



ABENAKI
Water Company

An Aquarion Company

SUN VALLEY SYSTEM | PWS ID#: NH1052010

2024 WATER QUALITY REPORT

IN THIS REPORT

2-6 Water Quality Table

7 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. Only those compounds detected, all of which were below the amounts allowed by state and federal law, are reported in this table. 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.

SUBSTANCE (Units of Measure)	ACTION LEVEL (AL)	90TH PERCENTILE SAMPLE VALUE*	TEST DATES	NUMBER OF SITES ABOVE AL	VIOLATION YES/NO	LIKELY SOURCE OF CONTAMINATION	RANGE
LEAD AND COPPER							
Copper (ppm)	1.3	0.53*	8/8/24 - 9/8/24	0 out of 30	✓ NO	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives	0.01 - 0.79
Lead (ppb)	15	ND < 1**	8/8/24 - 9/8/24	0 out of 30	✓ NO	Corrosion of household plumbing systems, erosion of natural deposits	ND < 1 - 1

DETECTED WATER QUALITY RESULTS

SUBSTANCE (Units of Measure)	DETECTED LEVEL AVERAGE	DETECTED LEVEL RANGE	TEST DATES	MCLG	MCL	VIOLATION YES/NO	LIKELY SOURCE
INORGANIC SUBSTANCES							
Arsenic (ppb)	2	ND < 1 - 4	4/1/22, 2/5/24, 4/29/24, 7/15/24, 10/7/24	0	5	✓ NO	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	0.012	0.011 - 0.024	4/1/22, 7/13/23, 8/15/23	2	2	✓ NO	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chlorine (ppm)	0.32	0.25 - 0.49	Monthly, 2024	MRDLG = 4	MRDL = 4	✓ NO	Water additive used to control microbes
Chromium (ppb)	4	2 - 6	4/1/22, 7/13/23, 8/15/23	100	100	✓ NO	Discharge from steel and pulp mills; erosion of natural deposits
Nitrate (ppm)	0.94	ND < 0.2 - 1.67	4/30/24, 7/8/24	10	10	✓ NO	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
VOLATILE ORGANIC COMPOUNDS							
Haloacetic Acids 5 [HAA] (ppb)	1	1	8/20/24	N/A	60	✓ NO	By-product of drinking water chlorination
Total Trihalomethanes [TTHM] (ppb)	17	17	8/20/24	N/A	80	✓ NO	

SUBSTANCE (Units of Measure)	DETECTED LEVEL AVERAGE	DETECTED LEVEL RANGE	TEST DATES	MCLG	MCL	VIOLATION YES/NO	LIKELY SOURCE
PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)							
Perfluorooctane sulfonic acid [PFOS] (ppt)	2	ND < 2 - 6.07	4/3/23, 1/11/24, 2/5/24, 4/15/24, 7/23/24, 10/8/24, 11/12/24	0	15	✓ NO	Discharge from industrial processes, wastewater treatment, residuals from firefighting foam, runoff/leachate from landfills and septic systems
Perfluorooctanoic acid [PFOA] (ppt)	4	3 - 6.64	4/3/23, 1/11/24, 2/5/24, 4/15/24, 7/23/24, 10/8/24, 11/12/24	0	12	✓ NO	
Note: PFHxS and PFNA were not detected.							
UNREGULATED PFAS COMPOUNDS							
Perfluorobutane Sulfonic Acid [PFBS] (ppt)	2	ND < 2 - 3	4/3/23, 1/11/24, 2/5/24, 4/15/24, 7/23/24, 10/8/24, 11/12/24	0	N/A	N/A	Discharge from industrial processes, wastewater treatment, residuals from firefighting foam, runoff/leachate from landfills and septic systems
Perfluorobutanoic Acid [PFBA] (ppt)	2	ND < 2 - 4	4/3/23, 1/11/24, 2/5/24, 4/15/24, 7/23/24, 10/8/24, 11/12/24	0	N/A	N/A	
Perfluoroheptanoic Acid [PFHpA] (ppt)	ND < 2	ND < 2 - 2	4/3/23, 1/11/24, 2/5/24, 4/15/24, 7/23/24, 10/8/24, 11/12/24	0	N/A	N/A	
Perfluorohexanoic Acid [PFHxA] (ppt)	3	ND < 2 - 8	4/3/23, 1/11/24, 2/5/24, 4/15/24, 7/23/24, 10/8/24, 11/12/24	0	N/A	N/A	
Perfluoropentanoic Acid [PFPeA] (ppt)	4	ND < 2 - 16	4/3/23, 1/11/24, 2/5/24, 4/15/24, 7/23/24, 10/8/24, 11/12/24	0	N/A	N/A	

SUBSTANCE (Units of Measure)	AVERAGE	RANGE	TEST DATES	SMCL	50% AMBIENT GROUNDWATER QUALITY STANDARD	AMBIENT GROUNDWATER QUALITY STANDARD	SPECIFIC CRITERIA AND REASON FOR MONITORING
SECONDARY CONTAMINANTS							
Chloride (ppm)	118	118	7/30/24	250	N/A	N/A	Wastewater, road salt, water softeners, corrosion
Manganese (ppm)	0.017	0.017	7/30/24	0.05	0.15	0.3	Geological
Nickel (ppm)	0.0024	0.0024	7/30/24	Not established; reporting is required for detections	0.005	0.01	Geological; electroplating, battery production, ceramics
pH	7.2	7.2	7/30/24	6.5 - 8.5	N/A	N/A	Precipitation and geology
Sodium (ppm)	58	58	7/30/24	100 - 250	N/A	N/A	We are required to regularly sample for sodium
Sulfate (ppm)	52	52	7/30/24	250	250	250	Naturally occurring
Zinc (ppm)	0.0084	0.0084	7/30/24	5	N/A	N/A	Galvanized pipes

