AQUARION Water Company

*Stewards of the Environment™*



# 2024 WATER QUALITY REPORT

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*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. Only the compounds detected are listed in the table, all of which were below the amounts allowed by state and federal law. Most of these compounds are either naturally occurring or introduced as treatment to improve water quality. 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 here 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 | 2024 | 0.036 | 0.036 |
| **Copper (ppm)** | Corrosion of household plumbing systems | 1.3 | AL = 1.3 | ✔ YES | 2024 | 0.23♦ | 0.03 - 0.33 |
| **Lead (ppb)** | | 0 | AL = 15 | ✔ YES | 2024 | 2♦♦ | ND < 1 - 4 |
| **Nitrate (ppm)** | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits | 10 | 10 | ✔ YES | 2024 | 0.18 | 0.18 |
| **DISINFECTANT** | | | | | | | |
| **Chlorine (ppm)** | Water additive used to control microbes | MRDLG = 4 | MRDL = 4 | ✔ YES | 2024 | 0.4 | 0.08 - 0.53 |
| **ORGANIC COMPOUNDS** | | | | | | | |
| **Haloacetic Acids 5 (ppb)** | By-product of drinking water chlorination | NA | 60 | ✔ YES | 2024 | 3 | 2 - 4 |
| **Total Trihalomethanes (ppb)** | | NA | 80 | ✔ YES | 2024 | 12 | 9 - 15 |



*For a list of terms used in this table, please see the glossary on page 5 of this report.*

*Water Quality Table - Continued from page 2*

| 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** | 2024 | 2 | 1 - 6 |
| **pH** | Naturally occurring; water treatment processes | NA | 6.4 - 10.0 | ✔ **YES** | 2024 | 7.2 | 6.6 - 7.9 |
| **Turbidity (NTU)** | Sediment particles; naturally occurring iron and manganese; soil runoff | NA | 5 | ✔ **YES** | 2024 | 0.16 | 0.10 - 0.65 |
| **STATE-REQUIRED TESTING — INORGANIC COMPOUNDS** | | | | | | | |
| **Chloride (ppm)** | Naturally present in the environment | NA | 250 | ✔ **YES** | 2024 | 50 | 50 |
| **Sodium (ppm)** | Water treatment processes; use of road salt; naturally present in the environment | NA | NL = 100 | **NA** | 2024 | 18 | 18 |
| **Sulfate (ppm)** | Naturally present in the environment | NA | SMCL = 250 | **NA** | 2024 | 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.



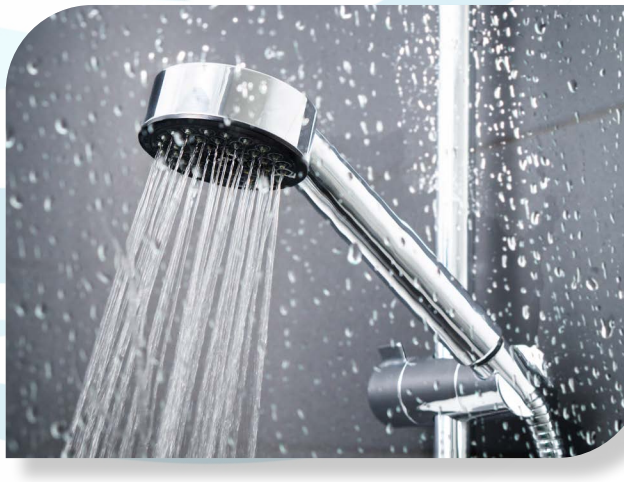
*For a list of terms used in this table, please see the glossary on page 5 of this report.*

# 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 | 2024 |
| AVERAGE | 12 |
| RANGE | 12 |
| SOURCE | Erosion of natural deposits |



## Monitoring Unregulated Contaminants

Unregulated contaminants are elements that currently have no health standards assigned for drinking water. No PFAS compounds were 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**

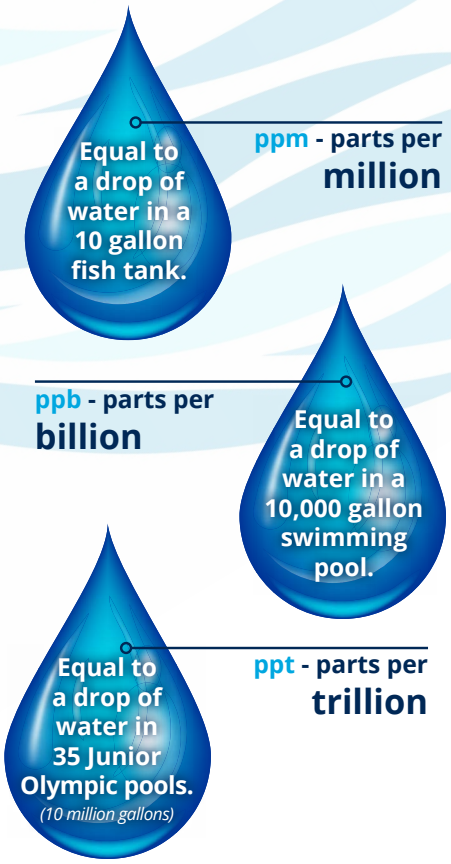
**ppb - parts per billion,** or micrograms per liter (ug/L)

**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:** These standards are developed to protect aesthetic qualities of drinking water and are not health based.

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

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