

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Contaminant Monitoring Rule 5 (UCMR 5)

Every five years the EPA issues a regulation called the Unregulated Contaminant Monitoring Rule (UCMR), which lists 20 to 30 unregulated contaminants that must be monitored for by large public water systems. Used as a tool to find unregulated contaminants of concern in drinking water, the EPA can then determine whether to set drinking water standards or to require water providers to use certain treatment systems to reduce or eliminate these contaminants.

The UCMR 5 monitoring, which started in January 2023 and will continue through 2025, contains sampling and testing requirements for 30 chemicals:

- EPA Method 200.7 Rev. 2, Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry: Lithium
- EPA Method 533 Rev. 3.2, Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid, 1H,1H,2H,2H-Perfluorodecane Sulfonic Acid, 1H,1H,2H,2H-Perfluorohexane Sulfonic Acid, 1H,1H,2H,2H-Perfluorooctane Sulfonic Acid, 4,8-Dioxa-3H-perfluorononanoic Acid, 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid, Hexafluoropropylene Oxide Dimer Acid, Nonafluoro-3-6-dioxaheptanoic Acid, Perfluoro(2-ethoxyethane)sulfonic Acid, Perfluoro-3-methoxypropanoic Acid, Perfluoro-4-methoxybutanoic Acid, Perfluorobutanesulfonic Acid, Perfluorobutanoic Acid, Perfluorodecanoic Acid, Perfluorododecanoic Acid, Perfluoroheptanesulfonic Acid, Perfluoroheptanoic Acid, Perfluorohexanesulfonic Acid, Perfluorohexanoic Acid, Perfluorononanoic Acid, Perfluorooctanesulfonic Acid, Perfluorooctanoic Acid, Perfluoropentanesulfonic Acid, Perfluoropentanoic Acid, Perfluoroundecanoic Acid
- EPA Method Method 537.1 Rev. 3, Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS): N-ethyl Perfluorooctanesulfonamidoacetic Acid, N-methyl Perfluorooctanesulfonamidoacetic Acid, Perfluorotetradecanoic Acid, Perfluorotridecanoic Acid

The UCMR 5 test results for each chemical detected, or found above the reporting level, are listed in the charts found on pages 6 through 8 for each distribution area tested in 2023.

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.004	ND	68	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.005	ND	68	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	0.006	ND	68	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	0.005	ND	68	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	0.006	ND	68	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.006	ND	68	No	ND	ND	ND	2	No	NA	NA	NA	0

* Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Contaminant Monitoring Rule 5 (UCMR 5)

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorobutanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluoroheptanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorohexanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorononanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	2	No	NA	NA	NA	0
Perfluoropentanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	2	No	NA	NA	NA	0

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	2
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	2
Perfluorobutanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	2
Perfluoroheptanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	2
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	2
Perfluorohexanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	0.003	ND	6	No	ND	ND	ND	2
Perfluorononanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	2
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	2
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	2
Perfluoropentanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	0.003	ND	6	No	ND	ND	ND	2

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	54	No	NA	NA	NA	0	No	ND	ND	ND	34
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.004	ND	54	No	NA	NA	NA	0	No	ND	ND	ND	34
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.009	ND	54	No	NA	NA	NA	0	No	ND	0.007	ND	34
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.005	ND	54	No	NA	NA	NA	0	No	ND	ND	ND	34
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.011	ND	54	No	NA	NA	NA	0	No	ND	0.006	ND	34
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.010	ND	54	No	NA	NA	NA	0	No	ND	0.007	ND	34
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	54	No	NA	NA	NA	0	No	ND	ND	ND	34
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	0.017	ND	54	No	NA	NA	NA	0	No	ND	0.004	ND	34
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	0.006	ND	54	No	NA	NA	NA	0	No	ND	0.006	ND	34
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.009	ND	54	No	NA	NA	NA	0	No	ND	0.013	ND	34

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	0.024	ND	28	No	ND	ND	ND	14	No	ND	ND	ND	24
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	28	No	ND	ND	ND	14	No	ND	0.004	ND	24
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.007	ND	28	No	ND	0.010	ND	14	No	ND	0.013	ND	24
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.010	ND	28	No	ND	ND	ND	14	No	ND	ND	ND	24
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.004	ND	28	No	ND	0.007	ND	14	No	ND	ND	ND	24
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.018	ND	28	No	ND	0.043	0.007	14	No	ND	0.011	ND	24
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	28	No	ND	ND	ND	14	No	ND	ND	ND	24
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	28	No	ND	ND	ND	14	No	ND	0.004	ND	24
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	28	No	ND	ND	ND	14	No	ND	ND	ND	24
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.024	0.004	28	No	ND	0.039	0.006	14	No	ND	0.017	ND	24

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Unregulated Contaminant Monitoring Rule 5 (UCMR 5)

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG of HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG of HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 57					Distribution Area 64					Distribution Area EFWD				
Detected Compound	Likely Source	MCL	MCLG of HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area RSWD					Distribution Area SBWD					Distribution Area WNWD				
Detected Compound	Likely Source	MCL	MCLG of HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorobutanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluoroheptanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorohexanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorononanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluoropentanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2

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WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.004	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.040†	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.007	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.013	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.007	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	0.006	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	0.002	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.008	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.006	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	59	No	ND	ND	ND	69
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	59	No	ND	ND	ND	69
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	59	No	ND	ND	ND	69
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	24	No	ND	0.003	ND	59	No	ND	0.002	ND	69
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	24	No	ND	0.002	ND	59	No	ND	0.002	ND	69
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	24	No	ND	0.005	ND	59	No	ND	0.005	ND	69
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	59	No	ND	ND	ND	69
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	59	No	ND	ND	ND	69
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	24	No	ND	0.008	ND	59	No	ND	0.006	ND	69

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	416	No	ND	ND	ND	18	No	ND	ND	ND	277
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.006	ND	416	No	ND	ND	ND	18	No	ND	0.005	ND	277
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.015	ND	416	No	ND	ND	ND	18	No	ND	0.008	ND	277
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.006	ND	416	No	ND	ND	ND	18	No	ND	0.004	ND	277
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.013	ND	416	No	ND	ND	ND	18	No	ND	0.010	ND	277
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.012	ND	416	No	ND	ND	ND	18	No	ND	0.015	0.002	277
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	0.003	ND	416	No	ND	ND	ND	18	No	ND	0.006	ND	277
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	0.002	ND	416	No	ND	ND	ND	18	No	ND	0.003	ND	277
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.015	0.002	416	No	ND	ND	ND	18	No	ND	0.017	0.002	277

† The sample from 12/13/2023 had Perfluorobutanoic Acid result of 40ppt. The results are due to Perfluorobutanoic Acid contamination during the extraction process. An additional sample was collected on 01/03/2024 and the Perfluorobutanoic Acid was non-detect.

* Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG of HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	0.022	ND	176	No	ND	ND	ND	45	No	ND	ND	ND	160
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.002	ND	176	No	ND	ND	ND	45	No	ND	0.005	ND	160
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.006	ND	176	No	ND	0.008	ND	45	No	ND	0.031	ND	160
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.007	ND	176	No	ND	0.002	ND	45	No	ND	0.002	ND	160
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.006	ND	176	No	ND	0.008	ND	45	No	ND	0.002	ND	160
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.014	ND	176	No	ND	0.045	0.005	45	No	ND	0.004	ND	160
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	176	No	ND	ND	ND	45	No	ND	ND	ND	160
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	176	No	ND	ND	ND	45	No	ND	ND	ND	160
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.025	ND	176	No	ND	0.037	0.004	45	No	ND	0.006	ND	160

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG of HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG of HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 57					Distribution Area 64					Distribution Area EFWD				
Detected Compound	Likely Source	MCL	MCLG of HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6

* Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area RSWD					Distribution Area SBWD					Distribution Area WNWD				
Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	13
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.003	ND	13
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	13
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.003	ND	13
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	13
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.002	ND	13
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	13
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	13
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.003	ND	13



* Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG OR HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533																			
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and industrial applications.	*0.010	n/a	ug/L	No	ND	0.035	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.006	ND	559	No	ND	ND	ND	12	No	ND	ND	ND	14

					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG OF HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533																			
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.002	ND	68	No	ND	ND	ND	6	No	ND	ND	ND	12

					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG of HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533																			
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010	n/a	ug/L	No	ND	ND	ND	24	No	ND	0.002	ND	59	No	ND	0.004	ND	69
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	24	No	ND	0.002	ND	59	No	ND	0.005	ND	69

					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533																			
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010	n/a	ug/L	No	ND	0.012	ND	416	No	ND	ND	ND	18	No	ND	0.007	ND	277
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.008	ND	416	No	ND	ND	ND	18	No	ND	0.008	0.002	277

					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533																			
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010	n/a	ug/L	No	ND	0.005	ND	176	No	ND	ND	ND	45	No	ND	0.004	ND	160
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.003	ND	176	No	ND	0.003	ND	45	No	ND	0.003	ND	160

					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533																			
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010	n/a	ug/L	No	ND	0.002	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	10

* August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctanesulfonic Acids (PFOS), see page 34.

** Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

WATER QUALITY DATA BY DISTRIBUTION AREA

Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533																			
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	28	No	ND	ND	ND	46

					Distribution Area 57					Distribution Area 64					Distribution Area EFWD				
Detected Compound	Likely Source	MCL	MCLG of HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533																			
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	11	No	ND	ND	ND	6

					Distribution Area RSWD					Distribution Area SBWD					Distribution Area WNWD				
Detected Compound	Likely Source	MCL	MCLG OR HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533																			
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.007	0.002	13
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.006	0.002	13

* August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctanesulfonic Acid (PFOS), see page 34.

** Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.



WATER QUALITY DATA BY DISTRIBUTION AREA

Pharmaceuticals and Personal Care Products (PPCPs) Monitoring

PPCPs are a diverse collection of thousands of chemical substances, including prescription and over the counter therapeutic drugs, veterinary drugs, fragrances, cosmetics, lotions such as sunscreen and insect repellents, diagnostic agents and vitamins. PPCPs from bodily excretion, bathing, and disposal of unwanted medications to septic systems, sewers or trash have the potential to enter our drinking water. Information on how to properly dispose of unwanted pharmaceuticals can be found at the link below:

<https://nepis.epa.gov/Exe/tiff2png.cgi/P1007BCE.PNG?-r+75+-g+7+D%3A%5CZYFILES%5CINDEX%20DATA%5C06THRU10%5CTIFF%5C00000773%5CP1007BCE.TIF%20>

The detection and quantification of these chemicals has only recently been possible due to advances in laboratory testing technology.

