



# 2023 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. The maximum number of compounds detected was 15, 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
<b>INORGANIC COMPOUNDS</b>							
<b>Barium (ppm)</b>	Erosion of natural deposits	2	2	<b>YES</b>	2023	0.02 <sup>+</sup>	ND < 0.01 - 0.02
<b>Copper (ppm)</b>	Corrosion of household plumbing systems	1.3	AL = 1.3	<b>YES</b>	2023	0.22 <sup>*</sup>	
<b>Fluoride (ppm)</b>	Water additive that promotes strong teeth; erosion of natural deposits	4.0	4.0	<b>YES</b>	2023	0.75 <sup>+</sup>	ND < 0.01 - 0.75
<b>Lead (ppb)</b>	Corrosion of household plumbing systems	0	AL = 15	<b>YES</b>	2023	2 <sup>**</sup>	
<b>Nitrate (ppm)</b>	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	10	10	<b>YES</b>	2023	0.49 <sup>+</sup>	ND < 0.01 - 0.49
<b>MICROBIALS</b>							
<b>Turbidity (NTU)</b>	Water additive used to control microbes	NA	TT = 1 max	<b>YES</b>	2023	0.12 <sup>+</sup>	0.12
<b>Turbidity (NTU)</b>		NA	TT = 95% of Samples < 0.3	<b>YES</b>	2023	100%	
<b>DISINFECTANT</b>							
<b>Chlorine (ppm)</b>	Water additive used to control microbes	MRDLG = 4	MRDL = 4	<b>YES</b>	2023	0.33	< 0.05 - 0.79
<b>ORGANIC COMPOUNDS</b>							
<b>Haloacetic Acids 5 (ppb)</b>	By-product of drinking water chlorination	NA	60	<b>YES</b>	2023	17 <sup>+</sup>	4 - 17
<b>Total Organic Carbon [TOC]</b>	Naturally present in the environment	NA	TT Removal Ratio > 1 <sup>#</sup>	<b>YES</b>	2023	1.5 <sup>+</sup>	1.2 - 1.5
<b>Total Trihalomethanes (ppb)</b>	By-product of drinking water chlorination	NA	80	<b>YES</b>	2023	85 <sup>+</sup>	11 - 85

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SUBSTANCE (Units of Measure)	LIKELY SOURCE	MCLG	MCL	COMPLIANCE	TEST DATE	AVERAGE	RANGE
<b>STATE-REQUIRED TESTING — PHYSICAL CHARACTERISTICS<sup>^</sup></b>							
<b>Color (CU)</b>	Natural organic matter such as decaying leaves; naturally occurring iron and manganese	NA	15	<b>YES</b>	2023	2	1 - 3
<b>pH</b>	Naturally occurring; water treatment processes	NA	6.4 - 10.0	<b>YES</b>	2023	9.2	8.5 - 9.5
<b>Turbidity (NTU)</b>	Sediment particles; naturally occurring iron and manganese; soil runoff	NA	5	<b>YES</b>	2023	0.19	0.10 - 0.30

<b>STATE-REQUIRED TESTING — INORGANIC COMPOUNDS</b>							
<b>Chloride (ppm)</b>	Naturally present in the environment	NA	250	<b>YES</b>	2023	23 <sup>+</sup>	23
<b>Sodium (ppm)</b>	Water treatment processes; use of road salt; naturally present in the environment	NA	NL = 28	<b>NA</b>	2023	15 <sup>+</sup>	15
<b>Sulfate (ppm)</b>	Naturally present in the environment	NA	SMCL = 250	<b>NA</b>	2023	6 <sup>+</sup>	6

FOOTNOTES

- + Highest level detected by the New Britain Water Department.
- ◆ 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.
- # The monthly TOC removal ratio is calculated as the ratio between the actual TOC removed and the TOC rule removal requirements. This number should be greater than 1.
- ▲ Measured at representative locations within the distribution system.

# Other Monitored Substances

## 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](http://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



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