

## Table of Detected Contaminants

### Lead & Copper in the distribution System

Contaminant	Violation Yes / No	Date(s) of Sampling	Average Level found (Range)	90th Percentile Value	Units Measured	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
Copper	No	Jun-Sept 2016	0.086 (.0016 -.68)	0.23	mg/l	0	AL = 1.3*	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
Lead	No	Jun-Sept 2016	1.47 (nd - 20)	5.1	ug/l	0	AL = 15*	Corrosion of household plumbing systems; Erosion of natural deposits;

\*AL (Action Level) – Only 10% of samples can exceed this level.

#### About Lead and Copper:

In order to deter the leaching of lead and/ or copper from our customers' pipes, OCWA has been mandated to implement corrosion control. Lead & Copper Sampling is required every 3 years. OCWA will sample again in 2019.

The method of corrosion control used on waters originating from Otisco and Skaneateles lakes is the addition of orthophosphate. The adjustment of pH is the method used for Ontario water. OCWA's latest sampling period was in June - Sept of 2016 when OCWA sampled and tested customers' taps to make sure the corrosion controls were effective.

**90<sup>th</sup> Percentile Values for LEAD & COPPER:** The values reported for lead and copper represent the 90<sup>th</sup> percentile. The 90<sup>th</sup> percentile value is the concentration that 90% of the taps sampled were at or below. Since the Action Level for Lead is 15 ug/l, 90% of the taps tested had to be at or below this value. As you can see from the above chart 90% of the taps tested were at or below 5.1 ug/l in June - Sept. of 2016. The Action Level for Copper is 1.3 mg/l. The observed 90<sup>th</sup> percentile for Copper was 0.23 mg/l. Of the 107 samples that OCWA tested in June - Sept. of 2016, Only two sample exceeded the action level for lead. No sample exceeded the action level for copper.

The testing showed that our methods of corrosion control are working.

**Non-Compliance Operational Sample;** In order to determine compliance with the Lead and Copper Rule a water purveyor must collect all of its required samples between the dates of June 1 and September 30. Samples taken outside of this sampling period are not used to determine compliance with the 90th Percentile Value. In 2016 OCWA had one such sample. It was taken on December 22, 2016 by customer request. The sample results was 0.089 mg/L for Copper, well below the 1.3 mg/L action level. Lead was not detected.