

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
Barium	Otisco	No	Mar, Sept 2020	0.036 (0.033-0.039)	mg/l	2	2	Erosion of natural deposits.
	Ontario	No	Mar, Sept 2020	0.021 (0.019-0.023)	mg/l	2	2	
	Skaneateles	No	June, Nov 2020	0.024 (.0235-.0236)	mg/l	2	2	
Calcium	Otisco	No	Mar, Sept 2020	39.9 (33.4-46.4)	mg/l	N/A	N/A	Naturally occurring.
	Ontario	No	Mar, Sept 2020	35.4 (34.0-36.7)	mg/l	N/A	N/A	
Chloride	Otisco	No	Mar, Sept 2020	44.8 42.7 - 46.9	mg/l	N/A	250	Naturally occurring; Road salts.
	Ontario	No	Mar, Sept 2020	26.7 25.0 - 28.3	mg/l	N/A	250	
	Skaneateles	No	June, Nov 2020	24.25 (21.8-26.7)	mg/l	N/A	250	
Chlorite	Otisco	No	Daily	0.27 (<0.01- 0.45)	mg/l	N/A	1	By-product of drinking water disinfection at plant using chlorine dioxide.
Chlorine Dioxide Residual (1)	Otisco	No	Daily	4 (< 10 - 140)	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.	1.05 (0.86- 1.26)	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 (0.68- 1.10)	mg/l	N/A	4 (MRDL)	
	Skaneateles	No	Every 4 hrs.	1.27 (0.43-2.69)	mg/l	N/A	4 (MRDL)	

(1) Chlorite and Chlorine Dioxide were tested for daily for 213 days in 2020. For 213 days in 2020 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 2021.

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Chromium 6 (2)	Ontario	No	Oct 2020	0.08	ug/l	N/A	N/A	Erosion of natural deposits; Industrial sources.
	Skaneateles	No	Oct 2020	0.03	ug/l	N/A	N/A	
Copper	Otisco	No	Mar, Sept 2020	0.00125 (ND - 0.0015)	mg/l	N/A	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
	Ontario	No	Mar, Sept 2020	0.004 (.0023-.0057)	mg/l	N/A	AL = 1.3	
Fluoride (3)	Otisco	No	Daily	0.70 (0.61- 0.76)	mg/l	N/A	2.2	Erosion of natural deposits; Water additive that promotes strong teeth; discharge from fertilizer.
	Ontario	No	Daily	0.69 (0.63- 0.75)	mg/l	N/A	2.2	
	Skaneateles	No	Daily	0.73 (0.40-1.01)	mg/l	N/A	2.2	
Magnesium	Otisco	No	Mar, Sept 2020	10.9 (10.6-11.2)	mg/l	N/A	N/A	Naturally occurring.
	Ontario	No	Mar, Sept 2020	8.8 (8.7-8.9)	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. See page 22 for more information about Chromium 6.

(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. 2020 monitoring showed fluoride levels in your water were within 0.1mg/l of the optimal dose 100% of the time for Otisco Lake water and 100% of the time for Lake Ontario water.

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Nitrate	Otisco	No	Sept 2020	0.30	mg/l	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; Erosion of natural deposits.
	Ontario	No	Sep 2020	0.33	mg/l	10	10	
	Skaneateles	No	June 2020	0.99	mg/l	10	10	
Sodium (4)	Otisco	No	Mar, Sept 2020	25.4 (24.2-26.6)	mg/l	N/A	See Health Effects	Naturally occurring; Road salts; water softeners; animal wastes.
	Ontario	No	Mar, Sept 2020	18.4 (17.8-18.9)	mg/l	N/A	See Health Effects	
	Skaneateles	No	June 2020	10.9	mg/l	N/A	See Health Effects	
Sulfate	Otisco	No	Mar, Sept 2020	11.8 (11.7-11.9)	mg/l	N/A	250	Naturally occurring.
	Ontario	No	Mar, Sept 2020	23.1 (22.9-23.3)	mg/l	N/A	250	
	Skaneateles	No	June, Nov 2020	12.1 (11.8 - 12.4)	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.