



# Monroe County Water Authority

## 2014 Water Quality Monitoring Program Summary

Parameter	EPA/NYS MCL	EPA/NYS MCLG	UNITS	Shoremont WTP Lake Ontario			Webster WTP Lake Ontario			Corfu WTP Well			Hemlock WTP Hemlock Lake			ECWA Lake Erie		
				Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014
<b>Inorganics, Metals, Physical Parameters</b>																		
Aluminum	NS	NS	ug/L	36	ND-58	4	57	29-110	4	ND		4	29	ND-66	4	146	26-350	4
Antimony	6	6	ug/L	ND		4	ND		4	ND		4	ND		4	ND		4
Arsenic	10	0	ug/L	ND		4	ND		4	ND		4	ND		4	ND		4
Barium	2	2	mg/L	0.020	0.017-0.023	4	0.021	0.020-0.022	4	0.133	0.100-0.160	4	0.017	0.016-0.020	4	0.022	0.020-0.024	4
Beryllium	4	4	ug/L	ND		4	ND		4	ND		4	ND		4	ND		4
Cadmium	5	5	ug/L	ND		4	ND		4	ND		4	ND		4	ND		4
Calcium	NS	NS	mg/L	35	33-36	4	34	33-35	4	62	48-78	4	27	25-32	4	33	32-35	4
Chromium	100	100	ug/L	ND	ND-1.4	4	ND		4	1.1	ND-4.3	4	ND		4	ND		4
Copper (Distribution System)	NS	NS	ug/L	ND		4	ND	ND-2.9	4	30	23-43	4	ND		4	ND		4
Copper (Customer Tap Samples)	AL* = 1300	1300	ug/L	73	12-320	52 (2012)	73	12-320	52 (2012)	84	3-330	20 (2012)	73	12-320	52 (2012)	84	3-330	20 (2012)
Cyanide	200	200	ug/l	ND		4	ND		4	ND		4	ND		4	ND		4
Fluoride	2.2	NA	mg/L	0.8	0.1-1.4	2165	0.7	0.1-1.2	1462	NR		NR	0.7		1079	0.7	0.1-1.0	49
Iron	300	NA	ug/L	ND		4	ND		4	ND		4	ND		4	ND		4
Lead (Distribution System)	NS	NS	ug/L	ND		4	ND		1	ND		4	ND		4	ND		4
Lead (Customer Tap Samples)	AL* = 15	0	ug/L	1.7	ND-15	52 (2012)	1.7	ND-15	52 (2012)	ND	ND-1.6	20 (2012)	1.7	ND-15	52 (2012)	ND	ND-1.6	20
Magnesium	NS	NS	mg/L	9.2	8.9-9.4	4	9.0	8.6-9.2	4	25.0	19-30	4	6.9	6.1-8.4	4	8.4		1
Manganese	300	NA	ug/L	ND		4	ND		4	11	8.9-13	4	ND		1	ND		4
Mercury	2	2	ug/L	ND		4	ND		4	ND		4	ND		4	ND		4
Nickel	100	NA	ug/L	ND		4	ND		4	ND		4	ND	ND-5.6	4	ND		4
Nitrate	10	10	mg/L	0.32	0.26-0.35	4	0.25	0.22-0.35	4	ND		4	ND	ND-0.14	4	0.16	0.1-0.26	4
Nitrite	1	1	mg/L	ND		4	ND		4	ND		4	ND		4	ND		4
Potassium	NS	NS	mg/L	1.7		1	1.5		1	1.6		1 (2013)	1.4		1	1.6		1
Selenium	50	50	ug/L	ND		4	ND		4	ND		4	ND		2	ND		4
Silica	NS	NS	mg/L	0.6	0.5-0.9	4	0.5	0.4-0.6	4	9.1	8.4-9.7	4	0.82	0.35-1.00	4	0.5	0.24-0.84	4
Silver	100	NA	ug/L	ND		4	ND		1	ND		4	ND		4	ND		4
Sodium	NS	NS	mg/L	15	14-15	4	19	16-23	4	55	26-80	4	17		1	14	12-16	3 (2013)
Sulfate	250	NA	mg/L	28	27-29	4	27	26-28	4	100		1	9.5	ND-14	4	22		1(2013)

Parameter				Shoremont WTP Lake Ontario			Webster WTP Lake Ontario			Corfu WTP Well			Hemlock WTP Hemlock Lake			ECWA Lake Erie		
	EPA/NYS MCL	EPA/NYS MCLG	UNITS	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014
Thallium	2	0.5	ug/L	ND		4	ND		4	ND		4	ND		4	ND		4
Zinc	5	NA	mg/L	ND		4	ND		4	ND		4	ND		4	ND		4
Alkalinity	NS	NA	mg/L	83	78-87	4	86	79-90	4	235	220-240	4	73	64-80	4	87	76-91	4
Chlorides	250	NA	mg/L	24	24-25	4	29	24-38	4	59	43-83	4	30	24-34	4	22	19-25	4