Presently the EPA has no health standards or guidelines for PPCPs in drinking water and does not require testing. In 2023 all of our wells were tested for 35 PPCPs; Acesulfame-K, Carbamazepine, Gemfibrozil, Glycyrrhizic Acid, 5-(4-Hydroxyphenyl)-5-Phenylhydantoin, Ibuprofen, Imidacloprid, Meprobamate, Phenobarbital, Primidone, Saccharin, Secobarbital, Sodium Cyclamate, Sucralose and Sulfamethoxazole were detected. The concentrations found are at levels far below medical doses, and have no known health effects.

Wherever possible, we are using granular activated carbon filtration and blending wells to remove these trace levels from the water we provide to you. Information on these pharmaceutical drugs and the results for each distribution area can be found in the tables below and on pages 15-16.

					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	2.55	0.06	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	0.28	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	0.31	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.51	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	0.15	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.16	ND	343	No	ND	ND	ND	8	No	ND	0.07	ND	10
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.06	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.32	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	3.95	0.08	343	No	ND	ND	ND	8	No	ND	ND	ND	10
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	0.08	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	10

					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.27	ND	45	No	ND	ND	ND	4	No	ND	0.17	0.07	8
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.05	ND	45	No	ND	ND	ND	4	No	ND	0.06	ND	8
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8

					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.14	0.05	20	No	ND	0.39	0.07	37	No	ND	1.43	0.15	43
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	0.12	ND	37	No	ND	ND	ND	43
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	0.11	ND	37	No	ND	0.47	0.06	43
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	43

WATER QUALITY DATA BY DISTRIBUTION AREA

Pharmaceuticals and Personal Care Products (PPCPs) Monitoring (cont'd)

					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	2.44	0.13	275	No	ND	0.51	0.07	15	No	ND	3.29	0.29	192
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	275	No	ND	ND	ND	15	No	ND	0.07	ND	192
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	0.06	ND	275	No	ND	ND	ND	15	No	ND	0.07	ND	192
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	275	No	ND	ND	ND	15	No	ND	ND	ND	192
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	0.17	ND	275	No	ND	ND	ND	15	No	ND	ND	ND	192
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	0.39	ND	275	No	ND	ND	ND	15	No	ND	0.21	ND	192
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	0.07	ND	275	No	ND	ND	ND	15	No	ND	ND	ND	192
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	0.05	ND	275	No	ND	ND	ND	15	No	ND	ND	ND	192
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.46	ND	275	No	ND	ND	ND	15	No	ND	0.07	ND	192
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	275	No	ND	ND	ND	15	No	ND	ND	ND	192
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.39	ND	275	No	ND	ND	ND	15	No	ND	0.05	ND	192
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	275	No	ND	ND	ND	15	No	ND	ND	ND	192
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.18	ND	275	No	ND	ND	ND	15	No	ND	ND	ND	192
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	3.16	0.30	275	No	ND	0.34	0.05	15	No	ND	3.20	0.38	191
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	275	No	ND	ND	ND	15	No	ND	ND	ND	192

					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.84	0.14	130	No	ND	1.01	0.31	29	No	ND	2.09	0.16	133
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	ND	ND	29	No	ND	ND	ND	133
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	ND	ND	29	No	ND	ND	ND	133
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	0.13	ND	29	No	ND	ND	ND	133
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	ND	ND	29	No	ND	ND	ND	133
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	ND	ND	29	No	ND	0.11	ND	133
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	0.07	ND	130	No	ND	ND	ND	29	No	ND	0.18	ND	133
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	ND	ND	29	No	ND	ND	ND	133
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	ND	ND	29	No	ND	ND	ND	133
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	ND	ND	29	No	ND	ND	ND	133
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.06	ND	130	No	ND	2.15	0.16	29	No	ND	ND	ND	133
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	ND	ND	29	No	ND	0.34	ND	133
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	0.08	ND	29	No	ND	0.05	ND	133
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.97	0.14	130	No	ND	0.75	0.30	29	No	ND	1.18	0.21	133
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	130	No	ND	ND	ND	29	No	ND	ND	ND	133

					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	0.11	ND	6	No	ND	ND	ND	10
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.05	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.06	ND	6	No	ND	0.08	0.05	6	No	ND	ND	ND	10
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10

					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.10	0.06	6	No	ND	0.13	ND	19	No	ND	ND	ND	30
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.23	0.11	6	No	ND	0.09	ND	19	No	ND	ND	ND	30
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	19	No	ND	ND	ND	30

WATER QUALITY DATA BY DISTRIBUTION AREA

Pharmaceuticals and Personal Care Products (PPCPs) Monitoring (cont'd)

					Distribution Area 57					Distribution Area 64					Distribution Area EFWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.22	0.14	6	No	ND	0.17	0.06	10	No	ND	ND	ND	6
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.65	0.29	6	No	ND	0.30	0.11	10	No	ND	ND	ND	6
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6

					Distribution Area RSWD					Distribution Area SBWD					Distribution Area WNWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	0.18	0.06	4	No	ND	0.60	0.15	9
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.23	0.08	9
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.06	ND	9
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.06	ND	2	No	ND	ND	ND	4	No	ND	0.90	0.23	9
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9

SAFE DISPOSAL OF PHARMACEUTICALS



Pharmaceutical contamination of drinking water is an important emerging concern. Changing our practices today can prevent future pollution of our only source of drinking water. Become a part of the solution to help stop the threat of discarded pharmaceuticals finding their way into our groundwater, bays and estuaries. Simply take your unused medications to any of the safe disposal locations on Long Island: Walgreens and CVS have safe drop boxes and accept medical disposals at specific locations across Long Island. Also, most police precincts in Suffolk County will accept prescription drugs for disposal. A list can be found here:

https://www.health.ny.gov/professionals/narcotic/medication_drop_boxes/suffolk.htm

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts

					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	1.50	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	6
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	6
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	4.59	0.28	471	No	ND	0.75	0.27	8	No	ND	2.12	ND	61
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.15	ND	471	No	ND	ND	ND	8	No	ND	1.89	ND	61
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	0.79	0.10	362	No	0.04	0.08	0.06	8	No	0.05	0.50	0.11	10
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	5.73	0.49	471	No	ND	2.81	0.73	8	No	ND	1.56	ND	61
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.04	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	6
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	4.12	0.26	471	No	ND	ND	ND	8	No	ND	1.76	ND	61
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.87	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	6
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	ND	1.91	0.96	3,884	No	0.41	1.50	1.12	42	No	0.34	1.61	0.97	155
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.86	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	6

(*MCL is the sum of the starred compounds shown above)

					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	1.22	ND	12	No	ND	1.16	ND	6	No	NA	NA	NA	0
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	6	No	NA	NA	NA	0
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	3.34	ND	197	No	ND	0.90	ND	22	No	ND	ND	ND	10
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.15	ND	197	No	ND	0.48	ND	22	No	ND	ND	ND	10
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.03	0.11	0.07	47	No	0.04	0.10	0.07	4	No	0.03	0.07	0.05	8
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.95	ND	197	No	ND	0.56	ND	22	No	ND	0.29	ND	10
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.65	ND	12	No	ND	0.77	ND	6	No	NA	NA	NA	0
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.67	ND	197	No	ND	1.05	ND	22	No	ND	ND	ND	10
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.66	ND	12	No	ND	1.37	ND	6	No	NA	NA	NA	0
Free Chlorine	Used as a disinfectant	4	n/a	mg/l	No	0.30	1.55	0.99	705	No	0.31	1.45	1.01	170	No	0.75	1.42	1.02	60
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	6	No	NA	NA	NA	0

(*MCL is the sum of the starred compounds shown above)

					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	6
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	6
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.02	ND	77	No	ND	0.63	ND	122	No	ND	1.22	ND	190
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.75	ND	77	No	ND	1.59	ND	122	No	ND	0.87	ND	190
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.04	0.26	0.09	18	No	0.04	0.17	0.08	40	No	0.04	0.18	0.08	42
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.22	0.35	77	No	ND	0.98	0.37	122	No	ND	1.15	0.25	190
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	6
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.08	ND	77	No	ND	0.80	ND	122	No	ND	1.21	ND	190
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	6
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.44	1.37	0.96	340	No	0.29	1.58	0.95	698	No	0.35	1.50	1.03	535
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	6

(*MCL is the sum of the starred compounds shown above)

					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	1.89	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	9.20	0.25	556	No	ND	0.75	ND	23	No	ND	4.30	ND	351
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.35	ND	556	No	ND	ND	ND	23	No	ND	0.89	ND	351
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	0.75	0.11	300	No	0.05	0.16	0.07	14	No	0.03	0.70	0.14	209
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	9.35	0.46	556	No	ND	1.10	0.36	23	No	ND	5.58	0.49	351
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.06	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	6.55	ND	556	No	ND	0.61	ND	23	No	ND	2.55	ND	351
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	2.50	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.33	1.60	0.96	2751	No	0.25	1.50	0.94	263	No	0.27	1.81	0.99	2,022
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.69	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12

(*MCL is the sum of the starred compounds shown above)

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts (cont'd)

					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	12	No	ND	1.04	ND	4	No	ND	2.02	0.87	10
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	4	No	ND	ND	ND	10
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.70	ND	210	No	ND	3.40	0.44	55	No	ND	4.61	0.27	184
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.51	ND	210	No	ND	3.00	0.34	55	No	ND	3.41	0.30	184
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.03	0.37	0.13	129	No	0.09	0.26	0.16	33	No	ND	0.52	0.12	118
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	4.19	1.15	210	No	0.31	4.03	1.03	55	No	ND	3.10	0.45	184
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.46	ND	12	No	0.54	1.26	0.84	4	No	0.60	2.38	1.25	10
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.65	ND	210	No	ND	4.95	0.54	55	No	ND	5.47	0.37	184
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	4	No	ND	1.73	ND	10
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.27	1.60	0.95	1,227	No	0.37	1.50	0.88	253	No	0.20	1.55	0.95	863
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	4	No	ND	1.00	ND	10

