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Works #: 1156
Project : PO#017018

15-July-2015

OCWA-Trent Valley (Quinte Mohawk School)

Attn : James Taylor

Date Rec. : 08 July 2015
LR Report: CA15085-JUL15

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:
	Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	MAC Half	MAC	AO/OG	MDL	TW TW-Treated Water Tap NR/DW
Sample Date & Time									07-Jul-15 09:12
Temperature Upon Receipt [°C]	---	---	---	---	---	---	---	---	16.0
Free Chlorine [mg/L]	---	---	---	---	---	---	---	---	1.35
Antimony [ug/L]	09Jul 15	12:17	10-Jul-15	16:02	6	3	---	0.02	0.06
Arsenic [ug/L]	09Jul 15	12:17	10-Jul-15	16:02	25	12.5	---	0.2	0.2 <MDL
Barium [ug/L]	09Jul 15	12:17	10-Jul-15	16:02	1000	500	---	0.02	60.5
Boron [ug/L]	09Jul 15	12:17	10-Jul-15	16:02	5000	2500	---	0.2	80.8
Cadmium [ug/L]	09Jul 15	12:17	10-Jul-15	16:02	5	2.5	---	0.003	0.003
Chromium [ug/L]	09Jul 15	12:17	10-Jul-15	16:02	50	25	---	0.03	0.35
Mercury [ug/L]	09-Jul-15	13:08	10-Jul-15	09:22	1	0.5	---	0.01	0.01 <MDL
Selenium [ug/L]	09Jul 15	12:17	10-Jul-15	16:02	10	5	---	1.00	0.77
Uranium [ug/L]	09Jul 15	12:17	10-Jul-15	16:02	20	10	---	0.002	2.21
Benzene [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	5	2.5	---	0.32	0.32 <MDL
Carbon tetrachloride [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	5	2.5	---	0.16	0.16 <MDL
1,2-Dichlorobenzene [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	200	100	3	0.41	0.41 <MDL
1,4-Dichlorobenzene [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	5	2.5	1	0.36	0.36 <MDL
1,1-Dichloroethylene (vinylidene chloride) [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	14	7	---	0.33	0.33 <MDL
1,2-Dichloroethane [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	5	2.5	---	0.35	0.35 <MDL
Dichloromethane [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	50	25	---	0.35	0.35 <MDL
Monochlorobenzene [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	80	40	30	0.30	0.3 <MDL
Tetrachloroethylene (perchloroethylene) [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	30	15	---	0.35	0.35 <MDL
Trichloroethylene [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	5	2.5	---	0.44	0.44 <MDL
Vinyl Chloride [ug/L]	09-Jul-15	16:00	13-Jul-15	10:45	2	1	---	0.17	0.17 <MDL
Diquat [ug/L]	13-Jul-15	08:27	13-Jul-15	13:21	70	35	---	1	1 <MDL
Paraquat [ug/L]	13-Jul-15	08:27	13-Jul-15	13:21	10	5	---	1	1 <MDL
Glyphosate [ug/L]	13-Jul-15	17:06	15-Jul-15	11:45	280	140	---	1	1 <MDL
Polychlorinated Biphenyls (PCBs) - Total [ug/L]	09-Jul-15	08:19	13-Jul-15	12:58	3	1.5	---	0.04	0.04 <MDL
Benzo(a)pyrene [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	0.01	0.005	---	0.004	0.004 <MDL
Alachlor [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	5	2.5	---	0.02	0.02 <MDL
Aldicarb [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	9	4.5	---	0.01	0.01 <MDL
Aldrin + Dieldrin [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	0.7	0.35	---	0.01	0.01 <MDL
Aldrin [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
Dieldrin [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
Atrazine + N-dealkylated metabolites [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	5	2.5	---	0.01	0.01 <MDL
Atrazine [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
Desethyl atrazine [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
Azinphos-methyl [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	20	10	---	< 0.05	0.05 <MDL
Bendiocarb [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	40	20	---	0.01	0.01 <MDL
Carbaryl [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	90	45	---	< 0.05	0.05 <MDL
Carbofuran [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	90	45	---	0.01	0.01 <MDL
Chlordane (total) [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	7	3.5	---	0.01	0.01 <MDL
a-chlordane [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
g-chlordane [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL

Online LIMS

0000457038

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:
	Analysis Start Date	Analysis Start Time	Analysis Approval Date	Analysis Approval Time	MAC Half	MAC	AO/OG	MDL	TW TW-Treated Water Tap NR/DW
Oxychlorane [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
Chlorpyrifos [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	90	45	---	0.02	0.02 <MDL
Cyanazine [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	10	5	---	0.03	0.03 <MDL
Diazinon [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	20	10	---	0.02	0.02 <MDL
(DDT) + Metabolites [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	30	15	---	0.01	0.01 <MDL
op-DDT [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
pp-DDD [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
pp-DDE [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
pp-DDT [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
Dimethoate [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	20	10	---	0.03	0.03 <MDL
Diuron [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	150	75	---	0.03	0.03 <MDL
Heptachlor + Heptachlor Epoxide [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	3	1.5	---	0.01	0.01 <MDL
Heptachlor [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
Heptachlor epoxide [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	--	--	---	0.01	0.01 <MDL
Lindane [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	4	2	---	0.01	0.01 <MDL
Malathion [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	190	95	---	0.02	0.02 <MDL
Methoxychlor [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	900	450	---	0.01	0.01 <MDL
Metolachlor [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	50	25	---	0.01	0.01 <MDL
Metribuzin [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	80	40	---	0.02	0.02 <MDL
Parathion [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	50	25	---	0.02	0.02 <MDL
Phorate [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	2	1	---	0.01	0.01 <MDL
Prometryne [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	1	0.5	---	0.03	0.03 <MDL
Simazine [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	10	5	---	0.01	0.01 <MDL
Temephos [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	280	140	---	0.01	0.01 <MDL
Terbufos [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	1	0.5	---	0.01	0.01 <MDL
Triallate [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	230	115	---	0.01	0.01 <MDL
Trifluralin [ug/L]	10-Jul-15	07:53	14-Jul-15	16:38	45	22.5	---	0.02	0.02 <MDL
2,4-dichlorophenoxyacetic acid (2,4-D) [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	100	50	---	0.19	0.19 <MDL
2,4,5-trichlorophenoxyacetic acid (2,4,5-T) [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	280	140	20	0.22	0.22 <MDL
Bromoxynil [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	5	2.5	---	0.33	0.33 <MDL
Dicamba [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	120	60	---	0.20	0.20 <MDL
Diclofop-methyl [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	9	4.5	---	0.40	0.40 <MDL
Dinoseb [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	10	5	---	0.36	0.36 <MDL
Picloram [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	190	95	---	1	1 <MDL
2,4-dichlorophenol [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	900	450	0.3	0.15	0.15 <MDL
2,4,6-trichlorophenol [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	5	2.5	2	0.25	0.25 <MDL
2,3,4,6-tetrachlorophenol [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	100	50	1	0.20	0.20 <MDL
Pentachlorophenol [ug/L]	09-Jul-15	07:46	14-Jul-15	16:27	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

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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