	19
Fluoride [mg/L]	09-Jan-13	15:20	10-Jan-13	14:10	1.5	0.75	--	--	0.24	0.25
Nitrite (as N) [mg/L]	08-Jan-13	17:50	11-Jan-13	17:21	1	0.5	---	0.005	0.005 <MDL	0.005 <MDL
Nitrate (as N) [mg/L]	08-Jan-13	17:50	11-Jan-13	17:21	10	5	---	0.013	2.13	2.14
Nitrate + Nitrite (as N) [mg/L]	08-Jan-13	17:50	11-Jan-13	17:21	10	5	---	0.013	2.13	2.14
Sulphate [mg/L]	08-Jan-13	22:24	09-Jan-13	17:55	--	---	500	0.06	81	82
Hardness [mg/L as CaCO3]	10-Jan-13	13:36	11-Jan-13	09:39	--	---	80-100	0.0	382	448
Aluminum [µg/L]	10-Jan-13	13:36	11-Jan-13	09:39	--	---	100	10	10 <MDL	10 <MDL
Calcium [mg/L]	10-Jan-13	13:36	11-Jan-13	09:39	---	---	---	0.02	97.8	115
Iron [µg/L]	10-Jan-13	13:36	11-Jan-13	09:39	--	---	300	3	3 <MDL	3 <MDL
Sodium [mg/L]	10-Jan-13	13:36	11-Jan-13	09:39	20*	---	200	0.01	16.6	19.5
Magnesium [mg/L]	10-Jan-13	13:36	11-Jan-13	09:39	---	---	---	0.001	33.4	39.1
Manganese [µg/L]	10-Jan-13	13:36	11-Jan-13	09:39	--	---	50	0	1.3	1.7
Lead [µg/L]	11-Jan-13	09:20	15-Jan-13	09:38	10	5	--	0.02	0.22	0.38
Trihalomethanes (total) [µg/L]	09-Jan-13	15:59	10-Jan-13	12:05	100	50	---	0.37	5.4	5.4
Bromodichloromethane [µg/L]	09-Jan-13	15:59	10-Jan-13	12:05	--	---	--	0.26	1.4	1.4
Bromoform [µg/L]	09-Jan-13	15:59	10-Jan-13	12:05	--	---	--	0.34	0.78	0.76
Chloroform [µg/L]	09-Jan-13	15:59	10-Jan-13	12:05	--	---	--	0.29	1.2	1.2
Dibromochloromethane [µg/L]	09-Jan-13	15:59	10-Jan-13	12:05	--	---	--	0.37	1.9	2.0

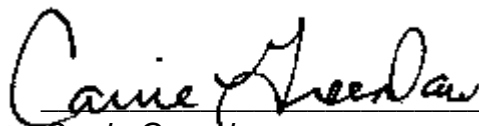
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Total and/or Free Residual Chlorine was not analyzed by SGS Environmental Services.
MAC - Maximum Acceptable Concentration
Half MAC - Half of the Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method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



Carrie Greenlaw
Carrie Greenlaw
Project Specialist
Environmental Services, Analytical