



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

Works #: 1156
Project : PO#017018

21-October-2014

OCWA-Trent Valley (Quinte Mohawk School)

Attn : James Taylor

Date Rec. : 07 October 2014
LR Report: CA17158-OCT14

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

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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: 21E93 TW TW-Treated Water NR
Sample Date & Time									06-Oct-14 08:25
Temperature Upon Receipt [°C]	---	---	--	--	--	--	---	---	17.0
Free Chlorine [mg/L]	---	---	--	--	--	--	---	---	1.35
Antimony [ug/L]	20-Oct-14	14:47	21-Oct-14	09:40	6	3	---	0.02	0.02 <MDL
Arsenic [ug/L]	20-Oct-14	14:47	21-Oct-14	09:40	25	12.5	---	0.2	0.8
Barium [ug/L]	20-Oct-14	14:47	21-Oct-14	09:40	1000	500	---	0.02	110
Boron [ug/L]	20-Oct-14	14:47	21-Oct-14	09:40	5000	2500	---	0.2	106
Cadmium [ug/L]	20-Oct-14	14:47	21-Oct-14	09:40	5	2.5	---	0.003	0.006
Chromium [ug/L]	20-Oct-14	14:47	21-Oct-14	09:40	50	25	---	0.03	1.03
Mercury [ug/L]	10-Oct-14	14:05	10-Oct-14	16:15	1	0.5	---	0.01	0.01 <MDL
Selenium [ug/L]	20-Oct-14	14:47	21-Oct-14	09:41	10	5	---	1	1 <MDL
Uranium [ug/L]	20-Oct-14	14:47	21-Oct-14	09:41	20	10	---	0.002	2.67
Benzene [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	5	2.5	---	0.32	0.32 <MDL
Carbon tetrachloride [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	5	2.5	---	0.16	0.16 <MDL
1,2-Dichlorobenzene [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	200	100	3	0.41	0.41 <MDL
1,4-Dichlorobenzene [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	5	2.5	1	0.36	0.36 <MDL
1,1-Dichloroethylene (vinylidene chloride) [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	14	7	---	0.33	0.33 <MDL
1,2-Dichloroethane [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	5	2.5	---	0.35	0.35 <MDL
Dichloromethane [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	50	25	---	0.35	0.35 <MDL
Monochlorobenzene [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	80	40	30	0.30	0.3 <MDL
Tetrachloroethylene (perchloroethylene) [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	30	15	---	0.35	0.35 <MDL
Trichloroethylene [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	5	2.5	---	0.44	0.44 <MDL
Vinyl Chloride [ug/L]	10-Oct-14	16:15	14-Oct-14	12:43	2	1	---	0.17	0.17 <MDL
Diquat [ug/L]	08-Oct-14	08:18	09-Oct-14	11:18	70	35	---	1	1 <MDL
Paraquat [ug/L]	08-Oct-14	08:18	09-Oct-14	11:18	10	5	---	1	1 <MDL
Glyphosate [ug/L]	09-Oct-14	07:40	14-Oct-14	15:07	280	140	---	1	1 <MDL
Polychlorinated Biphenyls (PCBs) - Total [ug/L]	09-Oct-14	06:37	14-Oct-14	14:41	3	1.5	---	0.04	0.04 <MDL
Benzo(a)pyrene [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	0.01	0.005	---	0.004	0.004 <MDL
Alachlor [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	5	2.5	---	0.02	0.02 <MDL
Aldicarb [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	9	4.5	---	0.01	0.01 <MDL
Aldrin + Dieldrin [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	0.7	0.35	---	0.01	0.01 <MDL
Aldrin [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
Dieldrin [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
Atrazine + N-dealkylated metabolites [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	5	2.5	---	0.01	0.01 <MDL
Atrazine [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
Desethyl atrazine [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
Azinphos-methyl [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	20	10	---	0.02	0.02 <MDL
Bendiocarb [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	40	20	---	0.01	0.01 <MDL
Carbaryl [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	90	45	---	0.01	0.01 <MDL
Carbofuran [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	90	45	---	0.01	0.01 <MDL
Chlordane (total) [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	7	3.5	---	0.01	0.01 <MDL
a-chlordane [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL

