



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

10-February-2015

OCWA-Trent Valley (Quinte Mohawk School)

Attn : James Taylor

Date Rec. : 04 February 2015
LR Report: CA15013-FEB15

Box 20157, 131 St. Paul St.
 Belleville, ON
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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: MACHalf	6: MAC	7: AO/OG	8: MDL	9: 1156 TW TW-Treated Water Tap NR/DW 1156
Sample Date & Time									03-Feb-15 08:38
Temperature Upon Receipt [°C]	---	---	--	--	--	--	---	---	9.0
Field Free Chlorine [mg/L]	---	---	--	--	--	--	---	---	1.72
Antimony [ug/L]	06-Feb-15	09:20	06-Feb-15	14:12	6	3	---	0.02	0.02 <MDL
Arsenic [ug/L]	06-Feb-15	09:20	06-Feb-15	14:12	25	12.5	---	0.2	0.2 <MDL
Barium [ug/L]	06-Feb-15	09:20	06-Feb-15	14:12	1000	500	---	0.02	87.0
Boron [ug/L]	06-Feb-15	09:20	06-Feb-15	14:12	5000	2500	---	0.2	111
Cadmium [ug/L]	06-Feb-15	09:20	06-Feb-15	14:12	5	2.5	---	0.003	0.006
Chromium [ug/L]	06-Feb-15	09:20	06-Feb-15	14:12	50	25	---	0.03	0.24
Mercury [ug/L]	05-Feb-15	12:32	06-Feb-15	08:06	1	0.5	---	0.01	0.02
Selenium [ug/L]	06-Feb-15	09:20	06-Feb-15	14:12	10	5	---	1	1 <MDL
Uranium [ug/L]	06-Feb-15	09:20	06-Feb-15	14:12	20	10	---	0.002	2.26
Benzene [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	5	2.5	---	0.32	0.32 <MDL
Carbon tetrachloride [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	5	2.5	---	0.16	0.16 <MDL
1,2-Dichlorobenzene [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	200	100	3	0.41	0.41 <MDL
1,4-Dichlorobenzene [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	5	2.5	1	0.36	0.36 <MDL
1,1-Dichloroethylene (vinylidene chloride) [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	14	7	---	0.33	0.33 <MDL
1,2-Dichloroethane [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	5	2.5	---	0.35	0.35 <MDL
Dichloromethane [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	50	25	---	0.35	0.35 <MDL
Monochlorobenzene [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	80	40	30	0.30	0.3 <MDL
Tetrachloroethylene (perchloroethylene) [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	30	15	---	0.35	0.35 <MDL
Trichloroethylene [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	5	2.5	---	0.44	0.44 <MDL
Vinyl Chloride [ug/L]	04-Feb-15	15:58	10-Feb-15	10:14	2	1	---	0.17	0.17 <MDL
Diquat [ug/L]	05-Feb-15	08:51	09-Feb-15	14:53	70	35	---	1	1 <MDL
Paraquat [ug/L]	05-Feb-15	08:51	09-Feb-15	14:53	10	5	---	1	1 <MDL
Glyphosate [ug/L]	09-Feb-15	16:24	10-Feb-15	11:13	280	140	---	1	1 <MDL
Polychlorinated Biphenyls (PCBs) - Total [ug/L]	05-Feb-15	08:50	09-Feb-15	13:55	3	1.5	---	0.04	0.04 <MDL
Benzo(a)pyrene [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	0.01	0.005	---	0.004	0.004 <MDL
Alachlor [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	5	2.5	---	0.02	0.02 <MDL
Aldicarb [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	9	4.5	---	0.01	0.01 <MDL
Aldrin + Dieldrin [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	0.7	0.35	---	0.01	0.01 <MDL
Aldrin [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
Dieldrin [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
Atrazine + N-dealkylated metabolites [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	5	2.5	---	0.01	0.01 <MDL
Atrazine [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
Desethyl atrazine [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
Azinphos-methyl [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	20	10	---	0.02	0.02 <MDL
Bendiocarb [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	40	20	---	0.01	0.01 <MDL
Carbaryl [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	90	45	---	0.01	0.01 <MDL
Carbofuran [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	90	45	---	0.01	0.01 <MDL
Chlordane (total) [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	7	3.5	---	0.01	0.01 <MDL
a-chlordane [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
g-chlordane [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL

Online LIMS

0000343248

SGS Canada Inc.

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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: 1156 TW TW-Treated Water Tap NR/DW 1156
Oxychlorane [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
Chlorpyrifos [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	90	45	---	0.02	0.02 <MDL
Cyanazine [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	10	5	---	0.03	0.03 <MDL
Diazinon [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	20	10	---	0.02	0.02 <MDL
(DDT) + Metabolites [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	30	15	---	0.01	0.01 <MDL
op-DDT [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
pp-DDD [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
pp-DDE [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
pp-DDT [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
Dimethoate [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	20	10	---	0.03	0.03 <MDL
Diuron [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	150	75	---	0.03	0.03 <MDL
Heptachlor + Heptachlor Epoxide [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	3	1.5	---	0.01	0.01 <MDL
Heptachlor [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
Heptachlor epoxide [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	--	--	---	0.01	0.01 <MDL
Lindane [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	4	2	---	0.01	0.01 <MDL
Malathion [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	190	95	---	0.02	0.02 <MDL
Methoxychlor [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	900	450	---	0.01	0.01 <MDL
Metolachlor [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	50	25	---	0.01	0.01 <MDL
Metribuzin [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	80	40	---	0.02	0.02 <MDL
Parathion [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	50	25	---	0.02	0.02 <MDL
Phorate [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	2	1	---	0.01	0.01 <MDL
Prometryne [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	1	0.5	---	0.03	0.03 <MDL
Simazine [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	10	5	---	0.01	0.01 <MDL
Temephos [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	280	140	---	0.01	0.01 <MDL
Terbufos [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	1	0.5	---	0.01	0.01 <MDL
Triallate [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	230	115	---	0.01	0.01 <MDL
Trifluralin [ug/L]	06-Feb-15	08:27	09-Feb-15	13:45	45	22.5	---	0.02	0.02 <MDL
2,4-dichlorophenoxyacetic acid (2,4-D) [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	100	50	---	0.19	0.19 <MDL
2,4,5-trichlorophenoxyacetic acid (2,4,5-T) [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	280	140	20	0.22	0.22 <MDL
Bromoxynil [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	5	2.5	---	0.33	0.33 <MDL
Dicamba [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	120	60	---	0.20	0.20 <MDL
Diclofop-methyl [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	9	4.5	---	0.40	0.40 <MDL
Dinoseb [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	10	5	---	0.36	0.36 <MDL
Picloram [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	190	95	---	1	1 <MDL
2,4-dichlorophenol [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	900	450	0.3	0.15	0.15 <MDL
2,4,6-trichlorophenol [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	5	2.5	2	0.25	0.25 <MDL
2,3,4,6-tetrachlorophenol [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	100	50	1	0.2	0.20 <MDL
Pentachlorophenol [ug/L]	05-Feb-15	06:59	09-Feb-15	14:20	60	30	30	0.15	0.15 <MDL

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

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



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LR Report : CA15013-FEB15

Carrie Greenlaw
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Environmental Services, Analytical