TABLE OF DETECTED CONTAMINANTS 2024 - Village of Windsor

Contaminant	Violation Yes/No	Sample Location	Date of Sample	Level Detected (range)	Unit Measure-ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
Barium	No	Well #1 Well #2	9/29/2023	0.025 0.0278	mg/l	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Lead[1]	No	Distribution	9/24-25/2024	5.6 (<1.0-8.8)	ug/l	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits.
Copper[1]	Yes	Distribution	9/24-25/2024	1.43 (0.0639-2.02)	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	9/24/2024	3.59 5.04	mg/l	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Sodium[2]	No	Well #1 Well #2	9/24/2024	122 114	mg/l	N/A	See Health Effects	Naturally occurring; Road salt; Water softeners; Animal waste.
Disinfection Byproducts								
Total Trihalomethanes[3]	No	Distribution	9/24/2024	1.74	ug/l	N/A	80	Byproduct of drinking water chlorination.
Haloacetic Acids[4]	No	Distribution	9/24/2024	1.35	ug/l	N/A	60	Byproduct of drinking water chlorination.
Unregulated Perfluoroalkyl Substances								
PFHxA	No	Well #1 Well #2	2024 Quarterly	1.95 1.85	ng/l	N/A	N/A	There are no regulations establishing an MCL for these compounds currently. Released into the environment through widespread use in commercial and industrial applications.
PFBA	No	Well #1	2024 Quarterly	2.01	ng/l	N/A	N/A	There are no regulations establishing an MCL for these compounds currently. Released into the environment through widespread use in commercial and industrial applications.
PFPeA	No	Well #1 Well #2	2024 Quarterly	2.38-2.76 1.86	ng/l	N/A	N/A	There are no regulations establishing an MCL for these compounds currently. Released into the environment through widespread use in commercial and industrial applications.

Radiological Contaminants								
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 prcentile is equal to or greater than 90% of the lead/copper values detected at your water system.
2	Water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets. Water contaning 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).

Nanograms per liter (ng/l): Corresponds to one part of liquid to one trillion parts of liquid (parts per trillion - ppt).

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