(*MCL is the sum of the starred compounds shown above)

					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.10	0.30	9	No	ND	1.01	ND	10	No	ND	ND	ND	31
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.35	ND	9	No	ND	0.33	ND	10	No	ND	0.25	ND	31
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.11	0.32	0.20	6	No	0.05	0.11	0.08	6	No	0.07	0.30	0.14	10
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	4.53	2.72	9	No	0.37	2.38	1.77	10	No	ND	0.36	ND	31
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.03	0.29	9	No	ND	1.02	0.25	10	No	ND	0.28	ND	31
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.62	1.64	0.98	63	No	0.50	1.48	1.01	107	No	0.39	1.70	1.08	94
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0

(*MCL is the sum of the starred compounds shown above)

					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	NA	NA	NA	0	No	ND	0.85	ND	8	No	ND	ND	ND	4
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	NA	NA	NA	0	No	ND	1.60	ND	8	No	ND	ND	ND	4
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.10	0.61	10	No	ND	2.48	0.62	28	No	ND	1.80	0.37	35
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.83	0.33	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.09	0.21	0.14	6	No	ND	0.18	0.06	28	No	ND	0.68	0.12	47
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	1.00	2.90	2.00	10	No	ND	11.81	1.46	28	No	ND	6.86	0.91	35
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	8	No	ND	ND	ND	4
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.04	0.63	10	No	ND	0.66	0.26	28	No	ND	0.53	ND	35
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	6.10	1.69	8	No	ND	ND	ND	4
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.44	1.38	0.86	56	No	0.59	1.63	1.08	80	No	0.26	1.80	1.09	142
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	10.55	2.43	8	No	ND	0.77	0.41	4

(*MCL is the sum of the starred compounds shown above)

					Distribution Area 57					Distribution Area 64					Distribution Area EFWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	12
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	12
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.84	0.41	10	No	ND	1.97	0.57	20	No	ND	1.80	0.57	21
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.92	0.27	10	No	ND	1.16	0.37	20	No	ND	0.65	ND	21
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.09	0.23	0.15	6	No	0.12	0.24	0.16	12	No	0.04	0.24	0.11	14
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	0.26	3.10	1.83	10	No	1.08	3.59	2.35	20	No	ND	2.21	0.93	21
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	0.78	0.44	6	No	ND	ND	ND	12
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.03	0.46	10	No	ND	2.29	0.70	20	No	ND	1.21	0.41	21
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	12
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.40	1.33	0.77	56	No	0.65	1.36	0.98	35	No	0.39	1.52	0.91	164
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	12

(*MCL is the sum of the starred compounds shown above)

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts (cont'd)

					Distribution Area RSWD					Distribution Area SBWD					Distribution Area WNWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	1
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	1
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.69	0.35	10	No	ND	0.67	0.27	12	No	ND	0.38	ND	19
Bromoform	Byproduct of chlorination	*80	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	0.26	ND	19
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.05	0.09	0.07	10	No	0.04	0.09	0.07	12	No	0.06	0.34	0.17	9
Chloroform	Byproduct of chlorination	*80	n/a	ug/L	No	0.69	1.60	0.97	10	No	ND	0.80	0.42	12	No	ND	5.07	1.31	19
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	1
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.52	0.25	10	No	ND	0.55	ND	12	No	ND	0.61	ND	19
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	1
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.29	1.32	0.85	56	No	0.39	1.50	0.96	104	No	0.80	1.60	1.12	24
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	ND	ND	ND	1
(**MCL is the sum of the starred compounds shown above)																			

(*MCL is the sum of the starred compounds shown above)

Lead

Elevated levels of lead can cause serious health problems, especially for pregnant women, infants, and young children. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. SCWA is responsible for providing high quality drinking water, but is not responsible for the variety of materials used in a homeowner's plumbing. If you haven't run your water for several hours, you can minimize the potential for lead exposure by running your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. To schedule a lead test, please contact our Customer Contact Center (contact information listed on back page). Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at www.epa.gov/safewater/lead. Additional information at <https://www.scwa.com/leadandcopper/>

Lead and Copper Rule (LCR) Monitoring

This EPA regulation requires public water systems to monitor drinking water at specific customers' taps every three years. To check the effectiveness of our pH treatment and to ensure the quality of our drinking water the SCWA performs this testing every year. If lead levels exceed 15 parts per billion (ppb) or copper levels exceed 1.3 parts per million (ppm) in more than 10% of these samples, we must improve our corrosion control (pH treatment). Based on our 2023 LCR results, we have optimal corrosion control. Additional information on our pH treatment can be found on page 43.

2023 Lead and Copper Test Results

The values reported below for lead and copper represent the 90th percentile of the total number of samples collected in each water system. A percentile is a value on a scale of 100 that indicates the percentage of a distribution that is equal to or below it. For Dering Harbor and West Neck Water Districts (Distribution Area 64 and 66), the 90th percentile is found by averaging the two highest concentrations.

Compound	Unit of Measure	MCLG	Action Level	Likely Source
Lead	ug/l	0	15.0	Household plumbing

Location	Violation Yes/No	Date of Sampling	Number of Samples	Results ug/l	90th Percentile Value (ug/l) ^{1,2}	No. of Samples Over Action Level
SCWA	No	8/08-9/24	52	ND-5.36	1.27	0
Fire Island	No	7/06-8/20	20	ND-4.64	3.41	0
Stony Brook	No	7/24-9/18	21	ND-1.67	ND	0
Riverside	No	8/15-8/21	12	ND-3.17	1.06	0
E. Farmingdale	No	8/23-9/07	21	ND-7.99	1.2	0
Dering Harbor	No	8/09-9/01	5	ND-1.49	ND	0
West Neck	No	8/10-9/27	7	ND-1.46	1.32	0

Compound	Unit of Measure	MCLG	Action Level	Likely Source
Copper	mg/l	1.3	1.3	Household plumbing

Location	Violation Yes/No	Date of Sampling	Number of Samples	Results mg/l	90th Percentile Value (mg/l) ^{1,2}	No. of Samples Over Action Level
SCWA	No	8/08-9/24	52	ND-0.583	0.349	0
Fire Island	No	7/06-8/20	20	ND-0.674	0.567	0
Stony Brook	No	7/24-9/18	21	0.0560-0.555	0.36	0
Riverside	No	8/15-8/21	12	0.0584-0.437	0.397	0
E. Farmingdale	No	8/23-9/07	21	ND-0.221	0.175	0
Dering Harbor	No	8/09-9/01	5	0.0393-0.213	0.178	0
West Neck	No	8/10-9/27	7	0.0705-1.13	0.879	0

(1) - The 90th percentile value is equal to or greater than 90% of the lead values detected in the water system.

(2) - In this case, 138 total samples were collected from the water systems shown above and the 90th percentile values ranged from ND to 3.41 ug/l for lead. The action level value for lead was not exceeded at any of the 138 sites tested.

(1) - The 90th percentile value is equal to or greater than 90% of the copper values detected in the water system.

(2) - In this case, 138 total samples were collected from the water systems shown above and the 90th percentile values ranged from 0.175 to 0.879 mg/l for copper. The action level value for copper was not exceeded at any of the 138 sites tested.

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity, to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	ND	118.4	36.9	330	No	32.0	46.6	39.1	8	No	34.6	90.0	49.3	10
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.30	0.03	637	No	0.02	0.09	0.06	8	No	ND	0.10	0.04	22
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	0.14	ND	198	No	ND	ND	ND	4	No	ND	ND	ND	5
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	2.7	ND	637	No	ND	ND	ND	8	No	ND	ND	ND	22
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.09	ND	637	No	ND	ND	ND	8	No	ND	0.20	0.08	22
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	0.62	ND	1013	No	ND	0.11	ND	38	No	ND	ND	ND	12
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	122.7	ND	362	No	ND	ND	ND	8	No	ND	75.9	ND	10
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	ND	59.3	12.1	1013	No	ND	0.9	0.5	38	No	11.3	52.1	25.7	12
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	3.8	133.4	19.5	373	No	2.9	4.3	3.6	8	No	11.9	157.9	79.4	39
Chromium, total	Natural deposits	100	100	ug/L	No	ND	1.2	ND	637	No	ND	0.5	ND	8	No	ND	2.5	1.0	22
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.1	24.1	5.1	330	No	2.4	8.0	5.1	8	No	3.3	18.8	10.7	10
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	4.8	ND	637	No	ND	ND	ND	8	No	ND	ND	ND	22
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	15	ND	330	No	ND	7	ND	8	No	ND	ND	ND	10
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.19	ND	637	No	ND	0.02	ND	8	No	ND	0.20	0.06	22
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	0.5	ND	373	No	ND	ND	ND	8	No	ND	ND	ND	39
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	2.2	181.0	36.4	1013	No	ND	2.6	ND	38	No	46.2	179.3	95.1	12
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.89	0.15	332	No	ND	0.18	ND	8	No	0.11	2.58	1.26	14
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	885	219	1013	Yes	193	421	295	38	No	ND	68	ND	12
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	9.1	2.1	637	No	3.6	4.2	4.0	8	No	ND	2.0	ND	22
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.19	9.35	1.49	1013	No	ND	ND	ND	38	No	4.38	11.96	7.54	12
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	108	10	1013	No	ND	ND	ND	38	No	ND	ND	ND	12
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	8.0	1.0	637	No	ND	ND	ND	8	No	ND	1.8	0.7	22
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	4.56	0.54	372	No	ND	0.02	ND	8	No	3.59	8.19	5.55	39
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	373	No	ND	ND	ND	8	No	ND	ND	ND	39
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	1.71	ND	367	No	ND	ND	ND	10	No	ND	1.88	0.60	12
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.8	7.4	632	No	6.9	7.5	7.2	8	No	6.6	8.1	7.2	21
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	8.5	7.5	3874	No	7.0	7.9	7.3	42	No	6.9	8.0	7.3	155
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	3.56	0.68	1013	No	0.27	3.70	1.88	38	No	ND	ND	ND	12
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.23	5.70	0.64	1013	No	1.19	1.52	1.30	38	No	0.92	2.25	1.47	12
Silicon	Naturally occurring	n/a	n/a	mg/L	No	2.9	8.6	4.9	637	No	4.2	4.4	4.3	8	No	6.8	7.8	7.2	22
Sodium	Naturally occurring	n/a	n/a	mg/L	No	2.5	64.4	7.4	1013	No	18.5	34.9	23.0	38	No	8.5	72.4	29.7	12
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	47	541	129	330	No	96	142	116	8	No	150	756	299	10
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.191	0.036	637	No	ND	ND	ND	8	No	0.037	0.151	0.083	22
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	53.4	6.4	373	No	7.5	8.7	8.0	8	No	5.9	19.8	13.7	39
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	9.1	ND	1013	No	ND	ND	ND	38	No	ND	ND	ND	12
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.6	ND	32	No	0.9	0.9	0.9	2	No	ND	ND	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	2.95	0.42	330	No	ND	ND	ND	8	No	ND	0.93	ND	10
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	637	No	ND	ND	ND	8	No	ND	ND	ND	22
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.1	ND	637	No	ND	ND	ND	8	No	ND	ND	ND	22
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.07	ND	637	No	ND	ND	ND	8	No	ND	0.04	ND	22
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	334	No	ND	ND	ND	8	No	ND	ND	ND	12
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	334	No	ND	ND	ND	8	No	ND	ND	ND	12
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	328	No	ND	ND	ND	8	No	ND	ND	ND	10
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	328	No	ND	ND	ND	8	No	ND	ND	ND	10
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	328	No	ND	ND	ND	8	No	ND	ND	ND	10
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	0.27	ND	331	No	ND	ND	ND	8	No	ND	ND	ND	10
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.64	0.09	379	No	ND	ND	ND	8	No	ND	0.97	0.43	22
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	331	No	ND	ND	ND	8	No	ND	ND	ND	10
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	334	No	ND	ND	ND	8	No	ND	ND	ND	12
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	334	No	ND	ND	ND	8	No	ND	ND	ND	12
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	1.53	ND	330	No	ND	ND	ND	8	No	ND	ND	ND	12
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.18	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	471	No	ND	ND	ND	8	No	ND	0.31	ND	61
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	0.15	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	0.80	ND	471	No	ND	ND	ND	8	No	ND	0.61	0.27	61
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.29	ND	471	No	ND	ND	ND	8	No	ND	0.43	ND	61
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.13	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.44	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.60	ND	471	No	ND	ND	ND	8	No	ND	0.24	ND	61
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.58	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	0.32	ND	471	No	ND	ND	ND	8	No	ND	0.27	ND	61
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.31	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	0.35	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	471	No	ND	ND	ND	8	No	ND	0.36	ND	61
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	0.34	ND	471	No	ND	ND	ND	8	No	ND	0.85	ND	61
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	0.85	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	471	No	ND	ND	ND	8	No	ND	ND	ND	61

