



**SGS Canada Inc.**

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

**Not Regulated  
Works #: 1156**

**Project : PO#017018**

**18-August-2015**

**OCWA-Trent Valley (Quinte Mohawk School)**

**Attn : James Taylor**

**Date Rec. : 11 August 2015  
LR Report: CA15120-AUG15**

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: MAC	6: Half MAC	7: AO/OG	8: MDL	9: TW TW-Treated Water Tap NR/DW
Sample Date & Time									10-Aug-15 09:00
Temperature Upon Receipt [°C]	---	---	---	---	---	---	---	---	19.0
Total Chlorine [mg/L]	---	---	---	---	---	---	---	---	0.94
Free Chlorine [mg/L]	---	---	---	---	---	---	---	---	0.91
Antimony [ug/L]	12-Aug-15	12:09	14-Aug-15	10:45	6	3	---	0.02	0.04
Arsenic [ug/L]	12-Aug-15	12:09	14-Aug-15	10:45	25	12.5	---	0.2	1.4
Barium [ug/L]	12-Aug-15	12:09	14-Aug-15	10:45	1000	500	---	0.02	93.8
Boron [ug/L]	12-Aug-15	12:09	14-Aug-15	10:45	5000	2500	---	0.2	137
Cadmium [ug/L]	12-Aug-15	12:09	14-Aug-15	10:45	5	2.5	---	0.003	0.006
Chromium [ug/L]	12-Aug-15	12:09	14-Aug-15	10:45	50	25	---	0.03	0.24
Mercury [ug/L]	12-Aug-15	15:09	13-Aug-15	09:15	1	0.5	---	0.01	0.01 <MDL
Selenium [ug/L]	12-Aug-15	12:09	14-Aug-15	10:45	10	5	---	0.04	0.65
Uranium [ug/L]	12-Aug-15	12:09	14-Aug-15	10:45	20	10	---	0.002	2.74
Benzene [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	5	2.5	---	0.32	0.32 <MDL
Carbon tetrachloride [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	5	2.5	---	0.16	0.16 <MDL
1,2-Dichlorobenzene [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	200	100	3	0.41	0.41 <MDL
1,4-Dichlorobenzene [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	5	2.5	1	0.36	0.36 <MDL
1,1-Dichloroethylene (vinylidene chloride) [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	14	7	---	0.33	0.33 <MDL
1,2-Dichloroethane [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	5	2.5	---	0.35	0.35 <MDL
Dichloromethane [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	50	25	---	0.35	0.35 <MDL
Monochlorobenzene [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	80	40	30	0.30	0.3 <MDL
Tetrachloroethylene (perchloroethylene) [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	30	15	---	0.35	0.35 <MDL
Trichloroethylene [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	5	2.5	---	0.44	0.44 <MDL
Vinyl Chloride [ug/L]	11-Aug-15	16:08	18-Aug-15	14:32	2	1	---	0.17	0.17 <MDL
Diquat [ug/L]	17-Aug-15	09:42	18-Aug-15	09:11	70	35	---	1	1 <MDL
Paraquat [ug/L]	17-Aug-15	09:42	18-Aug-15	09:11	10	5	---	1	1 <MDL
Glyphosate [ug/L]	18-Aug-15	16:13	18-Aug-15	09:22	280	140	---	1	1 <MDL
Polychlorinated Biphenyls (PCBs) - Total [ug/L]	17-Aug-15	09:00	17-Aug-15	14:43	3	1.5	---	0.04	0.04 <MDL
Benzo(a)pyrene [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	0.01	0.005	---	0.004	0.004 <MDL
Alachlor [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	5	2.5	---	0.02	0.02 <MDL
Aldicarb [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	9	4.5	---	0.01	0.01 <MDL
Aldrin + Dieldrin [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	0.7	0.35	---	0.01	0.01 <MDL
Aldrin [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01 <MDL
Dieldrin [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01 <MDL
Atrazine + N-dealkylated metabolites [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	5	2.5	---	0.01	0.01 <MDL
Atrazine [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01 <MDL
Desethyl atrazine [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01 <MDL
Azinphos-methyl [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	20	10	---	< 0.05	0.05 <MDL
Bendiocarb [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	40	20	---	0.01	0.01 <MDL
Carbaryl [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	90	45	---	< 0.05	0.05 <MDL
Carbofuran [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	90	45	---	0.01	0.01 <MDL
Chlordane (total) [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	7	3.5	---	0.01	0.01 <MDL
a-chlordane [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01 <MDL
g-chlordane [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01 <MDL



