

TABLE OF DETECTED CONTAMINANTS 2015 - Village of Windsor

Contaminant	Violation Yes/No	Sample Location	Date of Sample	Level Detected (range)	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
Arsenic	No	Well #1 Well #2	9/30/2014	1.2 1.1	ug/l	N/A	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium	No	Well #1 Well #2	9/30/2014	0.0232 0.0199	mg/l	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Lead ¹	No	Distribution	9/30/2014	1.9 (ND-22.6)	ug/l	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits.
Copper ¹	No	Distribution	9/30/2014	0.459 (0.102-0.782)	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	12/31/2015	2.19 2.41	mg/l	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Sodium ²	No	Well #1 Well #2	12/31/2015	94 79	mg/l	N/A	See Health Effects	Naturally occurring; Road salt; Water softeners; Animal waste.
Disinfection Byproducts								
Total Trihalomethanes ³	No	Distribution	9/30/2015	0.66	ug/l	N/A	80	Byproduct of drinking water chlorination.
Haloacetic Acids ⁴	No	Distribution	9/30/2015	0.69	ug/l	N/A	60	Byproduct of drinking water chlorination.

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 systems. The action level for copper was exceeded by 10 % of the samples for the first time this year. We will continue to monitor the levels and take corrective measures as needed.
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).