



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

OCWA-Trent Valley (Quinte Mohawk School)

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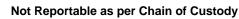
Project: PO#017018

Date Rec.: 09 April 2013 **LR Report: CA15120-APR13**

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CERTIFICATE OF ANALYSIS Final Report

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 1 Treated Water	ec6a NR/DW QMS Staff Room Tap
Sample Date & Time									08-Apr-13 11:09	08-Apr-13 11:36
Temperature Upon Receipt [°C]									13.0	13.0
Free Chlorine [mg/L]									1.33	1.22
pH [no unit]	10-Apr-13	09:21	16-Apr-13	19:59			6.5-8.5	0.05	7.90	7.83
Alkalinity [mg/L as CaCO3]	10-Apr-13	09:21	16-Apr-13	19:59			30-500	2	310	309
Conductivity [µS/cm]	10-Apr-13	09:21	16-Apr-13	19:59				2	939	934
Colour [TCU]	10-Apr-13	13:09	16-Apr-13	16:38			5	3	3 <mdl< td=""><td>3 <mdl< td=""></mdl<></td></mdl<>	3 <mdl< td=""></mdl<>
Turbidity [NTU]	09-Apr-13	15:44	11-Apr-13	08:21	1	0.5	5	0.10	0.21	0.58
Ammonia+Ammonium (N) [mg/L]	09-Apr-13	21:40	10-Apr-13	12:11				0.04	0.04 <mdl< td=""><td>0.04 <mdl< td=""></mdl<></td></mdl<>	0.04 <mdl< td=""></mdl<>
Hydrogen Sulphide [mg/L]	10-Apr-13	13:23	11-Apr-13	07:50			0.05	0.020	< 0.006	< 0.006
Sulphide [mg/L]	10-Apr-13	110:40	11-Apr-13	07:50			0.05	0.006	0.006 <mdl< td=""><td>0.006 <mdl< td=""></mdl<></td></mdl<>	0.006 <mdl< td=""></mdl<>
Chloride [mg/L]	09-Apr-13	14:00	10-Apr-13	17:34			250	0.04	33	35
Fluoride [mg/L]	10-Apr-13	08:13	12-Apr-13	10:31	1.5	0.75		0.06	0.21	0.22
Nitrite (as N) [mg/L]	10-Apr-13	06:39	11-Apr-13	15:31	1	0.5		0.003	0.003 <mdl< td=""><td>0.003 <mdl< td=""></mdl<></td></mdl<>	0.003 <mdl< td=""></mdl<>
Nitrate (as N) [mg/L]	10-Apr-13	06:39	11-Apr-13	15:31	10	5		0.006	2.14	2.14
Nitrate + Nitrite (as N) [mg/L]	10-Apr-13	06:39	11-Apr-13	15:31	10	5		0.006	2.14	2.14
Sulphate [mg/L]	09-Apr-13	14:00	10-Apr-13	17:34			500	0.04	110	130
Hardness [mg/L as CaCO3]	10-Apr-13	11:18	10-Apr-13	14:54			80-100	0.0	443	440
Aluminum [ug/L]	10-Apr-13	11:18	10-Apr-13	14:54			100	10	14	10 <mdl< td=""></mdl<>
Calcium [mg/L]	10-Apr-13	11:18	10-Apr-13	14:54				0.02	118	117
Iron [ug/L]	10-Apr-13	11:18	10-Apr-13	14:54			300	3	3 <mdl< td=""><td>3 <mdl< td=""></mdl<></td></mdl<>	3 <mdl< td=""></mdl<>
Sodium [mg/L]	10-Apr-13	11:18	10-Apr-13	14:54	20*		200	0.01	24.9	24.7
Magnesium [mg/L]	10-Apr-13	11:18	10-Apr-13	14:54				0.001	36.3	36.2
Manganese [ug/L]	10-Apr-13	11:18	10-Apr-13	14:54			50	0	1.6	1.5
Lead [ug/L]	10-Apr-13	11:10	12-Apr-13	10:55	10	5		0.02	0.15	0.30
Trihalomethanes (total) [ug/L]	10-Apr-13	16:04	12-Apr-13	11:06	100	50		0.37	4.3	7.9
Bromodichloromethane [ug/L]	10-Apr-13	16:04	12-Apr-13	11:06				0.26	0.52	0.84
Bromoform [ug/L]	10-Apr-13	16:04	12-Apr-13	11:06				0.34	1.9	4.1
Chloroform [ug/L]	10-Apr-13	16:04	12-Apr-13	11:06				0.29	0.29 <mdl< td=""><td>0.29 <mdl< td=""></mdl<></td></mdl<>	0.29 <mdl< td=""></mdl<>
Dibromochloromethane [ug/L]	10-Apr-13	16:04	12-Apr-13	11:06				0.37	1.9	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 Sul phi de (H2S) results(s) reported below reporting limit based on corresponding Sul phi de analysis.

Project Specialist

Environmental Services, Analytical