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	ND	85.8	53.3	43	No	50.0	68.2	60.1	4	No	28.4	33.8	31.0	8
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.05	0.03	50	No	ND	0.04	0.02	5	No	ND	0.02	ND	8
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	22	No	ND	ND	ND	2	No	ND	ND	ND	4
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	5	No	ND	ND	ND	8
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.06	ND	50	No	ND	0.03	0.02	5	No	ND	ND	ND	8
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	43	No	ND	ND	ND	4	No	ND	ND	ND	8
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	74.6	ND	47	No	ND	59.2	ND	4	No	ND	ND	ND	8
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	6.8	37.3	23.3	43	No	12.1	30.0	21.6	4	No	9.7	16.8	13.0	8
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	7.5	30.1	21.1	195	No	14.0	23.9	22.1	25	No	6.8	18.6	11.9	8
Chromium, total	Natural deposits	100	100	ug/L	No	ND	12.0	0.7	50	No	ND	ND	ND	5	No	ND	ND	ND	8
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.3	26.7	8.3	43	No	5.6	14.5	9.8	4	No	3.6	12.6	7.0	8
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	0.8	ND	50	No	ND	ND	ND	5	No	ND	ND	ND	8
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	43	No	ND	ND	ND	4	No	ND	5	ND	8
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.06	ND	50	No	ND	0.06	ND	5	No	ND	ND	ND	8
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	195	No	ND	ND	ND	25	No	ND	ND	ND	8
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	25.4	126.9	77.5	43	No	46.3	99.2	74.4	4	No	27.7	54.1	40.1	8
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.88	0.30	49	No	ND	0.16	ND	5	No	ND	0.28	0.18	8
Iron	Naturally occurring	300	n/a	ug/L	No	ND	31	ND	43	No	ND	ND	ND	4	No	ND	ND	ND	8
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.0	ND	50	No	ND	ND	ND	5	No	ND	ND	ND	8
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.60	8.20	4.66	43	No	3.88	5.89	4.99	4	No	0.85	2.96	1.85	8
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	43	No	ND	ND	ND	4	No	ND	ND	ND	8
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	1.7	0.6	50	No	ND	0.9	0.6	5	No	0.6	6.5	1.6	8
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.20	8.28	6.09	194	No	0.06	8.17	6.04	25	No	1.46	4.00	2.66	8
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	195	No	ND	ND	ND	25	No	ND	ND	ND	8
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	3.31	1.06	59	No	ND	ND	ND	6	No	0.75	2.04	1.28	10
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	8.7	7.3	92	No	6.9	8.1	7.3	16	No	6.7	7.2	7.0	8
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	9.0	7.4	701	No	7.0	8.4	7.2	170	No	7.0	7.7	7.3	60
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	43	No	ND	0.29	ND	4	No	ND	ND	ND	8
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.58	1.50	1.06	43	No	1.03	1.31	1.15	4	No	0.55	0.97	0.74	8
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.8	9.0	7.0	50	No	6.8	8.6	7.6	5	No	3.7	4.1	3.9	8
Sodium	Naturally occurring	n/a	n/a	mg/L	No	6.1	16.4	10.9	43	No	10.0	16.1	13.1	4	No	5.2	10.4	7.6	8
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	90	345	224	43	No	145	291	225	4	No	85	191	130	8
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.024	0.121	0.075	50	No	0.065	0.097	0.087	5	No	0.018	0.053	0.034	8
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	25.2	12.2	195	No	ND	13.2	10.2	25	No	ND	8.8	4.3	8
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	43	No	ND	ND	ND	4	No	ND	ND	ND	8
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	1.82	0.43	43	No	ND	0.78	0.47	4	No	ND	0.67	0.45	8
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	5	No	ND	ND	ND	8
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	5	No	ND	ND	ND	8
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	50	No	ND	ND	ND	5	No	ND	0.03	ND	8
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	48	No	ND	ND	ND	4	No	ND	ND	ND	8
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	48	No	ND	ND	ND	4	No	ND	ND	ND	8
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	4	No	ND	ND	ND	8
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	4	No	ND	ND	ND	8
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	43	No	ND	ND	ND	4	No	ND	ND	ND	8
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	2.59	0.54	88	No	ND	1.57	0.35	10	No	ND	0.19	0.11	14
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	48	No	ND	ND	ND	4	No	ND	ND	ND	8
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	48	No	ND	ND	ND	4	No	ND	ND	ND	8
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	5.00	1.26	59	No	ND	ND	ND	4	No	ND	ND	ND	8
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	1.07	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	1.86	0.45	197	No	ND	0.43	ND	22	No	ND	ND	ND	10
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.37	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	0.53	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	0.34	ND	10
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	0.16	ND	22	No	ND	ND	ND	10
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	0.28	ND	22	No	ND	ND	ND	10
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	2.04	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.40	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	1.88	ND	197	No	ND	0.38	ND	22	No	ND	0.30	ND	10
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	0.27	ND	197	No	ND	ND	ND	22	No	ND	ND	ND	10

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	36.4	89.0	61.2	18	No	31.0	62.0	45.5	36	No	26.8	102.2	56.3	41
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.04	0.03	23	No	ND	0.05	0.03	40	No	ND	0.13	0.04	53
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	8	No	ND	ND	ND	19	No	ND	ND	ND	21
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	40	No	ND	ND	ND	53
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.03	ND	23	No	ND	0.06	ND	40	No	ND	0.07	0.03	53
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	51
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	58.9	ND	18	No	ND	61.7	ND	40	No	ND	387.6	60.9	42
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	16.9	35.8	26.1	18	No	12.1	37.2	22.0	36	No	11.1	50.0	26.3	51
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	12.2	38.4	23.2	98	No	10.7	32.8	21.0	181	No	9.7	79.6	41.6	164
Chromium, total	Natural deposits	100	100	ug/L	No	ND	3.7	0.6	23	No	ND	4.1	0.8	40	No	ND	3.9	0.8	53
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	2.8	9.7	5.5	18	No	0.4	28.0	7.5	36	No	1.8	32.8	8.7	41
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	23	No	ND	1.1	ND	40	No	ND	2.7	0.5	53
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	ND	ND	18	No	ND	5	ND	36	No	ND	5	ND	41
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	23	No	ND	0.03	ND	40	No	ND	0.04	ND	53
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	98	No	ND	ND	ND	181	No	ND	ND	ND	164
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	58.3	126.0	89.0	18	No	42.7	119.8	72.7	36	No	35.4	153.7	83.8	51
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	2.98	0.53	23	No	ND	3.77	0.69	40	No	ND	3.68	0.72	45
Iron	Naturally occurring	300	n/a	ug/L	No	ND	30	ND	18	No	ND	35	ND	36	No	ND	88	ND	51
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.7	ND	23	No	ND	ND	ND	40	No	ND	1.0	ND	53
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.74	9.71	5.80	18	No	1.54	6.83	4.32	36	No	1.23	7.02	4.38	51
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	76	18	51
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	1.5	0.8	23	No	ND	2.1	1.1	40	No	ND	5.2	1.7	53
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	3.14	7.98	6.24	98	No	2.20	8.36	6.57	181	No	0.07	8.64	6.05	164
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	98	No	ND	ND	ND	181	No	ND	ND	ND	164
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.91	0.50	21	No	ND	3.53	1.65	65	No	ND	1.79	0.67	47
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.1	8.6	7.5	49	No	6.5	8.4	7.3	68	No	6.7	8.4	7.3	66
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.9	8.5	7.4	338	No	6.7	9.0	7.3	694	No	6.4	8.5	7.3	535
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.26	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	51
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.81	1.87	1.23	18	No	0.81	1.53	1.09	36	No	0.69	2.15	1.30	51
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.8	9.9	6.6	23	No	3.4	8.3	5.5	40	No	3.8	7.1	5.3	53
Sodium	Naturally occurring	n/a	n/a	mg/L	No	9.1	20.7	15.2	18	No	8.2	18.9	12.1	36	No	6.4	36.3	19.8	51
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	184	355	274	18	No	139	320	223	36	No	112	506	274	41
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.058	0.122	0.083	23	No	0.029	0.1390	0.074	40	No	0.022	0.144	0.070	53
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.4	27.6	13.3	98	No	ND	29.2	13.5	181	No	ND	17.3	8.7	164
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	51
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	4	No	ND	0.6	ND	4
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	1.31	0.46	18	No	ND	1.56	0.42	36	No	ND	1.29	0.53	41
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	40	No	ND	ND	ND	53
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	40	No	ND	ND	ND	53
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	23	No	ND	ND	ND	40	No	ND	0.02	ND	53

Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)

Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	42	No	ND	ND	ND	63
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	38	No	ND	ND	ND	44
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	2.27	0.53	39	No	0.13	1.74	0.45	59	No	ND	1.67	0.48	77
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	38	No	ND	ND	ND	44
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	39	No	ND	ND	ND	45

Volatile Organic Compounds

Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	0.53	ND	190
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	0.84	ND	190
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	1.23	ND	190
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	0.80	0.26	77	No	ND	1.55	0.43	122	No	ND	1.42	0.33	190
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.45	ND	77	No	ND	0.29	ND	122	No	ND	0.77	ND	190
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	77	No	ND	0.29	ND	122	No	ND	ND	ND	190
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.25	ND	77	No	ND	0.59	ND	122	No	ND	1.31	ND	190
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	77	No	ND	0.34	ND	122	No	ND	0.58	ND	190
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.54	ND	77	No	ND	0.32	ND	122	No	ND	0.69	ND	190
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	0.60	ND	190
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	1.84	ND	190
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	0.27	ND	122	No	ND	ND	ND	190
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	0.81	ND	190

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	ND	147.4	57.2	249	No	ND	46.4	25.2	14	No	ND	118.2	51.4	167
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.28	0.03	478	No	ND	ND	ND	13	No	ND	0.16	0.04	204
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	142	No	ND	ND	ND	7	No	ND	0.17	ND	87
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	4.4	ND	478	No	ND	ND	ND	13	No	ND	1.5	ND	204
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.09	ND	478	No	ND	0.03	ND	13	No	ND	0.13	0.03	204
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	485	No	ND	ND	ND	14	No	ND	ND	ND	239
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	77.1	ND	300	No	ND	ND	ND	14	No	ND	57.6	ND	209
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	1.4	58.4	22.3	485	No	2.1	19.0	7.6	14	No	2.2	69.0	23.2	239
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	4.1	122.9	41.8	495	No	4.5	20.5	7.5	14	No	4.2	139.4	39.2	512
Chromium, total	Natural deposits	100	100	ug/L	No	ND	3.9	0.5	478	No	ND	1.0	ND	13	No	ND	4.4	1.0	204
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.4	43.2	8.3	249	No	1.8	11.0	5.8	14	No	0.3	37.8	8.3	167
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	2.9	ND	478	No	ND	ND	ND	13	No	ND	1.5	ND	204
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	15	ND	249	No	ND	5	ND	14	No	ND	7	ND	167
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.12	ND	478	No	ND	0.08	0.03	13	No	ND	0.10	ND	204
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	495	No	ND	ND	ND	14	No	ND	ND	ND	512
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	7.2	198.1	73.9	485	No	8.1	69.9	25.2	14	No	9.8	202.0	79.0	239
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	3.94	0.43	253	No	0.19	0.94	0.45	14	No	ND	2.91	0.84	168
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	756	97	485	No	ND	35	ND	14	Yes	ND	955	66	239
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.0	ND	478	No	ND	ND	ND	13	No	ND	3.5	ND	204
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.33	18.46	4.44	485	No	0.69	5.44	1.51	14	No	0.77	11.85	5.10	239
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	109	15	485	No	ND	ND	ND	14	No	ND	99	15	239
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	6.0	0.6	478	No	ND	1.0	ND	13	No	ND	3.4	0.5	204
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	9.66	4.53	491	No	ND	4.15	1.06	14	No	0.07	9.62	4.84	509
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	495	No	ND	ND	ND	14	No	ND	ND	ND	512
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	2.77	0.45	281	No	ND	2.06	0.45	18	No	ND	4.22	0.90	213
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.7	7.3	442	No	6.5	7.5	7.0	18	No	6.5	8.6	7.2	228
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	9.0	7.4	2745	No	6.7	8.0	7.3	263	No	6.2	8.5	7.3	2022
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	3.09	0.47	485	No	ND	ND	ND	14	No	ND	2.19	0.43	239
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.25	3.74	1.19	485	No	0.35	1.27	0.52	14	No	0.37	3.52	1.35	239
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.1	10.8	6.6	478	No	4.4	7.8	5.2	13	No	4.8	10.5	7.3	204
Sodium	Naturally occurring	n/a	n/a	mg/L	No	3.2	65.9	18.2	485	No	3.8	12.9	5.9	14	No	3.9	78.9	22.6	239
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	36	592	257	249	No	44	224	92	14	No	41	686	256	167
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.211	0.056	478	No	ND	0.0620	0.015	13	No	ND	0.204	0.070	204
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	30.3	14.0	495	No	ND	14.6	2.8	14	No	ND	32.6	11.7	512
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	8.4	ND	485	No	ND	ND	ND	14	No	ND	ND	ND	239
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.7	ND	26	No	ND	ND	ND	4	No	ND	0.7	ND	12
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	4.15	0.63	248	No	ND	0.59	ND	14	No	ND	3.53	0.58	166
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	478	No	ND	ND	ND	13	No	ND	1.21	ND	204
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.4	ND	478	No	ND	ND	ND	13	No	ND	5.5	ND	204
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.02	ND	478	No	ND	0.04	ND	13	No	ND	0.06	ND	204

Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	253	No	ND	ND	ND	13	No	ND	ND	ND	181
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	253	No	ND	ND	ND	13	No	ND	ND	ND	181
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	13	No	ND	ND	ND	170
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	13	No	ND	ND	ND	170
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	0.29	ND	261	No	ND	ND	ND	13	No	ND	ND	ND	171
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	0.25	ND	257	No	ND	ND	ND	13	No	ND	ND	ND	172
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	1.12	0.17	391	No	ND	0.40	0.11	15	No	ND	0.81	0.21	256
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	257	No	ND	ND	ND	13	No	ND	ND	ND	172
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	253	No	ND	ND	ND	13	No	ND	ND	ND	181
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	253	No	ND	ND	ND	13	No	ND	ND	ND	181
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	5.31	ND	270	No	ND	ND	ND	13	No	ND	2.47	ND	175

Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.21	ND	556	No	ND	ND	ND	23	No	ND	0.35	ND	351
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	2.17	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.91	ND	556	No	ND	ND	ND	23	No	ND	0.88	ND	351
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	2.86	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	2.70	ND	556	No	ND	0.31	ND	23	No	ND	1.58	ND	351
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	1.42	ND	556	No	ND	ND	ND	23	No	ND	0.98	ND	351
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	0.49	ND	351
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	2.79	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.97	ND	556	No	ND	ND	ND	23	No	ND	0.75	ND	351
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.43	ND	556	No	ND	ND	ND	23	No	ND	0.25	ND	351
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.28	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	6.42	ND	556	No	ND	ND	ND	23	No	ND	0.77	ND	351
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	1.80	ND	556	No	ND	ND	ND	23	No	ND	1.04	ND	351
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	1.09	ND	556	No	ND	ND	ND	23	No	ND	0.50	ND	351
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	1.33	ND	351
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	0.34	ND	23	No	ND	0.45	ND	351
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	0.57	ND	556	No	ND	ND	ND	23	No	ND	0.67	ND	351

