

## TABLE OF DETECTED CONTAMINANTS 2020 - Village of Windsor

Contaminant	Violation Yes/No	Sample Location	Date of Sample	Level Detected (range)	Unit Measurement	MCLG	MCL	Likely Source of Contamination
<b>Inorganic Contaminants</b>								
Barium	No	Well #1 Well #2	9/29/2020	0.0271 0.0269	mg/l	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Lead <sup>1</sup>	No	Distribution	9/28-30/2020	5.6 (1.5-6.7)	ug/l	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits.
Copper <sup>1</sup>	No	Distribution	9/28-30/2020	1.41 (0.0804-3.68)	mg/l	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Nitrate (as Nitrogen)	No	Well #1 Well #2	9/29/2020	3.12 3.85	mg/l	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Sodium <sup>2</sup>	No	Well #1 Well #2	9/29/2020	118 106	mg/l	N/A	See Health Effects	Naturally occurring; Road salt; Water softeners; Animal waste.
<b>Disinfection Byproducts</b>								
Total Trihalomethanes <sup>3</sup>	No	Distribution	9/29/2020	1.46	ug/l	N/A	80	Byproduct of drinking water chlorination.
Haloacetic Acids <sup>4</sup>	No	Distribution	9/29/2020	1.3	ug/l	N/A	60	Byproduct of drinking water chlorination.
<b>Radiological Contaminants</b>								
Gross Alpha	No	Well #1 Well #2	12/21/2016	ND 0.676	pCi/L	0	15	Erosion of natural deposits.
Radium-226	No	Well #1 Well #2	12/21/2016	0.0663 0.137	pCi/L	0	5	Erosion of natural deposits.
Radium-228	No	Well #1 Well #2	12/21/2016	0.501 0.216	pCi/L	0	5	Erosion of natural deposits.

### Notes:

1	The level presented represents the 90th percentile of the sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the lead/copper values detected at your water system. One sample (18.4 ug/l) was slightly above the action level (15.0 ug/l) for lead during this sampling event.
2	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 sodium diets.
3	This level represents the total levels of the following contaminants: chloroform, bromodichloromethane, dibromochloromethane, bromoform.
4	This level represents the total levels of the following contaminants: monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid and dibromoacetic acid.

### Definitions:

**Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.

**Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Non-Detects (ND):** Laboratory analysis indicates that the constituent is not present.

**Milligrams per liter (mg/l):** Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

**Micrograms per liter (ug/l):** Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

**Picocuries per liter (pCi/L):** A measure of the radioactivity in water.