



**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

17-April-2015

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

Attn : James Taylor

**Date Rec. :** 14 April 2015  
**LR Report:** CA15232-APR15

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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 TW	9: TW-Treated Water Tap NR/DW
Sample Date & Time									13-Apr-15 08:30
Temperature Upon Receipt [°C]	---	---	---	---	---	---	---	---	13.0
Antimony [ug/L]	15-Apr-15	15:50	16-Apr-15	13:42	6	3	---	0.02	0.02 <MDL
Arsenic [ug/L]	15-Apr-15	15:50	16-Apr-15	13:42	25	12.5	---	0.2	0.2 <MDL
Barium [ug/L]	15-Apr-15	15:50	16-Apr-15	13:42	1000	500	---	0.02	68.5
Boron [ug/L]	15-Apr-15	15:50	16-Apr-15	13:42	5000	2500	---	0.2	85.7
Cadmium [ug/L]	15-Apr-15	15:50	16-Apr-15	13:42	5	2.5	---	0.003	0.006
Chromium [ug/L]	15-Apr-15	15:50	16-Apr-15	13:42	50	25	---	0.03	0.30
Mercury [ug/L]	15-Apr-15	12:00	16-Apr-15	10:00	1	0.5	---	0.01	0.05
Selenium [ug/L]	15-Apr-15	15:50	16-Apr-15	13:42	10	5	---	1	1 <MDL
Uranium [ug/L]	15-Apr-15	15:50	16-Apr-15	13:42	20	10	---	0.002	2.00
Benzene [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	5	2.5	---	0.32	0.32 <MDL
Carbon tetrachloride [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	5	2.5	---	0.16	0.16 <MDL
1,2-Dichlorobenzene [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	200	100	3	0.41	0.41 <MDL
1,4-Dichlorobenzene [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	5	2.5	1	0.36	0.36 <MDL
1,1-Dichloroethylene (vinylidene chloride) [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	14	7	---	0.33	0.33 <MDL
1,2-Dichloroethane [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	5	2.5	---	0.35	0.35 <MDL
Dichloromethane [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	50	25	---	0.35	0.35 <MDL
Monochlorobenzene [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	80	40	30	0.30	0.3 <MDL
Tetrachloroethylene (perchloroethylene) [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	30	15	---	0.35	0.35 <MDL
Trichloroethylene [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	5	2.5	---	0.44	0.44 <MDL
Vinyl Chloride [ug/L]	14-Apr-15	16:22	16-Apr-15	12:10	2	1	---	0.17	0.17 <MDL
Diquat [ug/L]	14-Apr-15	09:56	15-Apr-15	15:11	70	35	---	1	1 <MDL
Paraquat [ug/L]	14-Apr-15	09:56	15-Apr-15	15:11	10	5	---	1	1 <MDL
Glyphosate [ug/L]	15-Apr-15	08:51	16-Apr-15	08:22	280	140	---	1	1 <MDL
Polychlorinated Biphenyls (PCBs) - Total [ug/]	15-Apr-15	08:53	16-Apr-15	12:39	3	1.5	---	0.04	0.04 <MDL
Benzo(a)pyrene [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	0.01	0.005	---	0.004	0.004 <MDL
Alachlor [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	5	2.5	---	0.02	0.02 <MDL
Aldicarb [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	9	4.5	---	0.01	0.01 <MDL
Aldrin + Dieldrin [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	0.7	0.35	---	0.01	0.01 <MDL
Aldrin [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
Dieldrin [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
Atrazine + N-dealkylated metabolites [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	5	2.5	---	0.01	0.01 <MDL
Atrazine [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL

