

## TABLE OF DETECTED CONTAMINANTS 2019 - 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	9/29/2017	0.0220 0.0252	mg/l	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Lead <sup>1</sup>	No	Distribution	9/29/2017	6.16 (0.988-18.4)	ug/l	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits.
Copper <sup>1</sup>	No	Distribution	9/29/2017	0.395 (0.00351-0.493)	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	9/27/2019	3.17 4.22	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	9/27/2019	115 100	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	9/27/2019	1.69	ug/l	N/A	80	Byproduct of drinking water chlorination.
Haloacetic Acids <sup>4</sup>	No	Distribution	9/27/2019	1.02	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.
<b>Notes:</b>								
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.							
<b>Definitions:</b>								
<b>Maximum Contaminant Level (MCL):</b> The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.								
<b>Maximum Contaminant Level Goal (MCLG):</b> 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.								
<b>Action Level (AL):</b> The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.								

<u>Non-Detects (ND)</u> : Laboratory analysis indicates that the constituent is not present.
<u>Milligrams per liter (mg/l)</u> : Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).
<u>Micrograms per liter (ug/l)</u> : Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).
<u>Picocuries per liter (pCi/L)</u> : A measure of the radioactivity in water.