2025 Q2 Water Testing Results

The tables on the following pages show results of the Regional Water Authority's water quality testing for regulated compounds from September 2024 to June 2025.

Results, as well as the minimum reporting limit (MRL), are listed in parts per billion. The Regional Water Authority has contracted with American Water's national laboratory to conduct these tests. In accordance with the EPA's reporting parameters and American Water's standard reporting methodology, test results with a value less than the MRL are listed as "<MRL" or less than the minimum reporting limit. For results with a value at or higher than the MRL, the actual result is listed. An entry of "NA" indicates testing was not required during this period.

[Next Page]

MILL RIVER AQUIFER
Water Quality Testing Results Q3 2024-Q2 2025

Regional **Water** Authority
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Analyte	Mt. Carmel Well Field					South Giant Well Field					North Giant Well Field					Benchmarks
	24-Sep	24-Dec	25-Mar	25-Jun	Running Annual Average	24-Sep	24-Dec	25-Mar	25-Jun	Running Annual Average	24-Sep	24-Dec	25-Mar	25-Jun	Running Annual Average	MRL (ng/L)
PFNA*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4
PFHxS*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFBS*‡	<MRL	<MRL	<MRL	<MRL	N/A	<MRL	<MRL	<MRL	<MRL	N/A	<MRL	N/A	<MRL	<MRL	N/A	3
HFPO-DA*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
Hazard Index	0.000	0.0000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	1 (unitless)
PFOS*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4.8	4.0	2.2	<MRL	<MRL	<MRL	<MRL	<MRL	4.0
PFOA*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4.0
PFHxA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
9CL-PF3ONS	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	2
11CL-PF3OUdS	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
PFBA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
PFHpA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
ADONA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFDA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFUnA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	2
NEtFOSAA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
NMeFOSAA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	6
PFDoA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFTrDA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	7
PFTA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	8

Compound regulated by EPA

‡ *PFBS is not averaged as it is not regulated as an individual compound; however, it is included in the Hazard Index calculation.*

Key:

MRL: Method Reporting Limit, the lowest concentration of a chemical that a laboratory can reliably detect in a sample. For purposes of averaging, per regulation, results below the MRL (shown as "<MRL") are counted as zero.

ng/L: nanograms per liter (equivalent to parts per trillion)

QUINNIPIAC RIVER AQUIFER

Water Quality Testing Results Q3 2024-Q2 2025

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Analyte	South Cheshire Well Field					North Cheshire Well Field					Benchmarks
	24-Sep	24-Dec	25-Mar	25-Jun	Running Annual Average	24-Sep	24-Dec	25-Mar	25-Jun	Running Annual Average	MRL (ng/L)
PFNA*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4
PFHxS*	<MRL	<MRL	3.3000	<MRL	0.8000	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFBS*†	<MRL	3.4	3.1	<MRL	N/A	<MRL	<MRL	<MRL	<MRL	N/A	3
HFPO-DA*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
Hazard Index	0.00000	0.0017	0.332	0.00000	0.084	0.000	0.0000	0.000	0.000	0.000	1 (unitless)
PFOS*	7.5	9.4	11.5	9.1	9.4	<MRL	<MRL	<MRL	<MRL	<MRL	4.0
PFOA*	5.5	4.7	4.8	4.8	5.0	<MRL	<MRL	<MRL	<MRL	<MRL	4.0
PFHxA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
9CL-PF3ONS	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	2
11CL-PF3OUdS	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
PFBA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
PFHpA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
ADONA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFDA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFUnA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	2
NEtFOSAA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
NMeFOSAA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	6
PFDoA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFTrDA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	7
PFTA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	8

* Compound regulated by EPA

† PFBS is not averaged as it is not regulated as an individual compound; however, it is included in the Hazard Index calculation.