Online LIMS

0000388417



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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 TW	9: TW-Treated Water Tap NR/DW
Desethyl atrazine [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
Azinphos-methyl [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	20	10	---	0.02	0.02 <MDL
Bendiocarb [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	40	20	---	0.01	0.01 <MDL
Carbaryl [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	90	45	---	0.01	0.01 <MDL
Carbofuran [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	90	45	---	0.01	0.01 <MDL
Chlordane (total) [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	7	3.5	---	0.01	0.01 <MDL
a-chlordane [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
g-chlordane [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
Oxychlordane [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
Chlorpyrifos [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	90	45	---	0.02	0.02 <MDL
Cyanazine [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	10	5	---	0.03	0.03 <MDL
Diazinon [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	20	10	---	0.02	0.02 <MDL
(DDT) + Metabolites [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	30	15	---	0.01	0.01 <MDL
op-DDT [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
pp-DDD [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
pp-DDE [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
pp-DDT [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
Dimethoate [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	20	10	---	0.03	0.03 <MDL
Diuron [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	150	75	---	0.03	0.03 <MDL
Heptachlor + Heptachlor Epoxide [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	3	1.5	---	0.01	0.01 <MDL
Heptachlor [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
Heptachlor epoxide [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	--	--	---	0.01	0.01 <MDL
Lindane [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	4	2	---	0.01	0.01 <MDL
Malathion [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	190	95	---	0.02	0.02 <MDL
Methoxychlor [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	900	450	---	0.01	0.01 <MDL
Metolachlor [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	50	25	---	0.01	0.01 <MDL
Metribuzin [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	80	40	---	0.02	0.02 <MDL
Parathion [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	50	25	---	0.02	0.02 <MDL
Phorate [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	2	1	---	0.01	0.01 <MDL
Prometryne [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	1	0.5	---	0.03	0.03 <MDL
Simazine [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	10	5	---	0.01	0.01 <MDL
Temephos [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	280	140	---	0.01	0.01 <MDL
Terbufos [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	1	0.5	---	0.01	0.01 <MDL
Triallate [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	230	115	---	0.01	0.01 <MDL
Trifluralin [ug/L]	16-Apr-15	07:52	17-Apr-15	15:41	45	22.5	---	0.02	0.02 <MDL
2,4-dichlorophenoxyacetic acid (2,4-D) [ug/L]	15-Apr-15	08:21	17-Apr-15	11:30	100	50	---	0.19	0.19 <MDL
2,4,5-trichlorophenoxyacetic acid (2,4,5-T) [ug]	15-Apr-15	08:21	17-Apr-15	11:30	280	140	20	0.22	0.22 <MDL
Bromoxynil [ug/L]	15-Apr-15	08:21	17-Apr-15	11:30	5	2.5	---	0.33	0.33 <MDL
Dicamba [ug/L]	15-Apr-15	08:21	17-Apr-15	11:30	120	60	---	0.20	0.20 <MDL
Diclofop-methyl [ug/L]	15-Apr-15	08:21	17-Apr-15	11:30	9	4.5	---	0.40	0.40 <MDL
Dinoseb [ug/L]	15-Apr-15	08:21	17-Apr-15	11:30	10	5	---	0.36	0.36 <MDL
Picloram [ug/L]	15-Apr-15	08:21	17-Apr-15	11:30	190	95	---	1	1 <MDL
2,4-dichlorophenol [ug/L]	15-Apr-15	08:21	17-Apr-15	11:30	900	450	0.3	0.15	0.15 <MDL
2,4,6-trichlorophenol [ug/L]	15-Apr-15	08:21	17-Apr-15	11:30	5	2.5	2	0.25	0.25 <MDL
2,3,4,6-tetrachlorophenol [ug/L]	15-Apr-15	08:21	17-Apr-15	11:30	100	50	1	0.2	0.20 <MDL
Pentachlorophenol [ug/L]	15-Apr-15	08:21	17-Apr-15	11:30	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

Online LIMS

0000388417

### 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
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

**SGS Canada Inc.**


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**Works #:** 1156

**Project :** PO#017018

**LR Report :** CA15232-APR15

Parameter	Description	SGS Method Code
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



*Carrie Greenlaw*  
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 Environmental Services, Analytical