

Village of Brockport - Water Quality Table 2

Detected Substances

Shoremont & Webster WTPs (L.Ontario)

Substances	Units	MCLG	MCL	Range of detected values	Likely Source	Meets EPA Standards
Barium	mg/L	2	2	0.020-0.027	Erosion of natural deposits	Yes
Chloride	mg/L	NA	250	25-29	Naturally occurring	Yes
Fluoride	mg/L	NA	2.2	0.1-2.1	Natural and additive - promotes strong teeth	Yes
Nitrate	mg/L	10	10	0.2-2.1	Erosion of natural deposits	Yes
Sodium	mg/L	NA	NS	14-15	Naturally occurring	Yes
Sulfate	mg/L	NA	250	26-28	Naturally occurring	Yes

Treatment Requirements - 95% of samples each month must be less than 0.3 NTU. Range and lowest monthly percentage are listed. Turbidity is a measure of water clarity and is used to gauge filtration performance.

Turbidity - Entry Point	NTUs	TT	Soil Runoff	Yes
				Yes

Microbial - No more than 5% of monthly samples can be positive. The highest monthly % positive is listed.

Coliform	% Positive	5%	Naturally occurring	Yes
	0			Yes

Disinfectant and Disinfectant By-products (DBPs) - Chlorine has a MRDL (Maximum Residual Disinfectant Level) and MRDLG (MRDL Goal) rather than an MCL and MCLG (Average and range are listed). For the DBPs (THMs and Haloacetic acids) the highest individual location annual average and the range for all locations are listed.

Chlorine Residual - Entry Pt	mg/L	4	4	1.0(0.6-1.6)	Additive for control of microbes	Yes
						Yes
Total THMs	ug/L	NA	80	45 (28-56)	Byproduct of water chlorination	Yes
						Yes
Haloacetic Acids	ug/L	NA	60	17 (11-23)	Byproduct of water chlorination	Yes
						Yes

Lead and Copper - 90% of samples must be less than the Action Level (AL). The 90th Percentile, the number of samples exceeding the AL, and the range of results are listed.

Copper (Customer Tap Samples)	mg/L	1.3	AL=1.3	0.094 (None) 0.005 - 0.500 (2015)	Corrosion of household plumbing	Yes
						Yes
Lead (Customer Tap Samples)	ug/L	0	AL=15	12 (Four) ND - 63 (2015)	Corrosion of household plumbing	Yes
						Yes

For more information on MCWA's monitoring program call Customer Service at 585-442-7200.

Unregulated Contaminant Monitoring (UCMR3)
 - Every few years the USEPA issues a new list of up to 30 unregulated contaminants for which public water systems must monitor. This provides baseline occurrence data that the EPA combines with toxicological research to make decisions about future drinking water regulations. MCWA completed monitoring for the third list (UCMR 3) in 2014. For more information on this process go to <http://www.drinktap.org/home/water-information/water-quality/ucmr3.aspx>.

Supply (Source)		Shoremont WTP (L.Ontario)	
Units	MCL	At Entry Point to System	At End of System
Chromium (total)	100 ug/L	ND-0.23 (2014)	ND-0.44(2014)
Molybdenum	NS ug/L	1.2-1.3 (2014)	ND-1.3 (2014)
Strontium	NS ug/L	160-190 (2014)	130-210 (2014)
Vanadium	NS ug/L	ND-0.2 (2014)	0.24-0.50 (2014)
Chromium-6	100 ug/L	0.074-0.085 (2014)	0.16-0.24 (2014)
Chlorate	NS ug/L	ND-130 (2014)	120-350 (2014)

Note: The following contaminants were tested for but not found:
 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2 Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, EDB, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloroethene (Trans), 1,2-Dichloropropane, 1,3-Butadiene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,3-Dichloropropene(Cis), 1,3-Dichloropropene(Trans), 1,3-dinitrobenzene, 1,4-Dioxane, 1,4-Dichlorobenzene, 2,2-Dichloropropane, Dioxin, 2,4 D, 2,4-5 TP, 2-Chlorotoluene, 3-Hydroxy-carbofuran, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, 4-Chlorotoluene, Acetochlor, Aldicarb, Aldicarb Sulfone, Aldicarb Sulfoxide, Aldrin, Androstene, Antimony, Arsenic, Asbestos, Atrazine, Benzene, Benzo(a)pyrene, Beryllium, Bromobenzene, Bromochloromethane, Bromomethane, Butachlor, Cadmium, Carbaryl, Carbofuran, Carbon Tetrachloride, Chloroethane, Chlorobenzene, Chloroethane, Chlorodifluoromethane, Chloromethane, cis-1,2-Dichloroethene, Cobalt, Cryptosporidium, Cyanide, Dacthal, Dalapon, DBCP, DCPA, Mono & Di-Acid Degradate, Di(2-Ethylhexyl) Adipate, Di(2-Ethylhexyl) Phthalate, Dibromomethane, Dicaamba, Dichlorodifluoromethane, Dichloromethane, Dieldrin, Dinoseb, Dioxin, Diquat, Endothal, Endrin, Equilin, Estradiol, Estriol, Estrone, Ethylbenzene, Ethynylestradiol, Glyphosate, Gross Alpha, Gross Beta, Heptachlor, Heptachloropoxide, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Iron, Isophorone, Isopropyl Benzene, Lindane, Mercury, Methomyl, Methoxychlor, Metolachlor, Metribuzin, MTBE, n-Butylbenzene, Nickel, Nitrite, n-Propylbenzene, Oxamyl, Paraquat, PCB's, Pentachlorophenol, Perchlorate, PFBS, PFHxS, PFNA, PFOA, PFOA, PFOS, Pichloram, p-Isopropyltoluene, Propachlor, Radium 226/228, sec-Butylbenzene, Selenium, Silver, Simazine, Styrene, Surfactants, tert-Butylbenzene, Testosterone, Tetrachloroethene, Thallium, Toluene, Toxaphene, trans-1,2-Dichloroethene, Trichloroethene, Trichlorofluoromethane, Uranium, Vinyl Chloride, Xylene, Zinc