ADDITIONAL TESTS (Units of Measure)	AVERAGE	RANGE	TEST DATES	TREATMENT TECHNIQUE (IF ANY)	SPECIFIC CRITERIA AND REASON FOR MONITORING
ADDITIONAL TESTING - FIFTH UNREGULATED CONTAMINANTS MONITORING RULE (UCMR5)					
The following substances are included as part of the EPA's UCMR5 effort. Every five years, EPA issues a list of unregulated contaminants that public water systems, including Aquarion Water, must monitor for. UCMR5 data helps EPA determine national occurrence of unregulated compounds and make decisions about future regulations and other actions to protect public health under the Safe Drinking Water Act.					
Lithium (ppb)	ND < 9	ND < 9 - 25	5/7/24, 11/5/24	N/A	Federal monitoring requirement
Perfluorobutanoic Acid [PFBA] (ppt)	ND < 2	ND < 2 - 5	5/7/24, 11/5/24	N/A	
Perfluorohexanoic Acid [PFHxA] (ppt)	2	ND < 2 - 10	5/7/24, 11/5/24	N/A	
Perfluoropentanoic Acid [PFPeA] (ppt)	5	ND < 2 - 25	5/7/24, 11/5/24	N/A	

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.

Health Effects - Sodium: Sodium-sensitive individuals such as those experiencing hypertension, kidney failure, or congestive heart failure, who drink water containing sodium should be aware of levels where exposures are being carefully controlled.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Note: PFOS, PFOA, PFHxS and PFNA were not detected.

SUBSTANCE (Units of Measure)	DETECTED LEVEL AVERAGE	DETECTED LEVEL RANGE	TEST DATES	TREATMENT TECHNIQUE (IF ANY)	SMCL	50% AMBIENT GROUNDWATER QUALITY STANDARD	AMBIENT GROUNDWATER QUALITY STANDARD	SPECIFIC CRITERIA AND REASON FOR MONITORING
SECONDARY CONTAMINANTS								
Chloride (ppm)	118	118	7/30/24		250	N/A	N/A	Wastewater, road salt, water softeners, corrosion
Manganese (ppm)	0.017	0.017	7/30/24		0.05	0.15	0.3	Geological
Nickel (ppm)	0.0024	0.0024	7/30/24		Not established; reporting is required for detections	0.005	0.01	Geological; electroplating, battery production, ceramics
pH	7.2	7.2	7/30/24		6.5 - 8.5	N/A	N/A	Precipitation and geology
Sodium (ppm)	58	58	7/30/24		100 - 250	N/A	N/A	We are required to regularly sample for sodium
Sulfate (ppm)	52	52	7/30/24		250	250	250	Naturally occurring
Zinc (ppm)	0.0084	0.0084	7/30/24		5	N/A	N/A	Galvanized pipes

VIOLATIONS	DATE OF VIOLATIONS	EXPLANATION OF VIOLATION	LENGTH OF VIOLATION	ACTION TAKEN TO RESOLVE VIOLATION	HEALTH EFFECTS
Public Notice	10/22/24	We are required to submit a quarterly report of the results from chlorine and disinfection byproduct (DBP) monitoring. The report for quarter 3 (July - September) 2024 was submitted to DES after the deadline. All samples were collected on time. This was an administrative error.	Immediately corrected on 10/22/2024	The report was sent to DES upon notification of the violation occurring. The violation was closed by DES on 10/23/2024.	N/A
Monitoring and Reporting	12/31/24	In the month of December, only 14 of the required 15 samples were taken.	One week	In January 2025, a public notice was sent with the fourth quarter billing to all Seabrook water consumers.	N/A

PUBLIC NOTICE	TEST DATE	EXPLANATION OF SITUATION	COMPLIANCE PERIOD	ADDITIONAL INFORMATION
Availability of Unregulated Contaminants Rule (UCMR) Monitoring Results	5/7/24, 11/5/24	As required by US Environmental Protection Agency (EPA), our water system sampled for a series of unregulated contaminants in 2024. Unregulated contaminants are those for which there are no established drinking water standards. The data from this monitoring helps EPA determine national occurrence of unregulated compounds and make decisions about future regulations and other actions to protect public health under the Safe Drinking Water Act.	2024	<p>You do not have to do anything at this time. As our customers, you have a right to know that this data is available. Results for all detected compounds are included in this report.</p> <p>You may share this information with other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, food establishments, medical facilities and businesses).</p> <p>If you want to speak with someone at Aquarion about these results, please contact us at 800-732-9678 or waterquality@aquarionwater.com.</p>

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.

Ambient Groundwater Quality Standards - The maximum concentration levels for regulated contaminants in groundwater which result from human operations or activities.

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

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

RAA - Running Annual Average.

The average of four consecutive quarters of data.

SMCL - Secondary Maximum Contaminant Level: 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.

ppm - parts per million

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

ppb - parts per billion

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

ppt - parts per trillion

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