Color	15	NA	Color Units	ND		4	ND		4	ND		4	ND		4	ND		4
Conductivity	NS	NS	umhos/cm	300	290-310	35	NR			720	630-800	47	270	230-290	44	310	300-340	50
pH	NS	NS	pH units	7.4	7.1-7.8	362	7.5	7.0-7.9	278	7.4	7.4-7.5	207	7.8	6.9-8.9	362	8.0	7.8-8.3	4380
Total Dissolved Solids	NS	NS	mg/L	165	150-180	4	180	160-210	4	400	370-430	4	160		4	163	140-180	4
Total Hardness	NS	NS	mg/L	125	120-130	4	120		4	263	200-320	4	98	88-110	4	110		1
Total Organic Carbon	NS	NS	mg/L	1.6	1.4-1.7	4	1.1	0.8-1.5	4	0.8	0.7-0.9	4	2.2	1.8-2.5	4	1.9	1.7-2.0	4
Surfactants	NS	NS	mg/L	ND		4	ND		4	ND		4	ND		4	ND		4
Turbidity - Entry Point	TT **	NA	NTUs	0.05	0.03-0.09	2190	0.04	0.03-0.30	1512	NR			0.08	0.05-0.45	2190	0.07	0.01-0.23	4380
Turbidity - Distribution System	TT ***	NA	NTUs	0.09	0.03-2.1	4327	0.09	0.03-2.1	4327	0.1	0.04-2.0	361	0.09	0.03-2.1	4327	0.1	0.04-2.0	361
Chlorine Residual - Entry Point	NA	NA	mg/L	1.1	0.8-2.4	2184	0.8	0.3-1.3	1539	0.7	0.5-1.2	207	1	0.6-2.2	1081	1.5	0.2-2.2	4380
Chlorine Residual - Retail Dist.System	TT ****	NA	mg/L	0.6	ND-2.2	4356	0.6	ND-2.2	4356	0.4	ND-1.3	361	0.6	ND-2.2	4356	0.4	ND-1.3	361
Coliform - Retail Dist.System	TT *****	0	%Positive	ND		4345	ND		4345	0.3%		361	ND		4345	0.3%		361
Cryptosporidium	NS	NS	#Positive	ND		1	ND		1	NR			ND		50	ND		5
Giardia	NS	NS	#Positive	ND		1	ND		1	NR			ND		50	ND		5
Asbestos (Distribution System)	7	7	MF/L	ND		1 (2007)	ND		1(2007)	ND		1 (2007)	ND		1 (2007)	ND		1 (2007)
<b>Radionuclides</b>																		
Gross Alpha	15	0	pCi/L	ND		1 (2012)	ND		1	ND		1 (2012)	ND		1 (2012)	ND		1 (2004)
Gross Beta	50	0	pCi/L	ND		1 (2012)	ND		1	ND		1 (2012)	ND		1 (2012)	ND		1 (2004)
Combined Radium 226/228	5	0	pCi/L	ND		1 (2012)	ND		1	ND		1 (2012)	ND		1 (2012)	ND		1 (2004)
Uranium	30	0	pCi/L	ND		1 (2012)	ND		1	ND		1 (2012)	ND		1 (2012)	ND		1 (2004)
<b>Volatile Organics</b>																		
Benzene	5	0	ug/L			4			4			4			4			2
Bromobenzene	5	NA	ug/L			4			4			4			4			2
Bromochloromethane	5	NA	ug/L			4			4			4			4			2
Bromomethane	5	NA	ug/L			4			4			4			4			2
n-Butylbenzene	5	NA	ug/L			4			4			4			4			2
sec-Butylbenzene	5	NA	ug/L			4			4			4			4			2
tert-Butylbenzene	5	NA	ug/L			4			4			4			4			2
Carbon Tetrachloride	5	0	ug/L			4			4			4			4			2

Parameter	EPA/NYS MCL	EPA/NYS MCLG	UNITS	Shoremont WTP Lake Ontario			Webster WTP Lake Ontario			Corfu WTP Well			Hemlock WTP Hemlock Lake			ECWA Lake Erie		
				Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014
Chlorobenzene	5	NA	ug/L	<b>Not Detected</b>		4	<b>Not Detected</b>		4	<b>Not Detected</b>		4	<b>Not Detected</b>		4	<b>Not Detected</b>		2
Chloroethane	5	NA	ug/L			4			4			2						
Chloromethane	5	NA	ug/L			4			4			2						
2-Chlorotoluene	5	NA	ug/L			4			4			2						
4-Chlorotoluene	5	NA	ug/L			4			4			2						
Dibromomethane	5	NA	ug/L			4			4			2						
1,2-Dichlorobenzene	5	NA	ug/L			4			4			2						
