



2023 WATER QUALITY REPORT

IN THIS REPORT

- 2-3 Water Quality Table
- 4 Monitoring Unregulated Contaminants
- 5 Glossary

Este informe contiene información importante sobre su agua potable. Pida a alguien que lo traduzca para usted, o hable con alguien que lo entienda.

Water Quality Table

Your water has been tested for more than 100 compounds that are important to public health. The maximum number of compounds detected was 14, all of which were below the amounts allowed by state and federal law. Most of these compounds are naturally occurring. Monitoring frequency varies from daily to once every nine years per EPA regulation, depending on the parameter. Our testing encompasses the full range of regulated inorganic, organic and radiological compounds, and microbiological and physical parameters. Results shown below are for detected compounds only.

SUBSTANCE (Units of Measure)	LIKELY SOURCE	MCLG	MCL	COMPLIANCE	TEST DATE	AVERAGE	RANGE
INORGANIC COMPOUNDS							
Barium (ppm)	Erosion of natural deposits	2	2	YES	2018	0.005	0.005
Copper (ppm)	Corrosion of household plumbing systems	1.3	AL = 1.3	YES	2023	0.21*	
Fluoride (ppm)	Water additive that promotes strong teeth; erosion of natural deposits	4.0	4.0	YES	2018	0.08	0.08
Lead (ppb)	Corrosion of household plumbing systems	0	AL = 15	YES	2023	3**	
Nitrate (ppm)	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	10	10	YES	2023	0.19	0.19

DISINFECTANT							
Chlorine (ppm)	Water additive used to control microbes	MRDLG = 4	MRDL = 4	YES	2023	0.46	0.34 - 0.60

ORGANIC COMPOUNDS							
Haloacetic Acids 5 (ppb)	By-product of drinking water chlorination	NA	60	YES	2023	4	4
Total Trihalomethanes (ppb)	By-product of drinking water chlorination	NA	80	YES	2023	18	18

Continued on page 3

SUBSTANCE (Units of Measure)	LIKELY SOURCE	MCLG	MCL	COMPLIANCE	TEST DATE	AVERAGE	RANGE
STATE-REQUIRED TESTING — PHYSICAL CHARACTERISTICS[▲]							
Color (CU)	Natural organic matter such as decaying leaves; naturally occurring iron and manganese	NA	15	YES	2023	1	1 - 2
pH	Naturally occurring; water treatment processes	NA	6.4 - 10.0	YES	2023	7.6	7.4 - 7.8
Turbidity (NTU)	Sediment particles; naturally occurring iron and manganese; soil runoff	NA	5	YES	2023	0.15	0.10 - 0.20

STATE-REQUIRED TESTING — INORGANIC COMPOUNDS							
Chloride (ppm)	Naturally present in the environment	NA	250	YES	2018	56	56
Sodium (ppm)	Water treatment processes; use of road salt; naturally present in the environment	NA	NL = 28	NA	2018	15	15
Sulfate (ppm)	Naturally present in the environment	NA	SMCL = 250	NA	2018	11	11

FOOTNOTES

◆ 90th percentile value in copper monitoring. Result is representative of customer sampling stagnant water. No locations exceeded the action level for copper. Highest 90th percentile value shown.

◆◆ 90th percentile value in lead monitoring. Result is representative of customer sampling stagnant water. No locations exceeded the action level for lead. Highest 90th percentile value shown.

▲ Measured at representative locations within the distribution system.

Other Monitored Substances

Hardness in Your System

Hardness is a measure of naturally-occurring minerals, like calcium and magnesium, dissolved in the water. Hardness does not have any negative health effects, so it is not regulated by the EPA or the Connecticut Department of Public Health (CTDPH). These minerals can create a buildup on fixtures and appliances. Please refer to fixture and appliance manufacturer recommendations on addressing buildup.