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 Works #: 1156**

**Project : PO#017018**

**LR Report : CA15120-AUG15**

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: TW Water	TW-Treated Tap NR/DW
Oxychlorane [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01	<MDL
Chlorpyrifos [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	90	45	---	0.02	0.02	<MDL
Cyanazine [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	10	5	---	0.03	0.03	<MDL
Diazinon [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	20	10	---	0.02	0.02	<MDL
(DDT) + Metabolites [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	30	15	---	0.01	0.01	<MDL
op-DDT [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01	<MDL
pp-DDD [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01	<MDL
pp-DDE [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01	<MDL
pp-DDT [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01	<MDL
Dimethoate [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	20	10	---	0.03	0.03	<MDL
Diuron [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	150	75	---	0.03	0.03	<MDL
Heptachlor + Heptachlor Epoxide [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	3	1.5	---	0.01	0.01	<MDL
Heptachlor [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01	<MDL
Heptachlor epoxide [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	--	--	---	0.01	0.01	<MDL
Lindane [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	4	2	---	0.01	0.01	<MDL
Malathion [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	190	95	---	0.02	0.02	<MDL
Methoxychlor [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	900	450	---	0.01	0.01	<MDL
Metolachlor [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	50	25	---	0.01	0.01	<MDL
Metribuzin [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	80	40	---	0.02	0.02	<MDL
Parathion [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	50	25	---	0.02	0.02	<MDL
Phorate [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	2	1	---	0.01	0.01	<MDL
Prometryne [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	1	0.5	---	0.03	0.03	<MDL
Simazine [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	10	5	---	0.01	0.01	<MDL
Temephos [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	280	140	---	0.01	0.01	<MDL
Terbufos [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	1	0.5	---	0.01	0.01	<MDL
Triallate [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	230	115	---	0.01	0.01	<MDL
Trifluralin [ug/L]	12-Aug-15	07:48	14-Aug-15	09:08	45	22.5	---	0.02	0.02	<MDL
2,4-dichlorophenoxyacetic acid (2,4-D) [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	100	50	---	0.19	0.19	<MDL
2,4,5-trichlorophenoxyacetic acid (2,4,5-T) [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	280	140	20	0.22	0.22	<MDL
Bromoxynil [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	5	2.5	---	0.33	0.33	<MDL
Dicamba [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	120	60	---	0.20	0.20	<MDL
Diclofop-methyl [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	9	4.5	---	0.40	0.40	<MDL
Dinoseb [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	10	5	---	0.36	0.36	<MDL
Picloram [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	190	95	---	1	1	<MDL
2,4-dichlorophenol [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	900	450	0.3	0.15	0.15	<MDL
2,4,6-trichlorophenol [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	5	2.5	2	0.25	0.25	<MDL
2,3,4,6-tetrachlorophenol [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	100	50	1	0.20	0.20	<MDL
Pentachlorophenol [ug/L]	13-Aug-15	08:01	17-Aug-15	14:53	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
(DDT) + Metabolites	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
1,1-Dichloroethylene (vinylidene chloride)	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
1,2-Dichlorobenzene	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
1,2-Dichloroethane	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
1,4-Dichlorobenzene	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
2,3,4,6-tetrachlorophenol	Chlorophenol by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
2,4,6-trichlorophenol	Chlorophenol by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
2,4-dichlorophenol	Chlorophenol by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
2,4-dichlorophenoxyacetic acid (2,4-D)	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
a-chlordane	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Alachlor	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Aldicarb	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018

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Parameter	Description	SGS Method Code
Aldrin	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Aldrin + Dieldrin	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Antimony	Antimony by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
Arsenic	Arsenic by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
Atrazine	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Atrazine + N-dealkylated metabolites	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Azinphos-methyl	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Barium	Barium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
Bendiocarb	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Benzene	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
Benzo(a)pyrene	SVOC by GC/MS	ME-CA-[ENV]GC-LAK-AN-005
Boron	Boron by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
Bromoxynil	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
Cadmium	Cadmium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
Carbaryl	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Carbofuran	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Carbon tetrachloride	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
Chlordane (total)	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Chlorpyrifos	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Chromium	Chromium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
Cyanazine	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Desethyl atrazine	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Diazinon	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Dicamba	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
Dichloromethane	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
Diclofop-methyl	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
Dieldrin	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Dimethoate	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Dinoseb	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
Diquat	Diquat by Dionex	ME-CA-[ENV]IC-LAK-AN-005
Diuron	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
g-chlordane	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Glyphosate	Glyphosate by Dionex	ME-CA-[ENV]IC-LAK-AN-003
Heptachlor	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Heptachlor + Heptachlor Epoxide	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Heptachlor epoxide	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Lindane	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Malathion	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Mercury	Hg drinking water by CVAAS	ME-CA-[ENV]SPE-LAK-AN-004
Methoxychlor	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Metolachlor	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Metribuzin	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Monochlorobenzene	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
op-DDT	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Oxychlordane	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Paraquat	Paraquat by Dionex	ME-CA-[ENV]IC-LAK-AN-005
Parathion	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Pentachlorophenol	Chlorophenol by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
Phorate	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Picloram	Herbicides by GC/MS	ME-CA-[ENV]GC-LAK-AN-003
Polychlorinated Biphenyls (PCBs) - Total	PCB by GC ECD/MS	ME-CA-[ENV]GC-LAK-AN-001
pp-DDD	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
pp-DDE	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
pp-DDT	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Prometryne	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Selenium	Selenium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
Simazine	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Temephos	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Terbufos	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Tetrachloroethylene (perchloroethylene)	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
Triallate	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Trichloroethylene	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004
Trifluralin	Pesticides by GC/MS	ME-CA-[ENV]GC-LAK-AN-018
Uranium	Uranium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
Vinyl Chloride	Volatiles by GC/MS	ME-CA-[ENV]GC-LAK-AN-004



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**LR Report : CA15120-AUG15**

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Project Specialist  
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