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg.CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	21.8	104.2	49.6	109	No	32.0	150.6	61.7	31	No	ND	155.4	69.0	108
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.09	0.03	127	No	ND	0.08	0.03	29	No	ND	0.21	0.05	148
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	63	No	ND	ND	ND	15	No	ND	ND	ND	72
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	127	No	ND	ND	ND	29	No	ND	ND	ND	148
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.09	0.03	127	No	0.02	0.10	0.05	29	No	ND	0.07	0.03	148
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	215	No	ND	ND	ND	132	No	ND	ND	ND	179
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	164.5	ND	129	No	ND	124.5	63.8	33	No	ND	380.5	84.0	118
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	5.7	54.7	24.3	215	No	7.8	61.8	22.4	132	No	8.7	64.8	32.4	179
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	9.4	79.3	37.3	236	No	23.5	75.7	43.2	32	No	13.0	201.0	56.0	534
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.9	ND	127	No	ND	0.6	ND	29	No	ND	2.0	0.5	148
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.1	24.1	5.9	109	No	0.6	11.0	4.0	31	No	0.3	30.3	7.9	108
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	3.8	ND	127	No	ND	0.8	ND	29	No	ND	ND	ND	148
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	12	ND	109	No	ND	10	ND	31	No	ND	7	ND	108
Copper	Household plumbing	AL=1.3	1.3		mg/L	No	ND	0.07	ND	127	No	ND	ND	ND	29	No	ND	0.24	ND
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	236	No	ND	ND	ND	32	No	ND	ND	ND	534
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	21.2	166.2	80.4	215	No	36.1	199.9	83.3	132	No	33.2	225.6	111.9	179
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.69	0.31	109	No	ND	0.68	0.22	29	No	ND	1.69	0.32	108
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	815	123	215	Yes	ND	698	109	132	No	ND	136	37	179
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.4	1.2	127	No	ND	2.2	1.1	29	No	ND	2.8	ND	148
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.54	9.86	4.78	215	No	3.11	11.11	6.68	132	No	2.81	16.67	7.56	179
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	186	31	215	No	ND	114	16	132	No	ND	218	30	179
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	2.3	ND	127	No	ND	1.7	0.5	29	No	ND	1.9	ND	148
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	9.31	3.69	235	No	0.14	4.08	1.89	32	No	0.68	8.25	4.77	530
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	236	No	ND	ND	ND	32	No	ND	ND	ND	534
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.60	ND	132	No	ND	0.35	ND	37	No	ND	2.85	1.54	190
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	8.8	7.4	166	No	7.1	8.1	7.6	44	No	6.6	8.8	7.4	237
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	8.5	7.4	1226	No	6.9	8.5	7.6	248	No	6.9	8.8	7.5	858
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	2.63	0.48	215	No	ND	3.27	1.31	132	No	ND	2.87	0.41	179
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.45	3.79	1.41	215	No	1.07	2.24	1.69	132	No	0.59	5.41	2.43	179
Silicon	Naturally occurring	n/a	n/a	mg/L	No	5.2	11.4	7.7	127	No	7.7	11.2	9.2	29	No	4.2	8.8	6.5	148
Sodium	Naturally occurring	n/a	n/a	mg/L	No	7.2	51.6	18.8	215	No	16.4	40.0	27.2	132	No	8.4	90.2	37.9	179
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	91	481	238	109	No	97	439	302	31	No	128	830	406	108
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.023	0.136	0.071	127	No	0.044	0.1260	0.079	29	No	0.041	0.213	0.109	148
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.8	67.9	21.7	236	No	8.5	23.7	12.3	32	No	5.6	72.3	35.3	534
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	6.1	ND	215	No	ND	ND	ND	132	No	ND	10.6	ND	179
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.6	ND	10	No	ND	0.6	ND	6	No	ND	0.7	0.6	6
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	2.19	0.53	109	No	ND	5.63	1.37	30	No	ND	2.22	0.60	108
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	127	No	ND	ND	ND	29	No	ND	ND	ND	148
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	6.3	ND	127	No	ND	ND	ND	29	No	ND	1.4	ND	148
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	127	No	ND	0.08	ND	29	No	ND	0.04	ND	148
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	134	No	ND	ND	ND	31	No	ND	1.72	ND	142
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	134	No	ND	ND	ND	31	No	ND	1.12	ND	142
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	31	No	ND	0.61	ND	199
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	31	No	ND	0.53	ND	199
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	31	No	ND	ND	ND	121
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	125	No	ND	ND	ND	30	No	ND	ND	ND	134
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.24	ND	144	No	ND	0.82	0.08	41	No	ND	0.10	ND	136
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	125	No	ND	ND	ND	30	No	ND	0.53	ND	134
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	1.14	ND	134	No	ND	ND	ND	31	No	ND	2.72	ND	142
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	134	No	ND	ND	ND	31	No	ND	3.09	ND	142
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	1.47	ND	127	No	ND	ND	ND	32	No	ND	8.61	1.58	179
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	5.11	0.28	210	No	ND	0.97	ND	55	No	ND	ND	ND	184
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	0.51	ND	55	No	ND	ND	ND	184
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	0.36	ND	184
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	0.29	ND	55	No	ND	ND	ND	184
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.29	ND	210	No	ND	0.27	ND	55	No	ND	0.27	ND	184
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.16	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	210	No	ND	0.56	ND	55	No	ND	ND	ND	184
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	0.29	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5																	

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	29.6	72.4	46.4	6	No	38.8	50.6	43.0	6	No	62.4	101.6	85.3	10
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.08	0.06	6	No	ND	0.03	ND	6	No	ND	ND	ND	10
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	3	No	ND	ND	ND	3	No	ND	ND	ND	5
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.02	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	143.1	65.4	10
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	8.9	21.7	16.2	6	No	13.3	16.6	14.7	6	No	25.1	31.2	27.6	10
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	25.8	106.9	61.2	6	No	12.1	15.5	13.7	6	No	ND	67.6	21.2	42
Chromium, total	Natural deposits	100	100	ug/L	No	0.6	1.6	0.8	6	No	ND	0.7	ND	6	No	ND	ND	ND	10
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.9	17.0	5.5	6	No	2.4	6.7	5.3	6	No	6.1	12.6	9.5	10
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	0.14	0.09	10
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	42
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	31.2	64.0	50.4	6	No	45.0	59.6	51.0	6	No	95.5	132.6	111.1	10
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.35	1.28	0.69	6	No	0.20	0.58	0.39	6	No	ND	0.55	0.13	10
Iron	Naturally occurring	300	n/a	ug/L	No	ND	68	40	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	1.1	ND	6	No	ND	ND	ND	10
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.16	2.62	2.41	6	No	2.57	5.08	3.49	6	No	7.82	13.29	10.28	10
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	0.6	ND	10
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.34	0.95	0.60	6	No	0.46	0.79	0.61	6	No	ND	6.73	4.03	42
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	0.067	ND	42
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.32	ND	8	No	ND	0.36	ND	8	No	ND	1.43	0.33	23
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.9	7.6	7.3	8	No	7.1	7.6	7.3	7	No	7.0	7.5	7.3	18
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	8.0	7.5	63	No	7.0	7.9	7.4	107	No	7.0	8.6	7.4	94
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.58	0.89	0.71	6	No	0.67	0.88	0.75	6	No	1.22	1.56	1.41	10
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.0	5.6	4.7	6	No	5.8	8.5	6.8	6	No	7.8	8.9	8.3	10
Sodium	Naturally occurring	n/a	n/a	mg/L	No	11.7	63.1	37.5	6	No	8.6	10.8	9.5	6	No	29.4	50.3	40.3	10
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	239	441	314	6	No	144	176	158	6	No	367	549	431	10
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.044	0.064	0.057	6	No	0.036	0.062	0.046	6	No	0.094	0.150	0.121	10
Sulfate	Naturally occurring	250	n/a	mg/L	No	5.1	7.6	6.5	6	No	8.0	16.7	11.0	6	No	ND	76.1	34.5	42
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	0.5	ND	2	No	ND	0.5	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	1.22	0.80	6	No	ND	0.62	ND	6	No	ND	0.74	ND	10
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	3.1	ND	6	No	ND	ND	ND	10
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	0.04	0.02	10

Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)

Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	8.57	1.22	29

Volatile Organic Compounds

Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	0.47	ND	31
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	31
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	35.4	48.0	41.4	6	No	ND	48.6	37.2	19	No	23.2	38.8	32.0	29
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	0.03	0.88	0.31	31	No	0.03	0.63	0.27	44
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	3	No	ND	ND	ND	10	No	ND	ND	ND	18
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	0.10	ND	72	No	ND	0.13	ND	77
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	28	No	ND	ND	ND	47
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	12.0	22.2	16.1	6	No	ND	1.0	0.5	72	No	ND	1.2	ND	77
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	14.0	25.4	18.3	6	No	4.1	5.5	4.7	20	No	3.9	9.3	5.0	30
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.6	ND	6	No	ND	1.1	ND	31	No	ND	1.0	ND	44
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.3	16.2	7.0	6	No	1.2	15.0	7.0	19	No	1.0	14.1	5.0	29
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	6	Yes	ND	20	8	19	No	ND	12	6	29
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	0.05	ND	31	No	ND	0.04	ND	44
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	0.2	ND	30
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	43.8	74.7	55.4	6	No	ND	4.5	ND	72	No	ND	3.3	ND	77
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.18	0.50	0.33	6	No	ND	0.30	0.11	20	No	ND	0.50	0.12	30
Iron	Naturally occurring	300	n/a	ug/L	No	ND	113	34	6	Yes	172	695	348	72	Yes	55	657	238	77
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.1	ND	6	No	4.6	10.7	6.5	31	No	2.5	6.5	4.1	44
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	3.33	4.68	3.70	6	No	ND	0.49	ND	72	No	ND	0.22	ND	77
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	25	ND	6	No	ND	12	ND	72	No	ND	ND	ND	77
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	6	No	ND	5.8	0.7	31	No	ND	6.4	0.6	44
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.33	1.52	0.86	6	No	ND	0.02	ND	20	No	ND	0.02	ND	30
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	28	No	ND	ND	ND	40
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.7	7.9	7.2	6	No	6.6	7.9	7.1	19	No	6.6	7.8	7.2	31
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	8.2	7.4	56	No	6.4	8.0	7.2	72	No	7.0	8.0	7.3	138
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	3.57	1.05	72	No	ND	2.71	0.34	77
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.74	1.43	0.90	6	No	1.62	4.42	2.95	72	No	0.94	3.61	1.73	77
Silicon	Naturally occurring	n/a	n/a	mg/L	No	6.3	10.0	7.2	6	No	4.3	5.7	4.9	31	No	4.4	5.7	5.0	44
Sodium	Naturally occurring	n/a	n/a	mg/L	No	9.6	14.0	11.4	6	No	8.8	23.8	18.9	72	No	10.8	22.5	16.6	77
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	153	218	183	6	No	61	118	100	19	No	72	116	86	29
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.042	0.079	0.054	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Sulfate	Naturally occurring	250	n/a	mg/L	No	10.2	32.4	14.8	6	No	4.1	5.2	4.7	20	No	3.7	5.6	4.2	30
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	49.0	14.8	72	No	ND	36.0	10.2	77
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	0.5	0.5	0.5	2	No	0.5	1.0	0.7	8	No	0.7	1.3	0.9	10
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.56	ND	6	No	ND	4.87	2.06	19	No	ND	3.29	1.30	29
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	4.4	1.1	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	0.04	ND	31	No	ND	0.02	ND	44

Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)

Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	21	No	ND	1.32	ND	30

Volatile Organic Compounds

Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 57					Distribution Area 64					Distribution Area EFWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	32.2	67.4	51.6	6	No	52.4	76.6	63.2	8	No	28.6	44.4	37.6	6
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.03	ND	6	No	ND	ND	ND	8	No	ND	0.10	0.05	8
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	3	No	ND	ND	ND	5	No	ND	ND	ND	3
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.03	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	37	No	ND	ND	ND	7
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	62.9	ND	6	No	ND	221.1	73.1	12	No	ND	55.2	ND	14
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	10.2	24.2	18.9	6	No	7.5	11.8	9.6	37	No	7.5	18.5	13.4	7
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	25.4	37.9	32.3	6	No	22.0	79.8	37.5	8	No	6.6	14.2	10.5	6
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.7	ND	6	No	ND	0.8	0.5	8	No	ND	ND	ND	8
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.6	6.4	3.5	6	No	1.4	39.4	12.3	8	No	0.6	6.6	3.0	6
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	2.5	1.2	8
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	6	No	ND	ND	ND	8	No	ND	10	ND	6
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	43.6	82.5	66.6	6	No	34.3	64.0	45.9	37	No	25.4	53.5	38.1	7
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.29	0.54	0.40	6	No	0.26	0.41	0.35	8	No	ND	0.23	0.13	6
Iron	Naturally occurring	300	n/a	ug/L	No	ND	33	ND	6	No	ND	273	52	37	No	ND	266	91	7
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.4	1.3	6	No	ND	ND	ND	8	No	ND	1.1	ND	8
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	4.28	5.47	4.72	6	No	3.60	9.52	5.30	37	No	0.54	1.79	1.10	7
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	37	No	ND	10	ND	7
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	6	No	ND	0.9	ND	8	No	1.0	3.4	2.2	8
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.67	2.38	1.38	6	No	0.50	1.46	1.00	8	No	0.05	3.07	0.76	6
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	10
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.2	7.8	7.5	6	No	6.5	8.0	7.3	15	No	7.1	8.7	7.6	11
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	8.3	7.7	56	No	7.0	8.5	7.4	31	No	7.0	8.0	7.5	156
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.20	ND	6	No	ND	1.52	1.15	37	No	ND	0.35	ND	7
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.94	1.49	1.20	6	No	0.82	1.71	1.16	37	No	0.40	0.83	0.59	7
Silicon	Naturally occurring	n/a	n/a	mg/L	No	7.8	9.8	9.0	6	No	8.5	9.9	9.5	8	No	3.4	3.7	3.5	8
Sodium	Naturally occurring	n/a	n/a	mg/L	No	16.9	22.1	19.8	6	No	23.5	68.7	39.1	37	No	4.3	8.2	5.8	7
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	180	291	244	6	No	212	436	276	8	No	79	153	120	6
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.046	0.079	0.066	6	No	0.047	0.074	0.059	8	No	0.016	0.037	0.028	8
Sulfate	Naturally occurring	250	n/a	mg/L	No	9.0	12.4	10.0	6	No	9.9	11.9	10.5	8	No	ND	4.5	ND	6
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	37	No	ND	6.2	ND	7
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	0.5	0.7	0.6	2	No	0.6	0.6	0.6	2	No	ND	0.5	ND	4
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.41	ND	6	No	ND	0.59	ND	8	No	ND	1.04	0.46	6
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8

Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)

Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.07	ND	6	No	ND	ND	ND	12	No	ND	2.40	0.47	6
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6

Volatile Organic Compounds

Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	2.15	0.52	21
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area RSWD					Distribution Area SBWD					Distribution Area WNWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	28.6	29.6	29.1	2	No	ND	43.4	26.7	4	No	84.8	109.0	96.3	8
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	0.06	0.02	4	No	ND	ND	ND	10
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	1	No	ND	ND	ND	2	No	ND	ND	ND	3
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	10
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.04	0.02	10
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	37
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	54.5	ND	9
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	9.1	10.2	9.7	2	No	4.2	18.0	11.0	4	No	6.6	13.3	9.5	37
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	11.8	18.7	15.2	2	No	5.1	14.1	9.1	4	No	15.2	32.7	21.9	17
Chromium, total	Natural deposits	100	100	ug/L	No	0.5	0.8	0.6	2	No	ND	1.5	0.8	4	No	ND	1.5	0.8	10
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.9	2.6	2.2	2	No	3.5	7.9	5.6	4	No	1.7	60.8	21.4	8
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	10
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	7	ND	2	No	ND	5	ND	4	No	ND	10	ND	8
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.07	0.03	10
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	17
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	32.9	36.7	34.8	2	No	13.8	55.8	34.2	4	No	23.0	49.0	37.7	37
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.47	1.01	0.74	2	No	0.30	1.54	0.93	4	No	0.11	1.10	0.64	8
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	322	168	2	No	ND	73	39	4	No	ND	ND	ND	37
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.2	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	10
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.45	2.73	2.59	2	No	0.77	2.63	1.66	4	No	1.55	4.61	3.39	37
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	41	ND	37
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	2	No	ND	0.6	ND	4	No	ND	ND	ND	10
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.06	0.09	0.08	2	No	0.12	3.20	1.50	4	No	2.46	6.26	4.39	17
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	17
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	ND	ND	4	No	ND	0.33	ND	8	No	ND	0.35	ND	9
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.4	7.5	7.4	2	No	6.7	7.4	7.0	4	No	6.5	8.0	7.1	13
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	7.7	7.2	48	No	6.7	7.9	7.3	96	No	7.0	7.6	7.2	29
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	0.40	1.29	0.74	37
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.60	0.63	0.61	2	No	0.36	0.68	0.52	4	No	1.10	2.60	1.86	37
Silicon	Naturally occurring	n/a	n/a	mg/L	No	6.7	6.9	6.8	2	No	4.6	5.9	5.5	4	No	5.2	8.3	6.8	10
Sodium	Naturally occurring	n/a	n/a	mg/L	No	7.8	11.6	9.7	2	No	4.3	9.3	6.7	4	No	39.2	66.3	52.6	37
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	115	151	133	2	No	55	167	109	4	No	255	382	315	8
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.034	0.036	0.035	2	No	ND	0.035	0.020	4	No	0.050	0.086	0.065	10
Sulfate	Naturally occurring	250	n/a	mg/L	No	7.0	7.7	7.3	2	No	ND	3.9	2.5	4	No	9.5	12.9	10.7	17
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	37
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.6	ND	2	No	ND	ND	ND	4	No	0.8	0.9	0.8	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.87	0.53	2	No	ND	0.93	ND	4	No	ND	0.65	ND	8
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	10
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	10
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	10
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	7
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	7
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	7
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	7
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	7
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	7
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	ND	ND	2	No	ND	0.26	0.12	4	No	ND	ND	ND	7
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	7
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	7
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	7
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	7
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	0.34	ND	12	No	ND	ND	ND	19
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	0.31	ND	12	No	ND	ND	ND	19
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	19

WELL MONITORING FOR TOTAL COLIFORM

All SCWA wells prior to chlorination (source water monitoring) and the chlorinated water leaving the pump stations are tested quarterly for total coliform bacteria as required. Filtered wells are tested monthly. As part of the GWR, EPA also requires reporting E. coli when found in source water (SW) monitoring. In 2023, all source water monitoring samples were E. coli-negative (no E. coli was found), except as noted in the chart below. Additional samples from these wells were total coliform-negative (no coliforms, including E. coli were found), and no sanitary deficiencies were found. In 2023, all entry points to distribution (EPTD) samples were total coliform-negative (no coliforms, including E. coli were found), except as noted in the chart below. Additional samples from these wells were total coliform-negative (no coliforms, including E. coli were found), and no sanitary deficiencies were found.

2023 Microbiological Test Results for Wells and Heterotrophic Plate Count (HPC)

Well Location	Collection Point at Pump Station	Test Results
Distribution Area 01*	SW (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 15*	SW (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 01*	EPTD (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 12*	EPTD (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 15*	EPTD (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 30*	EPTD (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 06*	EPTD (prior to chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 12*	EPTD (prior to chlorination)	Total coliform-positive, E. coli-negative

*Please see map on pages 2 and 3 for the distribution area location.

SCWA's lab also tests every filtration system and water storage tank for total coliform and performs Heterotrophic Plate Count (HPC) measurements. Since most bacteria, including many of the bacteria



associated with drinking water systems, are heterotrophs, this test can provide useful information about water quality. In 2023, the HPC results for our storage tanks were negative (no heterotrophs were found). The HPC results for our filter systems can be found in the 2023 Drinking Water Quality Report Supplement. Please see page 41 for more information on this report.

MICROBIOLOGICAL TESTING AND MONITORING REQUIREMENTS

To reduce the risk of illness caused by microbial contamination the SCWA tests for total coliform bacteria, including E. coli. Total coliform bacteria are a conservative indicator of the potential for contamination from waste and provides a basis for investigation to determine and correct sanitary deficiencies. E. coli is a coliform bacteria that indicates fecal contamination and an immediate concern requiring prompt investigation. The Total Coliform Rule (TCR) and Ground Water Rule

(GWR) are EPA regulations that require us to test our distribution system for total coliform bacteria. When there is a total coliform-positive result found in a distribution system sample, we are then required to test our wells in the surrounding area. This is called Triggered Source Water Monitoring. In 2023, all Triggered Source Water monitoring samples were total coliform-negative (no coliforms, including E. coli were found).

Revised Total Coliform Rule (RTCR) and Groundwater Rule (GWR) Monitoring

On April 1, 2016, the EPA revised its existing Total Coliform Rule. The revised rule (RTCR) establishes a maximum contaminant level (MCL) for E. coli and uses E. coli and total coliforms to initiate a “find and fix” approach to address fecal contamination that could enter the distribution system. It requires public water systems (PWSs) to perform assessments to identify sanitary defects and subsequently take action to correct them. In 2023, we collected an average of 906 total coliform samples each month, including samples from East Farmingdale, Riverside,

Stony Brook, Dering Harbor and West Neck Water Districts. The number of samples required is based on the population in each distribution area.

Large distribution areas (greater than 40 total coliform samples collected monthly), shown in Table I below, must report the highest percentage of positive samples collected in any one month. Small distribution areas (40 or less total coliform samples collected monthly), shown in Table II below, must report the highest number of positive samples.

Revised Total Coliform Rule Level 1 & Level 2 Assessment Definitions

In 2023 we found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct an assessment (s) to identify problems and to correct any problems that were found during these assessments.