1,3-Dichlorobenzene	5	NA	ug/L			4			4			2						
1,4-Dichlorobenzene	5	NA	ug/L			4			4			2						
Dichlorodifluoromethane	5	NA	ug/L			4			4			2						
1,1 Dichloroethane	5	NA	ug/L			4			4			2						
1,2-Dichloroethane	5	0	ug/L			4			4			2						
1,1-Dichloroethene	5	NA	ug/L			4			4			2						
cis-1,2-Dichloroethene	5	NA	ug/L			4			4			2						
trans-1,2-Dichloroethene	5	NA	ug/L			4			4			2						
1,2-Dichloropropane	5	0	ug/L			4			4			2						
1,3-Dichloropropane	5	NA	ug/L			4			4			2						
2,2-Dichloropropane	5	NA	ug/L			4			4			2						
1,1-Dichloropropene	5	NA	ug/L			4			4			2						
1,3-Dichloropropene(Cis)	5	NA	ug/L			4			4			2						
1,3-Dichloropropene(Trans)	5	NA	ug/L			4			4			2						
Ethylbenzene	5	NA	ug/L			4			4			2						
Hexachlorobutadiene	5	NA	ug/L			4			4			2						
Isopropylbenzene	5	NA	ug/L			4			4			2						
p-Isopropyltoluene	5	NA	ug/L			4			4			2						
Methyl Tert-butyl ether (MTBE)	10	NA	ug/L			4			4			2						
Methylene Chloride (Dichloromethane)	5	0	ug/L			4			4			2						
n-Propylbenzene	5	NA	ug/L			4			4			2						
Styrene	5	NA	ug/L			4			4			2						
1,1,1,2-Tetrachloroethane	5	NA	ug/L			4			4			2						
1,1,2,2-Tetrachloroethane	5	NA	ug/L	4	4	2												
Tetrachloroethene	5	0	ug/L	4	4	2												
Toluene	5	NA	ug/L	4	4	2												

Parameter	EPA/NYS MCL	EPA/NYS MCLG	UNITS	Shoremont WTP Lake Ontario			Webster WTP Lake Ontario			Corfu WTP Well			Hemlock WTP Hemlock Lake			ECWA Lake Erie		
				Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014
1,2,3-Trichlorobenzene	5	NA	ug/L			4			4			4			4			2
1,2,4-Trichlorobenzene	5	NA	ug/L			4			4			4			4			2
1,1,1-Trichloroethane	5	NA	ug/L			4			4			4			4			2
1,1,2-Trichloroethane	5	3	ug/L			4			4			4			4			2
Trichloroethene	5	0	ug/L			4			4			4			4			2
Trichlorofluoromethane	5	NA	ug/L			4			4			4			4			2
1,2,3-Trichloropropane	5	NA	ug/L			4			4			4			4			2
1,2,4-Trimethylbenzene	5	NA	ug/L			4			4			4			4			2
1,3,5-Trimethylbenzene	5	NA	ug/L			4			4			4			4			2
Vinyl Chloride	2	0	ug/L			4			4			4			4			2
Xylenes	5	NA	ug/L			4			4			4			4			2
<b>Organics, Pesticides, Herbicides</b>																		
1, 2-Dibromo-3-Chloropropane	200	0	ng/L			1			1			1			1			1
1, 2-Dibromoethane (EDB)	50	0	ng/L			1			1			1			1			1
2, 4, 5-TP (Silvex)	10	NA	ug/L			1			1			1			1			1
2, 4-D	50	NA	ug/L			1			1			1			1			1
3-Hydroxycarbofuran	50	NS	ug/L			1			1			1			1			1
Alachlor	2	0	ug/L			4			4			4			4			4
Aldicarb	3	1	ug/L			1			1			1			1			1
Aldicarb Sulfone	2	1	ug/L			1			1			1			1			1
Aldicarb Sulfoxide	4	1	ug/L			1			1			1			1			1
Aldrin	5	NA	ug/L			4			4			4			4			4
Atrazine	3	3	ug/L			4			4			4			4			4
Benzo(a)pyrene	200	0	ng/L			4			4			4			4			4
Bis(2-Ethylhexyl)Phthalate	6	0	ug/L			4			4			4			4			4
Butachlor	50	NA	ug/L			4			4			4			4			4
Carbaryl	50	NA	ug/L			1			1			1			1			1