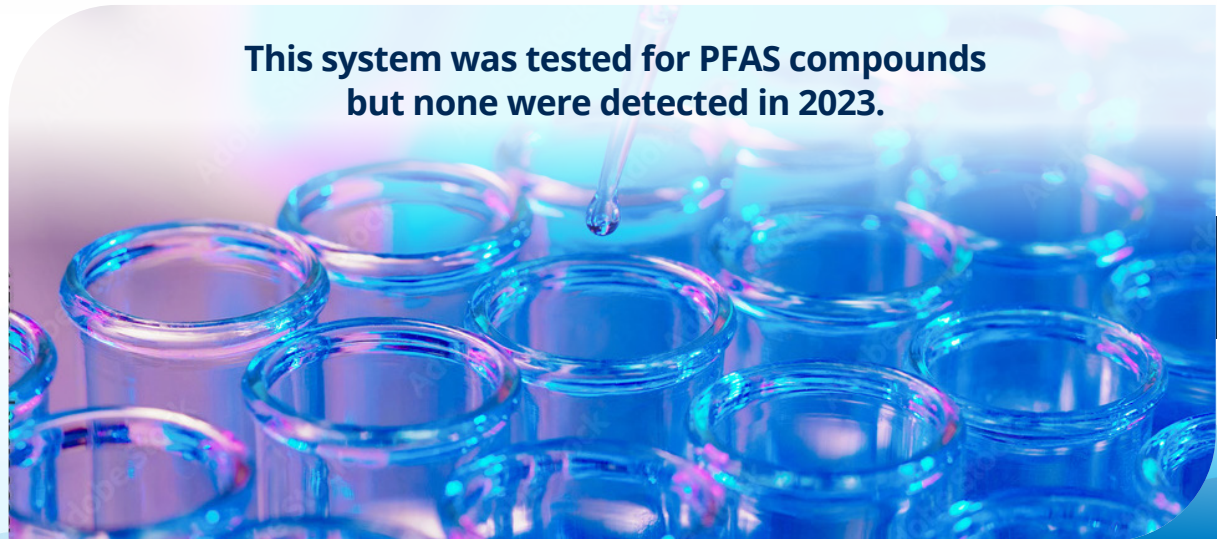
HARDNESS (gpg)	
TEST DATE	2023
AVERAGE	13
RANGE	13
SOURCE	Erosion of natural deposits



Monitoring Unregulated Contaminants

Unregulated contaminants are elements that currently have no health standards assigned for drinking water. This table shows only the compounds detected in your system. To learn about the full list of unregulated contaminants included in the monitoring program, please visit www.epa.gov/dwucmr.

This system was tested for PFAS compounds but none were detected in 2023.



Glossary

These terms may appear in your report.

Definitions

< - Less than

> - Greater than

90th Percentile - Out of every 10 homes sampled, 9 were at or below this level. This number is compared to the action level to determine lead and copper compliance.

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

CU - Color Units

gpg - grains per gallon

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

as feasible using the best available treatment technology.

MCLG - Maximum Contaminant Level Goal: 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.

MRDL - Maximum Residual Disinfectant Level: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG - Maximum Residual Disinfectant Level Goal: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

NA - Not Applicable

ND - Not Detected

NL - State of Connecticut customer notification level

NTU - Nephelometric Turbidity Units, a measure of the presence of particles. Low turbidity is an indicator of high-quality water.

pCi/L - picocuries per liter

ppb - parts per billion, or micrograms per liter (ug/L)

ppm - parts per million, or milligrams per liter (mg/L)

ppt - parts per trillion, or nanograms per liter (ng/L)

SMCL - Secondary Maximum Contaminant Level

TT - Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

Equal to a drop of water in a 10 gallon fish tank.

ppm - parts per million

ppb - parts per billion

Equal to a drop of water in a 10,000 gallon swimming pool.

Equal to a drop of water in 35 Junior Olympic pools.
(10 million gallons)

ppt - parts per trillion



MYSTIC
AQUARIUM

MYSTIC
SEAPORT
MUSEUM



Stamford Museum
& Nature Center



Reel to Real
Diversity Film Series

FREE Admission Tickets

Be sure to take advantage of the special 2-for-1 ticket deals and other offers that Aquarion has arranged for its customers at great Connecticut attractions. Learn more at www.aquarionwater.com/freetickets.