

## Table of Detected Contaminants

### OCWA's Unregulated Contaminant Monitoring Rule 3 (UCMR3) Sampling

The UCMR3 is a requirement set by the EPA for public water systems to monitor for a list of 28 contaminants not presently regulated. Water systems must samples for these contaminants on an EPA set schedule and have these samples tested by a certified laboratory using EPA approved methods. Since some OCWA customers may receive water originating from one of three different sources; Otisco Lake, Lake Ontario, or Skaneateles Lake, the entry points of these source waters into the OCWA system were sampled. Also sampled were three separate sites determined to be the points of maximum residence for each of the three source waters.

Below is a table showing the unregulated contaminants found. The samples were collected at six separate sample sites in October of 2014. The sample sites represented three entry points to the distribution system and three points of maximum residence in the distribution system. A list of UCMR3 contaminants tested for but not found can be found at the end of this table. For more information please contact Bob Rusyn, 673-4304 ext 11.

### Unregulated Contaminants Detected During Testing

Contaminant	Water Source	Date of Sampling	Level found	Units Measured	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
Chlorate	Otisco entry point	Oct-14	290	ug/l	N/A	N/A	Agricultural defoliant or desiccant; disinfection byproduct; and used in production of chlorine dioxide
	Ontario entry point	Oct-14	140	ug/l	N/A	N/A	
	Skaneateles entry point	Oct-14	130	ug/l	N/A	N/A	
	Otisco Max. Res.	Oct-14	380	ug/l	N/A	N/A	
	Ontario Max. Res.	Oct-14	170	ug/l	N/A	N/A	
	Skaneateles Max. Res.	Oct-14	120	ug/l	N/A	N/A	
Chromium	Ontario entry point	Oct-14	0.2	ug/l	N/A	N/A	The amount measured when analyzing for "total chromium" is the sum of chromium in all of its valence states. The MCL for EPA's current total chromium regulation was determined based upon the health effects of chromium-6
	Ontario Max. Res.	Oct-14	0.2	ug/l	N/A	N/A	
Chromium-6	Ontario entry point	Oct-14	0.14	ug/l	N/A	N/A	Naturally-occurring element; used in making steel and other alloys; chromium-3 or -6 forms are used for chrome plating, dyes and pigments, leather tanning, and wood preservation
	Skaneateles entry point	Oct-14	0.03	ug/l	N/A	N/A	
	Otisco Max. Res.	Oct-14	0.07	ug/l	N/A	N/A	
	Ontario Max. Res.	Oct-14	0.12	ug/l	N/A	N/A	
	Skaneateles Max. Res.	Oct-14	0.03	ug/l	N/A	N/A	

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Molybdenum	Ontario entry point	Oct-14	1.2	ug/l	N/A	N/A	Naturally-occurring element found in ores and present in plants, animals and bacteria; commonly used form molybdenum trioxide used as a chemical reagent
	Ontario Max. Res.	Oct-14	1.2	ug/l	N/A	N/A	
Strontium	Otisco entry point	Oct-14	110	ug/l	N/A	N/A	Naturally-occurring element; historically, commercial use of strontium has been in the faceplate glass of cathode-ray tube televisions to block x-ray emissions
	Ontario entry point	Oct-14	180	ug/l	N/A	N/A	
	Skaneateles entry point	Oct-14	79	ug/l	N/A	N/A	
	Otisco Max. Res.	Oct-14	130	ug/l	N/A	N/A	
	Ontario Max. Res.	Oct-14	180	ug/l	N/A	N/A	
	Skaneateles Max. Res.	Oct-14	83	ug/l	N/A	N/A	
Vanadium	Otisco Max. Res.	Oct-14	0.3	ug/l	N/A	N/A	Naturally-occurring elemental metal; used as vanadium pentoxide which is a chemical intermediate and a catalyst
	Ontario Max. Res.	Oct-14	0.3	ug/l	N/A	N/A	

#### Unregulated Contaminants Not Detected During Testing

In 2014, the Onondaga County Water Authority was required to collect and analyze drinking water samples for unregulated contaminants. The following contaminants were tested for but not detected; 1,2,3-trichloropropane, 1,3-butadiene, chloromethane (methyl chloride), 1,1-dichloroethane, bromomethane (methyl bromide), chloromethane (methyl chloride), 1,1-dichloroethane, chlorodifluoromethane (HCFC-22), bromochloromethane (halon 1011), 1,4-dioxane, cobalt, perfluorooctanesulfonate acid (PFOS), perfluorooctanoic acid (PFOA), perfluorononanoic acid (PFNA), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorobutanesulfonic acid (PFBS), 4-androstene-3,17-dione, 17- $\beta$ -estradiol, 17- $\alpha$ -ethynylestradiol (ethinyl estradiol), 16- $\alpha$ -hydroxyestradiol (estriol), equilin, estrone, testosterone.