



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

November-16-12

OCWA-Trent Valley (Quinte Mohawk School)

Attn : Steve Arnold

Date Rec. : 09 November 2012  
LR Report: CA16386-NOV12

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

Copy: #1

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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: AO/OG	7: MDL	8: NR/TW QMS Treated Water
Sample Date & Time								08-Nov-12 09:06
Temperature Upon Receipt [°C]					---	---	---	6.0
Free Chlorine [mg/L]	---	---	---	---	---	---	---	1.43
Hardness [mg/L as CaCO3]	14-Nov-12	08:30	14-Nov-12	09:46	---	80-100	0.05	473
Silver (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	---	---	0.00001	< 0.00001
Aluminum (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	---	0.1	0.0002	0.0074
Arsenic (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	0.025	---	0.0002	< 0.0002
Barium (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	1	---	0.00001	0.111
Beryllium (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	---	---	0.00002	< 0.00002
Boron (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	5	---	0.0002	0.121
Calcium (total) [mg/L]	14-Nov-12	08:30	14-Nov-12	09:46	---	---	0.02	125
Cadmium (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	0.0005	---	0.000003	< 0.000003
Cobalt (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	---	---	0.000002	0.000116
Chromium (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	0.05	---	0.0005	< 0.0005
Copper (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	---	1	0.0005	0.0294
Iron (total) [mg/L]	14-Nov-12	08:30	14-Nov-12	09:46	---	0.3	0.003	0.009
Potassium (total) [mg/L]	14-Nov-12	08:30	14-Nov-12	09:46	---	---	0.006	3.75
Magnesium (total) [mg/L]	14-Nov-12	08:30	14-Nov-12	09:46	---	---	0.001	39.1
Manganese (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	---	0.05	0.00001	0.00068
Sodium (total) [mg/L]	14-Nov-12	08:30	14-Nov-12	09:46	20*	200	0.01	25.7
Lead (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	0.01	---	0.00002	0.00034
Phosphorus (total) [mg/L]	14-Nov-12	08:30	14-Nov-12	09:46	---	---	0.009	< 0.009
Antimony (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	0.006	---	0.0002	< 0.0002
Selenium (total) [mg/L]	12-Nov-12	17:14	14-Nov-12	13:56	0.01	---	0.001	0.002
Strontium (total) [mg/L]	14-Nov-12	08:30	14-Nov-12	09:46	---	---	0.0001	1.14
Zinc (total) [mg/L]	14-Nov-12	08:30	14-Nov-12	09:46	---	5	0.002	0.026
Benzene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	5	---	0.5	< 0.5
Bromomethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
Carbon tetrachloride [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	5	---	0.2	< 0.2
Chloroethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	< 5	< 5
Chloromethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	< 5	< 5
1,2-Dichlorobenzene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	200	---	0.5	< 0.5
1,3-Dichlorobenzene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
1,4-Dichlorobenzene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	5	---	0.5	< 0.5
1,1-Dichloroethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	---	< 0.5
1,2-Dichloroethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	5	---	0.5	< 0.5

Online LIMS

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1,1-Dichloroethylene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	14	---	0.5	< 0.5
1,2-Dichloropropane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
trans-1,2-Dichloroethene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
cis-1,2-Dichloroethene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
cis-1,3-Dichloropropene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
trans-1,3-Dichloropropene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
Ethylbenzene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	2.4	---	0.5	< 0.5
Ethylenedibromide [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.2	< 0.2
Dichloromethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	50	---	0.5	< 0.5
Monochlorobenzene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	80	---	0.5	< 0.5
Styrene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
1,1,2,2-Tetrachloroethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
Tetrachloroethene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	30	---	0.5	< 0.5
Toluene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	24	0.5	< 0.5
Trichloroethylene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	5	---	0.5	< 0.5
Vinyl Chloride [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	2	---	0.2	< 0.2
Trichlorofluoromethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	< 5	< 5
1,1,1-Trichloroethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
1,1,2-Trichloroethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
Xylene (total) [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	300	0.5	< 0.5
o-xylene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
m/p-xylene [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
1,1,1,2-Tetrachloroethane [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	0.5	< 0.5
2-Chloroethylvinylether [ug/L]	15-Nov-12	16:10	16-Nov-12	12:29	---	---	5	< 5
Naphthalene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.5	< 0.5
Acenaphthylene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Acenaphthene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Fluorene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Phenanthrene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Anthracene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Fluroanthene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Pyrene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Benzo(a)anthracene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Chrysene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Benzo(b)fluoranthene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Benzo(k)fluoranthene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Benzo(a)pyrene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.01	< 0.01
Dibenzo(a,h)anthracene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.1	< 0.1
Benzo(ghi)perylene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.2	< 0.2
Indeno(1,2,3-cd)pyrene [ug/L]	13-Nov-12	08:48	15-Nov-12	15:11	---	---	0.2	< 0.2

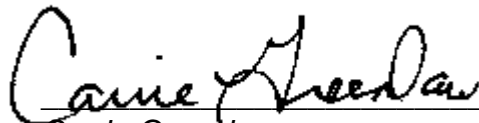
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MAC - Maximum Acceptable Concentration  
AO/OG - Aesthetic Objective / Operational Guideline  
MDL - SGS Method Detection Limit



*Carrie Greenlaw*  
Carrie Greenlaw  
Project Specialist  
Environmental Services, Analytical