Carbofuran	40	40	ug/L			1			1			1			1			1
Dalapon	50	NA	ug/L			1			1			1			1			1
DCCA, Mono & Di-Acid Degradate	50	NS	ug/L	ND	ND - 0.14	4			4			4			4			4
Di(2-Ethylhexyl) Adipate	50	NA	ug/L			4			4			4			4			4
Dicamba	50	NA	ug/L			1			1			1			1			1
Dieldrin	5	NA	ug/L			4			4			4			4			4

Parameter	EPA/NYS MCL	EPA/NYS MCLG	UNITS	Shoremont WTP Lake Ontario			Webster WTP Lake Ontario			Corfu WTP Well			Hemlock WTP Hemlock Lake			ECWA Lake Erie		
				Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014
Dinoseb	7	7	ug/L	<b>Not Detected</b>		1	<b>Not Detected</b>		1	<b>Not Dete</b>		1	<b>Not Dete</b>		1	<b>Not Dete</b>		1
Dioxin	30	0	pg/L			1			1			1			1			1
Diquat	20	20	ug/L			1			1			1			1			1
Endothall	50	NA	ug/L			1			1			1			1			1
Endrin	2	2	ug/L			4			4			4			4			4
Glyphosate	50	NA	ug/L			1			1			1			1			1
Heptachlor	400	0	ng/L			4			4			4			4			4
Heptachlor Epoxide	200	0	ng/L			4			4			4			4			4
Hexachlorobenzene	1	0	ug/L			4			4			4			4			4
Hexachlorocyclopentadiene	5	NA	ug/L			4			4			4			4			4
Isophorone	50	NA	ug/L			4			4			4			4			4
Lindane (gamma-BHC)	200	200	ng/L			4			4			4			4			4
Methomyl	50	NA	ug/L			1			1			1			1			1
Methoxychlor	40	40	ug/L			4			4			4			4			4
Metolachlor	50	NA	ug/L			4			4			4			4			4
Metribuzin	50	NA	ug/L			4			4			4			4			4
Oxamyl	50	NA	ug/L			1			1			1			1			1
p,p' DDD	5	NA	ug/L			4			4			4			4			4
p,p' DDE	NS	NS	ug/L			4			4			4			4			4
p,p' DDT	5	NA	ug/L			4			4			4			4			4
PCB's Total	500	0	ng/L			4			4			4			4			4
Pentachlorophenol	1	0	ug/L			4			4			4			4			4
Perchlorate	NS	NS	ug/L			1			1			1			1			1
Pichloram	50	NA	ug/L			1			1			1			1			1
Propachlor	50	NA	ug/L			4			4			4			4			4
Simazine	4	4	ug/L			4			4			4			4			4
Total Chlordane	2	0	ug/L			4			4			4			4			4
Toxaphene	3	0	ug/L			4			4			4			4			4
<b>Disinfectant Byproducts</b>																		
Total THMs	80	NA	ug/L	45	7-86	48	45	7-86	48	43	23-64	8	45	7-86	48	43	23-64	8
Haloacetic Acids	60	NA	ug/L	13	ND-39	48	13	ND-39	48	10	ND-20	8	13	ND-39	48	10	ND-20	8

				Shoremont WTP Lake Ontario			Webster WTP Lake Ontario			Corfu WTP Well			Hemlock WTP Hemlock Lake			ECWA Lake Erie					
Parameter				Average			Average			Average			Average			Average					
				Range			Range			Range			Range			Range					
				Samples in 2014			Samples in 2014			Samples in 2014			Samples in 2014			Samples in 2014					
EPA/NYS MCL				EPA/NYS MCLG			EPA/NYS MCLG			EPA/NYS MCLG			EPA/NYS MCLG			EPA/NYS MCLG					
UNITS				UNITS			UNITS			UNITS			UNITS			UNITS					
<b>UCMR 3 (Unregulated Contaminant Monitoring)</b>				<b>Shoremont WTP (Lake Ontario)</b>						<b>Corfu WTP</b>						<b>ECWA (Lake Erie)</b>					