Online LIMS

0000270200



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LR Report : CA17158-OCT14

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: 21E93 TW TW-Treated Water NR
g-chlordane [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
Oxychlordane [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
Chlorpyrifos [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	90	45	---	0.02	0.02 <MDL
Cyanazine [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	10	5	---	0.03	0.03 <MDL
Diazinon [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	20	10	---	0.02	0.02 <MDL
(DDT) + Metabolites [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	30	15	---	0.01	0.01 <MDL
op-DDT [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
pp-DDD [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
pp-DDE [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
pp-DDT [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
Dimethoate [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	20	10	---	0.03	0.03 <MDL
Diuron [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	150	75	---	0.03	0.03 <MDL
Heptachlor + Heptachlor Epoxide [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	3	1.5	---	0.01	0.01 <MDL
Heptachlor [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
Heptachlor epoxide [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	--	--	---	0.01	0.01 <MDL
Lindane [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	4	2	---	0.01	0.01 <MDL
Malathion [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	190	95	---	0.02	0.02 <MDL
Methoxychlor [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	900	450	---	0.01	0.01 <MDL
Metolachlor [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	50	25	---	0.01	0.01 <MDL
Metribuzin [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	80	40	---	0.02	0.02 <MDL
Parathion [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	50	25	---	0.02	0.02 <MDL
Phorate [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	2	1	---	0.01	0.01 <MDL
Prometryne [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	1	0.5	---	0.03	0.03 <MDL
Simazine [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	10	5	---	0.01	0.01 <MDL
Temephos [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	280	140	---	0.01	0.01 <MDL
Terbufos [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	1	0.5	---	0.01	0.01 <MDL
Triallate [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	230	115	---	0.01	0.01 <MDL
Trifluralin [ug/L]	09-Oct-14	07:02	14-Oct-14	13:01	45	22.5	---	0.02	0.02 <MDL
2,4-dichlorophenoxyacetic acid (2,4-D) [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	100	50	---	0.19	0.19 <MDL
2,4,5-trichlorophenoxyacetic acid (2,4,5-T) [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	280	140	20	0.22	0.22 <MDL
Bromoxynil [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	5	2.5	---	0.33	0.33 <MDL
Dicamba [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	120	60	---	0.20	0.20 <MDL
Diclofop-methyl [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	9	4.5	---	0.40	0.40 <MDL
Dinoseb [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	10	5	---	0.36	0.36 <MDL
Picloram [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	190	95	---	1	1 <MDL
2,4-dichlorophenol [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	900	450	0.3	0.15	0.15 <MDL
2,4,6-trichlorophenol [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	5	2.5	2	0.25	0.25 <MDL
2,3,4,6-tetrachlorophenol [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	100	50	1	0.14	0.14 <MDL
Pentachlorophenol [ug/L]	08-Oct-14	07:49	09-Oct-14	12:49	60	30	30	0.15	0.15 <MDL

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

Method Descriptions

	Parameter	Unit	Description	SGS Method Code
1	(DDT) + Metabolites	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
2	1,1-Dichloroethylene (vinylidene chloride)	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
3	1,2-Dichlorobenzene	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
4	1,2-Dichloroethane	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
5	1,4-Dichlorobenzene	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
6	2,3,4,6-tetrachlorophenol	ug/L	Chlorophenol by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
7	2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	ug/L	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
8	2,4,6-trichlorophenol	ug/L	Chlorophenol by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
9	2,4-dichlorophenol	ug/L	Chlorophenol by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
10	2,4-dichlorophenoxyacetic acid (2,4-D)	ug/L	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
11	a-chlordane	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018

	Parameter	Unit	Description	SGS Method Code
12	Alachlor	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
13	Aldicarb	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
14	Aldrin	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
15	Aldrin + Dieldrin	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
16	Antimony	ug/L	Antimony by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
17	Arsenic	ug/L	Arsenic by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
18	Atrazine	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
19	Atrazine + N-dealkylated metabolites	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
20	Azinphos-methyl	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
21	Barium	ug/L	Barium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
22	Bendiocarb	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
23	Benzene	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
24	Benzo(a)pyrene	ug/L	SVOC by GC/MS	ME-CA-[ENV]GC-LAK-AN-005
25	Boron	ug/L	Boron by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
26	Bromoxynil	ug/L	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
27	Cadmium	ug/L	Cadmium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
28	Carbaryl	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
29	Carbofuran	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
30	Carbon tetrachloride	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
31	Chlordane (total)	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
32	Chlorpyrifos	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
33	Chromium	ug/L	Chromium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
34	Cyanazine	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
35	Desethyl atrazine	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
36	Diazinon	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
37	Dicamba	ug/L	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
38	Dichloromethane	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
39	Diclofop-methyl	ug/L	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
40	Dieldrin	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
41	Dimethoate	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
42	Dinoseb	ug/L	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
43	Diquat	ug/L	Diquat by Dionex	ME-CA-[ENV]IC-LAK-AN-005
44	Diuron	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
45	g-chlordane	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
46	Glyphosate	ug/L	Glyphosate by Dionex	ME-CA-[ENV]IC-LAK-AN-003
47	Heptachlor	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
48	Heptachlor + Heptachlor Epoxide	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
49	Heptachlor epoxide	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
50	Lindane	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
51	Malathion	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
52	Mercury	ug/L	Hg drinking water by CVAAS	MTH-SPEC-7
53	Methoxychlor	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
54	Metolachlor	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
55	Metribuzin	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
56	Monochlorobenzene	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
57	op-DDT	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
58	Oxychlordane	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
59	Paraquat	ug/L	Paraquat by Dionex	ME-CA-[ENV]IC-LAK-AN-005
60	Parathion	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
61	Pentachlorophenol	ug/L	Chlorophenol by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
62	Phorate	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
63	Picloram	ug/L	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
64	Polychlorinated Biphenyls (PCBs) - Total	ug/L	PCB by GC ECD/MS	ME-CA-[ENV]GC-LAK-AN-001
65	pp-DDD	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
66	pp-DDE	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
67	pp-DDT	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
68	Prometryne	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
69	Selenium	ug/L	Selenium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
70	Simazine	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
71	Temephos	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
72	Terbufos	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
73	Tetrachloroethylene (perchloroethylene)	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
74	Triallate	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
75	Trichloroethylene	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004

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Works #: 1156**Project :** PO#017018**LR Report :** CA17158-OCT14

	Parameter	Unit	Description	SGS Method Code
76	Trifluralin	ug/L	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
77	Uranium	ug/L	Uranium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
78	Vinyl Chloride	ug/L	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004



Carrie Greenlaw
Carrie Greenlaw
Project Specialist
Environmental Services, Analytical