Table of Detected Contaminants

Inorganic Contaminants Found at Entry Point

Contaminant	Water Source	Violation Yes/ No	Date(s) of Sampling	Average Level found (Range)	Units Measured	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
Aluminum	Otisco	No	Mar, Sep 2018	0.066 (0.027- 0.105)	mg/l	N/A	N/A	Erosion of natural deposits; Residual aluminium may be from a chemical used in the treatment process.
	Ontario	No	Mar, Sep 2018	0.084 (0.053- 0.116)	mg/l	N/A	N/A	
Barium	Otisco	No	Mar, Sep 2018	0.033 (0.032- 0.034)	mg/l	2	2	Erosion of natural deposits.
	Ontario	No	Mar, Sep 2018	0.019 (0.018- 0.020)	mg/l	2	2	
	Skaneateles	No	May 2018	0.025	mg/l	2	2	
Calcium	Otisco	No	Mar, Sep 2018	36.7 (31.9-41.6)	mg/l	N/A	N/A	Naturally occurring.
	Ontario	No	Mar, Sep 2018	33.2 (32.7-33.7)	mg/l	N/A	N/A	
Chloride	Otisco	No	Mar, Sep 2018	41.2 (38.5-43.9)	mg/l	N/A	250	Naturally occurring; Road salts.
	Ontario	No	Mar, Sep 2018	27.9 (26.0-29.9)	mg/l	N/A	250	
	Skaneateles	No	May 2018	22	mg/l	N/A	250	
Chlorite	Otisco	No	Daily	0.17 (ND- 0.28)	mg/l	N/A	1	By-product of drinking water disinfection at plant using chlorine dioxide.
Chlorine Dioxide Residual (1)	Otisco	No	Daily	160 (ND- 520)	ug/l	N/A	800 (MRDL)	By-product of drinking water disinfection at plant using chlorine dioxide.
Chlorine Residual (Free)	Otisco	No	Every 4 hrs.	1.13 (0.81- 1.43)	mg/l	N/A	4 (MRDL)	Added to water to kill harmful bacteria and to prevent the regrowth of bacteria
	Ontario	No	Every 4 hrs.	0.89 (0.56- 1.13)	mg/l	N/A	4 (MRDL)	
	Skaneateles	No	Every 4 hrs.	0.96 (0.47- 1.55)	mg/l	N/A	4 (MRDL)	

(1) Chlorine Dioxide and Chlorite were tested for daily for 213 days in 2018. For 212 days in 2018 OCWA was adding Chlorine Dioxide as a preoxidant in order to control Zebra Mussels at the intake, provide adequate disinfection, and control the formation of undesirable disinfection by-products such as Trihalomethanes and Haloacetic acids. OCWA intends to add Chlorine Dioxide again during warm water conditions in 2019.

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Inorganic Contaminants Found at Entry Point

Contaminant	Water Source	Violation Yes/ No	Date(s) of Sampling	Average Level found (Range)	Units Measured	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
Chromium 6 (2)	Otisco	No	Oct 2018	0.065	ug/l	N/A	N/A	Erosion of natural deposits; Industrial sources.
	Ontario	No	Oct 2018	0.070	ug/l	N/A	N/A	
	Skaneateles	No	Oct 2018	0.031	ug/l	N/A	N/A	
Copper	Otisco	No	Mar, Sep 2018	0.0045 (.0021- .0069)	mg/l	N/A	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
	Ontario	No	Mar, Sep 2018	0.0040 (.0031-.0049)	mg/l	N/A	AL = 1.3	
Fluoride (3)	Otisco	No	Daily	0.64 (0.06- 0.79)	mg/l	N/A	2.2	Erosion of natural deposits; Water additive that promotes strong teeth; discharge from fertilizer.
	Ontario	No	Daily	0.70 (0.65- 0.85)	mg/l	N/A	2.2	
	Skaneateles	No	Daily	0.73 (0.20- 2.00)	mg/l	N/A	2.2	
Magnesium	Otisco	No	Mar, Sep 2018	10.6 (10.3- 10.9)	mg/l	N/A	N/A	Naturally occurring.
	Ontario	No	Mar, Sep 2018	8.92 (8.88- 8.96)	mg/l	N/A	N/A	

(2) Chromium 6: Although it is not regulated, OCWA took samples from the entrance point of the distribution representing water treated from Otisco, Ontario and Skaneateles Lakes and had them tested for Chromium 6 at low detection levels. The results are shown in the table above. Also in 2015, OCWA took samples representative of all 3 of the source waters and had them tested for Chromium 6. This was done as part of the Unregulated Contaminant Rule. These results can be seen on page 21. For more information on Chromium 6 see page 23.

(3) Information on Fluoride Addition: OCWA is one of many drinking water systems that provide drinking water with a controlled, low level of fluoride for consumer dental health protection. According to the United States Center for Disease Control, fluoride is very effective in preventing cavities when present in drinking water at an optimal dose of 0.7 mg/l. To ensure that the fluoride supplement in your water provides optimal dental protection, the NYS Health Department requires that we monitor fluoride levels on a daily basis. During 2018 monitoring showed fluoride levels in your water were within 0.1mg/l of the optimal dose; 88% of the time for Otisco Lake water, 99% of the time for Lake Ontario water, and 80% for Skaneateles water.

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Contaminant	Water Source	Violation Yes/ No	Date(s) of Sampling	Average Level found (Range)	Units Measured	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
Nickel	Otisco	No	Mar, Sep 2018	0.72 (0.67-0.78)	ug/l	N/A	N/A	Erosion of natural deposits.
	Ontario	No	Mar, Sep 2018	0.68 (0.68-0.68)	ug/l	N/A	N/A	
	Skaneateles	No	May 2018	0.76	ug/l	N/A	N/A	
Nitrate	Otisco	No	Mar, Sep 2018	0.38 (0.18-0.59)	mg/l	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; Erosion of natural deposits.
	Ontario	No	Mar, Sep 2018	0.26 (0.24-0.28)	mg/l	10	10	
	Skaneateles	No	July 2018	0.48	mg/l	10	10	
Sodium (4)	Otisco	No	Mar, Sep 2018	24.2 (23.2-25.3)	mg/l	N/A	See Health Effects	Naturally occurring; Road salts; water softeners; animal wastes.
	Ontario	No	Mar, Sep 2018	17.5 (16.8-18.3)	mg/l	N/A	See Health Effects	
	Skaneateles	No	May 2018	13	mg/l	N/A	See Health Effects	
Sulfate	Otisco	No	Mar, Sep 2018	11.7 (11.3-12.1)	mg/l	N/A	250	Naturally occurring.
	Ontario	No	Mar, Sep 2018	24.1 (23.0-25.2)	mg/l	N/A	250	
	Skaneateles	No	May 2018	12	mg/l	N/A	250	

(4) Health Effects of Sodium: There is no MCL for Sodium. However, water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderately restricted diets.