Every few years the USEPA issue a new list of up to 30 unregulated contaminants for which public water systems must monitor. The intent of this rule is to provide baseline occurrence data that the EPA can combine with toxicological research to make decisions about future drinking water regulations. MCWA completed monitoring for the third list (UCMR 3) in 2014 with the results as follows:				At Entry Point (WTP)			At End Of Distribution System			At Entry Point (WTP)			At End Of Distribution System			At Entry Point to MCWA System					
Parameter				Average			Average			Average			Average			Average					
EPA/NYS MCL				EPA HRL			EPA HRL			EPA HRL			EPA HRL			EPA HRL					
UNITS				UNITS			UNITS			UNITS			UNITS			UNITS					
				Range			Range			Range			Range			Range					
				Samples in 2014			Samples in 2014			Samples in 2014			Samples in 2014			Samples in 2014					
				Samples in 2014			Samples in 2014			Samples in 2014			Samples in 2014			Samples in 2014					
<b>Inorganics, Metals, Physical Parameters</b>																					
cobalt	5 (NYS)	70	ug/L	ND		4	ND		4	ND		4	ND		4	ND		4			
chromium (total)	100	100	ug/L	ND	ND-0.23	4	0.22	ND-0.44	4	ND	ND-0.2	4	ND	ND-0.22	4	ND	ND-0.26	4			
molybdenum	NS	40	ug/L	1.3	1.2-1.3	4	ND	ND-1.3	4	ND		4	ND		4	1.2	1.0-1.2	4			
strontium	NS	1500	ug/L	178	160-190	4	160	130-210	4	178	120-260	4	183	150-240	4	150	130-170	4			
vanadium	NS	21	ug/L	ND	ND-0.2	4	0.38	0.24-0.50	4	ND		4	ND	ND-0.2	4	ND	ND-0.2	4			
chromium-6	100	NS	ug/L	0.082	0.074-0.085	4	0.20	0.16-0.24	4	ND		4	0.051	ND-0.061	4	0.0748	0.065-0.090	4			
chlorate	NS	210	ug/L	48	ND-130	4	203	120-350	4	115	43-270	4	71	40-140	4	ND		4			
chloromethane	5 (NYS)	2.69-269	ug/L	ND		4			4	ND	ND-0.023	4			4	ND		4			
1,4-dioxane	5 (NYS)	0.35-35	ug/L	ND		4			4	ND		4			4	ND		4			
1,1-dichloroethane	5 (NYS)	6.14-614	ug/L	ND		4			4	ND		4			4	ND		4			
1,2,3-trichloropropane	5 (NYS)	0.004-0.04	ug/L	ND		4			4	ND		4			4	ND		4			
1,3-butadiene	5 (NYS)	0.01-1.0	ug/L	ND		4			4	ND		4			4	ND		4			
bromochloromethane	5 (NYS)	90	ug/L	ND		4			4	ND		4			4	ND		4			
bromomethane	5 (NYS)	140	ug/L	ND		4			4	ND		4			4	ND		4			
chlorodifluoromethane	5 (NYS)	NS	ug/L	ND		4			4	ND		4			4	ND		4			
PFBS	NS	NS	ug/L	ND		4			4	ND		4			4	ND		4			
PFHpA	NS	NS	ug/L	ND		4			4	ND		4			4	ND		4			
PFHxS	NS	NS	ug/L	ND		4			4	ND		4			4	ND		4			
PFNA	NS	NS	ug/L	ND		4			4	ND		4			4	ND		4			
PFOA	NS	0.4	ug/L	ND		4			4	ND		4			4	ND		4			
PFOS	NS	0.2	ug/L	ND		4			4	ND		4			4	ND		4			
androstene	NS	0.0003	ug/L	ND		4			4			4			4			4			
equilin	NS	0.0040	ug/L	ND		4			4			4			4			4			
estradiol	NS	0.0009-0.09	ug/L	ND		4			4			4			4			4			
estriol	NS	0.35	ug/L	ND		4			4			4			4			4			
estrone	NS	0.35	ug/L	ND		4			4			4			4			4			
ethynylestradiol	NS	0.04	ug/L	ND		4			4			4			4			4			
testosterone	NS	0.0001	ug/L	ND		4			4			4			4			4			

Parameter	EPA/NYS MCL	EPA/NYS MCLG	UNITS	Shoremont WTP Lake Ontario			Webster WTP Lake Ontario			Corfu WTP Well			Hemlock WTP Hemlock Lake			ECWA Lake Erie		
				Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014	Average	Range	Samples in 2014
<b>Key</b>																		
<p><b>MCL</b> = Maximum Contaminant Level, the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as possible.</p> <p><b>MCLG</b> = Maximum Contaminant Level Goal, the level of a contaminant below which there is no known or expected risk to health. MCLGs allow for a margin of safety.</p> <p><b>TT</b> = Treatment Technique, a required process intended to reduce the level of a contaminant in drinking water.</p> <p><b>AL*</b> = Action Level, the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. If &gt;10% of results are greater than 15 ug/l for lead or 1.3 mg/L for copper, remediative steps are required. In MCWA's combined retail area, 90% of the samples were less than 4.3 ug/L for lead and 0.100 mg/L for copper.</p> <p><b>HRL</b> = Health Reference Level, an estimate of acceptable drinking water levels for a chemical substance based on limited available information.</p> <p><b>mg/l</b> = milligram (1/1,000 of a gram) per liter = ppm = parts per million</p> <p><b>ug/l</b> = microgram (1/1,000,000 of a gram) per liter = ppb = parts per billion</p> <p><b>ng/L</b> = nanogram (1/1,000,000,000 of a gram) per liter = ppt = parts per trillion</p> <p><b>pg/L</b> = picogram (1/1,000,000,000,000 of a gram) per liter = ppq = parts per quadrillion</p> <p><b>pCi/L</b> = picoCuries per liter                      <b>WTP</b> = Water Treatment Plant</p>									<p><b>NTU</b> = Nephelometric turbidity Unit, a measure of the clarity of water.</p> <p><b>MF/L</b> = million fibers per liter, a measure of the presence of asbestos fibers longer than 10 micrometers.</p> <p><b>(year)</b> = Most recent testing. Monitoring frequency requirements vary depending on compound.</p> <p><b>Not Detected = ND</b> = absent or present at less than testing method detection level. All testing methods are EPA approved with detection limits much less than the MCL.</p> <p><b>NA</b> = Not applicable    <b>NR</b> = Not required                      <b>NS</b> = No standard                      <b>NT</b> = Not Tested</p> <p><b>umhos/cm</b> = micro ohms per centimeter</p> <p><b>Cont</b> = Continuously monitored via online instrumentation.</p> <p>** = 95% of measurements within a given month must be less than 0.3 NTUs.</p> <p>*** = Average of monthly distribution system turbidity samples must be less than 5.0 NTUs.</p> <p>**** = 95% of monthly distribution system samples must have a measurable chlorine residual.</p> <p>***** = No more than 5% of monthly samples can be positive.</p> <p><b>Note:</b> Total Hardness is also expressed in grains per gallon. The Total Hardness of the Ontario and Hemlock supplies are 7.6 and 5.6 grains per gallon respectively.</p>									