Key:
MRL: Method Reporting Limit, the lowest concentration of a chemical that a laboratory can reliably detect in a sample. For purposes of averaging, per regulation, results below the MRL (shown as "<MRL") are counted as zero.
ng/L: nanograms per liter (equivalent to parts per trillion)

HOUSATONIC RIVER AQUIFER

Water Quality Testing Results Q3 2024-Q2 2025

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Analyte	Derby Well Field					Seymour Well Field					Benchmarks
	24-Sep	24-Dec	25-Mar	25-Jun	Running Annual Average	24-Sep	24-Dec	25-Mar		Running Annual Average	MRL (ng/L)
PFNA*	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4
PFHxS*	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFBS*†	<MRL	<MRL	Out of Svc.	Out of Svc.	N/A	<MRL	<MRL	<MRL	<MRL	N/A	3
HFPO-DA*	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
Hazard Index	0.000	0.0000	Out of Svc.	Out of Svc.	0.000	0.000	0.0000	0.000	0.000	0.000	1 (unitless)
PFOS*	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4.0
PFOA*	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4.0
PFHxA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
9CL-PF3ONS	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	2
11CL-PF3OUdS	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
PFBA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
PFHpA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
ADONA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFDA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFUnA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	2
NEtFOSAA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
NMeFOSAA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	6
PFDoA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFTrDA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	7
PFTA	<MRL	<MRL	Out of Svc.	Out of Svc.	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	8

* Compound regulated by EPA

† PFBS is not averaged as it is not regulated as an individual compound; however, it is included in the Hazard Index calculation.

Key:

MRL: Method Reporting Limit, the lowest concentration of a chemical that a laboratory can reliably detect in a sample. For purposes of averaging, per regulation, results below the MRL (shown as "<MRL") are counted as zero.

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WATER TREATMENT PLANTS - EAST
Water Quality Testing Results Q3 2024-Q2 2025

Analyte	Lake Gaillard WTP					Lake Saltonstall WTP					Benchmarks
	24-Sep	24-Dec	25-Mar	25-Jun	Running Annual Average	24-Sep	24-Dec	25-Mar	25-Jun	Running Annual Average	MRL (ng/L)
PFNA*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4
PFHxS*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFBS*†	<MRL	<MRL	<MRL	<MRL	N/A	<MRL	<MRL	<MRL	<MRL	N/A	3
HFPO-DA*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
Hazard Index	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.000	0.000	1 (unitless)
PFOS*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4.0
PFOA*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4.0
PFHxA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
9CL-PF3ONS	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	2
11CL-PF3OUdS	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
PFBA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
PFHpA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
ADONA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFDA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFUnA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	2
NEtFOSAA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
NMeFOSAA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	6
PFDoA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFTrDA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	7
PFTA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	8

* Compound regulated by EPA

† PFBS is not averaged as it is not regulated as an individual compound; however, it is included in the Hazard Index calculation.

Key:

MRL: Method Reporting Limit, the lowest concentration of a chemical that a laboratory can reliably detect in a sample. For purposes of averaging, per regulation, results below the MRL (shown as "<MRL") are counted as zero.

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WATER TREATMENT PLANTS - WEST
Water Quality Testing Results Q3 2024-Q2 2025

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Analyte	West River WTP					Lake Whitney WTP					Benchmarks
	24-Sep	24-Dec	25-Mar	25-Jun	Running Annual Average	24-Sep	24-Dec	25-Mar	25-Jun	Running Annual Average	MRL (ng/L)
PFNA*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4
PFHxS*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFBS*†	<MRL	<MRL	<MRL	<MRL	N/A	<MRL	<MRL	<MRL	<MRL	N/A	3
HFPO-DA*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
Hazard Index	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1 (unitless)
PFOS*	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	4.0
PFOA*	<MRL	<MRL	<MRL	<MRL	<MRL	4.0000	<MRL	<MRL	<MRL	1.0	4.0
PFHxA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
9CL-PF3ONS	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	2
11CL-PF3OUdS	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
PFBA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
PFHpA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
ADONA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFDA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFUnA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	2
NEtFOSAA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	5
NMeFOSAA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	6
PFDoA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	3
PFTrDA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	7
PFTA	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	<MRL	8

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