



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Project : PO#017018

November-05-12

OCWA-Trent Valley (Quinte Mohawk School)

Attn : Steve Arnold

Date Rec. : 26 October 2012
LR Report: CA18313-OCT12

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

Copy: #1

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

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: AO/OG	7: MDL	8: NR/TW QMS Treated Water
Sample Date & Time								25-Oct-12 11:15
Temperature Upon Receipt [°C]	---	---	--	---	---	---	---	17.0
Free Chlorine [mg/L]	---	---	---	---	---	---	---	1.10
Hardness [mg/L as CaCO3]	02-Nov-12	11:49	02-Nov-12	15:38	---	80-100	0.05	531
Silver (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	---	---	0.00001	< 0.00001
Aluminum (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	---	0.1	0.0002	0.0021
Arsenic (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	0.025	---	0.0002	0.0005
Barium (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	1	---	0.00001	0.139
Beryllium (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	---	---	0.00002	< 0.00002
Boron (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	5	---	0.0002	0.100
Calcium (total) [mg/L]	02-Nov-12	11:49	02-Nov-12	15:38	---	---	0.02	141
Cadmium (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	0.0005	---	0.000003	0.000010
Cobalt (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	---	---	0.000002	0.000154
Chromium (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	0.05	---	0.0005	0.0014
Copper (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	---	1	0.0005	0.0174
Iron (total) [mg/L]	02-Nov-12	11:49	02-Nov-12	15:38	---	0.3	0.003	< 0.003
Potassium (total) [mg/L]	02-Nov-12	11:49	02-Nov-12	15:38	---	---	0.006	4.06
Magnesium (total) [mg/L]	02-Nov-12	11:49	02-Nov-12	15:38	---	---	0.001	43.5
Manganese (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	---	0.05	0.00001	0.00282
Sodium (total) [mg/L]	02-Nov-12	11:49	02-Nov-12	15:38	20*	200	0.01	29.3
Lead (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	0.01	---	0.00002	0.00026
Phosphorus (total) [mg/L]	02-Nov-12	11:49	02-Nov-12	15:38	---	---	0.009	< 0.009
Antimony (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	0.006	---	0.0002	< 0.0002
Selenium (total) [mg/L]	31-Oct-12	13:42	01-Nov-12	07:53	0.01	---	0.001	0.001
Strontium (total) [mg/L]	02-Nov-12	11:49	02-Nov-12	15:38	---	---	0.0001	1.31
Zinc (total) [mg/L]	02-Nov-12	11:49	02-Nov-12	15:38	---	5	0.002	0.030
Benzene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	5	---	0.50	< 0.5
Bromomethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
Carbon tetrachloride [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	5	---	0.50	< 0.2
Chloroethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	< 5	< 5
Chloromethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	< 5	< 5
1,2-Dichlorobenzene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	200	---	0.50	< 0.5
1,3-Dichlorobenzene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
1,4-Dichlorobenzene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	5	---	0.50	< 0.5
1,1-Dichloroethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	---	< 0.5
1,2-Dichloroethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	5	---	0.50	< 0.5

Online LIMS

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Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Approval Date	4: Analysis Approval Time	5: MAC	6: AO/OG	7: MDL	8: NR/TW QMS Treated Water
1,1-Dichloroethylene (vinylidene chloride) [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	14	---	0.50	< 0.5
1,2-Dichloropropane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
trans-1,2-Dichloroethene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
cis-1,2-Dichloroethene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
cis-1,3-Dichloropropene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
trans-1,3-Dichloropropene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
Ethylbenzene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	2.4	---	0.50	< 0.5
Ethylenedibromide [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.2
Dichloromethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	50	---	0.50	< 0.5
Monochlorobenzene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	80	---	0.50	< 0.5
Styrene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
1,1,2,2-Tetrachloroethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
Tetrachloroethene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	30	---	0.50	< 0.5
Toluene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	24	0.50	< 0.5
Trichloroethylene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	5	---	0.50	< 0.5
Vinyl Chloride [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	2	---	0.50	< 0.2
Trichlorofluoromethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	< 5	< 5
1,1,1-Trichloroethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
1,1,2-Trichloroethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
Xylene (total) [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	300	0.50	< 0.5
o-xylene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
m/p-xylene [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
1,1,1,2-Tetrachloroethane [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	0.50	< 0.5
2-Chloroethylvinylether [ug/L]	30-Oct-12	15:55	01-Nov-12	08:49	---	---	5.0	< 5
Naphthalene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.5	< 0.5
Acenaphthylene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Acenaphthene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Fluorene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Phenanthrene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Anthracene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Fluoroanthene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Pyrene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Benzo(a)anthracene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Chrysene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Benzo(b)fluoranthene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Benzo(k)fluoranthene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Benzo(a)pyrene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.01	< 0.01
Dibenzo(a,h)anthracene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.1	< 0.1
Benzo(ghi)perylene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.2	< 0.2
Indeno(1,2,3-cd)pyrene [ug/L]	30-Oct-12	07:54	01-Nov-12	13:20	---	---	0.2	< 0.2

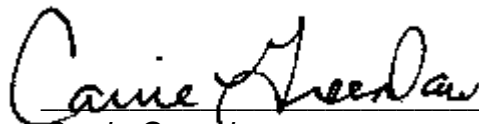
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Total and/or Free Residual Chlorine was not analyzed by SGS Environmental Services.
MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit



Carrie Greenlaw
Project Specialist
Environmental Services, Analytical