



SGS Canada Inc.

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

### OCWA-Trent Valley (Quinte Mohawk School)

Attn : Steve Arnold

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

Phone: 613-962-5454  
Fax:pdf-ID Plant

Not Reportable as per Chain of Custody

Project : PO#017018

October-16-12

Date Rec. : 10 October 2012

LR Report: CA16193-OCT12

Copy: #2

## 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									09-Oct-12 09:52	09-Oct-12 09:36
Temperature Upon Receipt [°C]	---	---	---	---	---	---	--	--	11.0	11.0
Free Chlorine [mg/L]	---	---	---	---	---	---	---	---	0.90	0.85
pH [no unit]	11-Oct-12	11:09	12-Oct-12	15:28	--	---	6.5-8.5	0.05	7.93	7.89
Alkalinity [mg/L as CaCO3]	11-Oct-12	11:09	12-Oct-12	15:28	--	---	30-500	2	314	310
Conductivity [µS/cm]	11-Oct-12	11:09	12-Oct-12	15:28	---	---	---	2	1100	1090
Colour [TCU]	10-Oct-12	19:13	11-Oct-12	12:02	--	---	5	3	3 <MDL	5
Turbidity [NTU]	10-Oct-12	16:21	11-Oct-12	12:00	1	0.5	5	0.10	0.52	0.43
Ammonia+Ammonium (N) [mg/L]	41193	0.35	11-Oct-12	13:46	--	---	--	0.04	0.04 <MDL	0.04 <MDL
Hydrogen Sulphide [mg/L]	12-Oct-12	09:55	15-Oct-12	15:29	---	---	0.05	0.006	0.006 <MDL	0.006 <MDL
Sulphide [mg/L]	12-Oct-12	09:55	15-Oct-12	15:29	---	---	0.05	0.006	0.006 <MDL	0.006 <MDL
Chloride [mg/L]	12-Oct-12	15:22	16-Oct-12	09:21	--	---	250	0.03	50	50
Fluoride [mg/L]	10-Oct-12	18:00	11-Oct-12	14:51	1.5	0.75	--	0.06	0.24	0.25
Nitrite (as N) [mg/L]	10-Oct-12	20:23	15-Oct-12	21:23	1	0.5	---	0.005	0.005 <MDL	0.005 <MDL
Nitrate (as N) [mg/L]	10-Oct-12	20:23	15-Oct-12	21:23	10	5	---	0.013	2.74	2.76
Nitrate + Nitrite (as N) [mg/L]	10-Oct-12	20:23	15-Oct-12	21:23	10	5	---	0.013	2.74	2.76
Sulphate [mg/L]	12-Oct-12	15:22	16-Oct-12	09:21	--	---	500	0.06	190	190
Hardness [mg/L as CaCO3]	11-Oct-12	12:30	15-Oct-12	09:39	--	---	80-100	0.1	536	530
Aluminum [ug/L]	11-Oct-12	12:30	15-Oct-12	09:39	--	---	100	10	20	18
Calcium [mg/L]	11-Oct-12	12:30	15-Oct-12	09:39	---	---	---	0.03	142	140
Iron [ug/L]	11-Oct-12	12:30	15-Oct-12	09:39	--	---	300	3	3	3 <MDL
Sodium [mg/L]	11-Oct-12	12:30	15-Oct-12	10:12	20*	---	200	0.01	<b>25.1 MAC</b>	<b>25.0 MAC</b>

OnLine LIMS

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:
	Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	MAC	Half MAC	AO/OG	MDL	NR/TW QMS:Treated Water	1ec6a NR/DW QMS Staff Room Tap
Magnesium [mg/L]	11-Oct-12	12:30	15-Oct-12	10:12	---	---	---	0.003	43.9	44.2
Manganese [ug/L]	11-Oct-12	12:30	15-Oct-12	10:12	--	---	50	1	2.6	1.8
Lead [ug/L]	11-Oct-12	16:04	15-Oct-12	10:12	10	5	--	0.02	0.35	0.73
Trihalomethanes (total) [ug/L]	11-Oct-12	15:22	12-Oct-12	13:26	100	50	---	0.37	11	12
Bromodichloromethane [ug/L]	11-Oct-12	15:22	12-Oct-12	13:26	--	---	--	0.26	1.0	1.2
Bromoform [ug/L]	11-Oct-12	15:22	12-Oct-12	13:26	--	---	--	0.34	5.9	6.4
Chloroform [ug/L]	11-Oct-12	15:22	12-Oct-12	13:26	--	---	--	0.29	0.29 <MDL	0.29 <MDL
Dibromochloromethane [ug/L]	11-Oct-12	15:22	12-Oct-12	13:26	--	---	--	0.37	4.2	4.7

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.

MAC - (ADVERSE) Above Maximum Acceptable Concentration



Carrie Greenlaw  
Project Specialist  
Environmental Services, Analytical