- **Level 1 Assessment:** A Level 1 assessment is an evaluation of the water system to identify potential problems and determine, if possible, why total coliform bacteria have been found in our water system.
- **Level 2 Assessment:** A Level 2 assessment is an evaluation of the water system to identify potential problems and determine, if possible, why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

2023 Microbiological Test Results for Distribution

TABLE I – Microbiological Test Results
for Large Water Distribution Areas

Compound	Violation	MCL	MCLG	Unit Measure	Likely Source
Total Coliform Bacteria	Yes/No	Presence of Coliform in 5% of Monthly Samples	0	n/a	Naturally Present in the Environment
Distribution Area		Highest Monthly Percentage Positive	Lowest Monthly Percentage Positive	Average Monthly Percentage Positive	No. of Tests for the Year
1	No	0.4%	0%	0.0%	2947
10	No	2.1%	0%	0.2%	536
12	No	0.6%	0%	0.1%	1937

Distribution Areas 15 and 23
had no detections of total coliform in 2023.

TABLE II – Microbiological Test Results
for Small Water Distribution Areas

Compound	Violation	MCL	MCLG	Unit Measure	Likely Source
Total Coliform Bacteria	Yes/No	Two or More Positive Samples	0	n/a	Naturally Present in the Environment
Distribution Area		Highest Monthly Amount Positive	Lowest Monthly Amount Positive	Average Monthly Amount Positive	No. of Tests for the Year
N/A	N/A	N/A	N/A	N/A	N/A

Distribution Areas 4, 5, 6, 7, 8, 9, 11, 14, 26, 30, 32, 34, 35, 44, 53, 54, 57, 64,
Stony Brook, Riverside, East Farmingdale, and West Neck Water Districts
had no detections of total coliform in 2023.

DISINFECTION BYPRODUCTS RULE MONITORING

The SCWA is required to use a disinfectant to reduce the potential of microbial contamination. Minute amounts of chlorine are used to prevent bacterial growth in our distribution system. Disinfectants, such as chlorine, can react with the naturally occurring components in water to form byproducts referred to as disinfection byproducts (DBPs). DBPs, if consumed in excess of the MCL over many years, may lead to increased health risks. To increase public health protection by reducing the potential risk of adverse health effects associated with DBPs from the required chlorination of our drinking water, the SCWA tests for two types of DBPs - Trihalomethanes (THMs) and Haloacetic Acids (HAAs). The MCL is 80 ppb for the sum of the four THMs, and for the sum of five HAAs the MCL is 60 ppb.

The Stage 2 Disinfectant and Disinfection Byproducts Rule (DBPR) is an EPA regulation that requires us to monitor our distribution system quarterly for four THMs (chloroform, bromodichloromethane, dibromochloromethane, and bromoform) and five HAAs (monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid, and dibromoacetic acid). The chart below includes the range of quarterly results for the sum of the two groups of DBPs and the highest Locational Running Annual Average as required. The SCWA also monitors the wells and storage tanks for various other DBPs, including chlorate and four additional HAAs. The 2023 disinfectant and disinfection byproducts results for each distribution area are noted on pages 17-19.

2023 Stage 2 DBPR Test Results

Detected Compound		Total Trihalomethanes				Total Haloacetic Acids			
Likely Source		Byproduct of chlorination				Byproduct of chlorination			
MCL		80				60			
MCLG		N/A				N/A			
Unit of Measure		ug/L				ug/L			
		Range of Readings				Range of Readings			
Location	Sample Site	Low Value	High Value	Annual Average	No. of Tests	Low Value	High Value	Annual Average	No. of Tests
SCWA - Zone 1	1	3.83	8.52	5.82	4	ND	2.05	0.74	4
SCWA - Zone 6	2	5.58	9.72	7.96	4	ND	2.28	0.90	4
SCWA - Zone 10	3	ND	1.42	0.45	4	ND	ND	ND	4
SCWA - Zone 12	4	1.86	27.19	16.77	4	ND	4.24	2.71	4
SCWA - Zone 1	5	8.66	15.79	12.28	4	0.86	2.86	1.98	4
SCWA - Zone 26	6	6.59	13.99	10.86	4	0.54	1.26	0.84	4
SCWA - Zone 30	7	3.25	5.71	5.02	4	0.60	0.73	0.66	4
SCWA - Zone 54	8	ND	3.51	1.67	4	ND	0.77	0.41	4
SCWA - Zone 64	9	5.24	8.40	6.69	4	ND	0.66	0.42	4
FHWD	1	ND	4.15	2.39	4	ND	4.02	1.55	4
FHWD	2	0.90	14.61	6.10	4	0.47	16.70	6.10	4
EFWD	1	0.78	2.00	1.52	4	ND	ND	ND	4
EFWD	2	2.05	4.86	2.99	4	ND	ND	ND	4
SBWD	1	ND	2.02	0.98	4	ND	ND	ND	4
SBWD	2	0.39	1.32	0.89	4	ND	ND	ND	4
RSWD	1	0.70	1.58	1.07	4	ND	ND	ND	4
RSWD	2	0.98	2.06	1.62	4	ND	ND	ND	4
WNWD	1	1.78	1.78	1.78	1	ND	ND	ND	1

WATER QUALITY DATA BY DISTRIBUTION AREA

Iron and Manganese

Iron is a common metal and a dietary mineral that is essential for maintaining human health. It is used in construction materials, in drinking water pipes, in paint pigments and plastics, and as a treatment for iron deficiency in humans. Iron can be elevated in drinking water in areas where there are high concentrations of iron in soil and rocks, and where iron salts are used in the water treatment process. Iron can also get into drinking water from corrosion of cast iron, steel, and galvanized iron pipes used for water distribution. Elevated levels of iron in water can result in a rusty color and sediment, a metallic taste, and reddish or orange staining.

Although iron is essential for good health, too much iron can cause adverse health effects. For example, oral exposure to very large amounts of iron can cause effects on the stomach and intestines (nausea, vomiting, diarrhea, constipation and stomach pain). These effects occur at iron exposure levels higher than those typically found in drinking water, and usually diminish once the elevated iron exposure is stopped. A small percentage of people have a condition called hemochromatosis, in which the body absorbs and stores too much iron. People with hemochromatosis may be at greater risk for health effects resulting from too much iron in the body (sometimes called “iron overload”) and should be aware of their overall iron intake. The New York State standard for iron in drinking water is 0.3 milligrams per liter, and

is based on the effects of iron on the taste, odor and appearance of the water.

Manganese is a common element in rocks, soil, water, plants, and animals. Manganese occurs naturally in water after dissolving from rocks and soil. It may also occur if manganese gets into surface or groundwater after improper waste disposal in landfills or by facilities using manganese in the production of steel or other products. Manganese is an essential nutrient that is necessary to maintain good health. However, exposure to too much manganese can cause adverse health effects. There is some evidence from human studies that long-term exposure to manganese in drinking water is associated with nervous system effects in adults (e.g., weakness, stiff muscles and trembling of the hands) and children (learning and behavior). The results of these studies only suggest an effect because the possible influences of other factors were not adequately assessed. There is supporting evidence that manganese causes nervous system effects in humans from occupational studies of workers exposed to high levels of manganese in air, but the relevance of these studies to long term drinking water exposure is less clear because the exposures were quite elevated and by inhalation, not by ingestion.

Radionuclides and Radiological Monitoring

Gross Alpha and Gross Beta

Most drinking water sources have very low levels of naturally occurring radioactive elements called radionuclides. These levels are low enough not to be considered a public health concern. Radionuclides can be present in several forms called isotopes which emit different types of radioactive particles called alpha or beta. Radioactivity in water is measured in picoCuries per liter (pCi/L). The EPA has set the maximum contaminant level (MCL), the highest level allowed in drinking water, for gross alpha (all alpha emitters except uranium and radon) at 15 pCi/L. NYS considers 50 pCi/L of gross beta activity to be the level of concern for gross beta. The gross alpha and gross beta results for each distribution area are noted on page 33.

Tritium

Some radionuclides emit gamma (also called photon) radiation. Common byproducts from nuclear reactors and waste, such as cesium-137, emit gamma radiation (also called photon emitters). Due to differences in energy levels, the MCL in pCi/L for a particular photon emitter will depend on the type of radionuclide present. Tritium, a radioactive isotope of the element hydrogen, is a weak beta emitter. It occurs naturally in the environment in very low concentrations, and may also be produced during nuclear weapon explosions and as a byproduct from nuclear reactors. The EPA has set a 20,000 pCi/L MCL for tritium. In 2023 we monitored 30 wells near Brookhaven National Laboratory for gross

alpha and beta particles, tritium, and gamma radiation. These wells are located in distribution areas 1 and 12. The gross alpha and gross beta results for these areas are listed in the chart on page 33. There were no detections of tritium or gamma radiation in the 54 samples tested.

Radium-226 and Radium-228

Radium, a naturally radioactive metal, occurs at very low levels in virtually all rock, soil, water, plants, and animals. Radium-226 and radium-228 are isotopes of radium. The EPA has set a combined MCL of 5 pCi/L for radium-226 and radium-228. If radium-226 is not tested, the gross alpha measurement is substituted for radium-226 to determine compliance with the MCL. Some people who drink water containing radium-226 or radium-228 in excess of the MCL over many years may have an increased risk of cancer.

From October 2007 through 2009, we monitored a well in each aquifer at all our well fields for gross alpha, gross beta and radium-228 as required, and presented the results for each year in our Drinking Water Quality Reports. Since that time, quarterly monitoring at new well fields or at new wells placed at a well field where the aquifer had not been monitored previously and continuing monitoring on existing wells as required has been performed. The results for each distribution area are noted in the chart on page 33.

RADIOLOGICAL TEST RESULTS (ALL DISTRIBUTION AREAS)

Radon, a naturally occurring radioactive gas found in soil and outdoor air, may also be found in drinking water and indoor air. Some people exposed to elevated radon levels from sources including drinking water may, over many years, have an increased risk of developing cancer. The main risk from radon is lung cancer entering indoor air from soil under homes. For further information, call the state radon program at (800) 458-1158 or call the EPA's Radon Hotline at (800) SOS-Radon.

In 2023 we monitored for radon at 81 locations throughout our distribution system. The results for each distribution area are noted in the chart below. The test results ranged from ND to 247 pCi/L of radon. Currently there is no MCL for radon. The EPA is proposing to require water suppliers to provide water with levels no higher than 4,000 pCi/L of radon.

Detected Compound	GROSS ALPHA				GROSS BETA				RADON-222				RADIUM-226				RADIUM-228			
Likely Source	Erosion of Natural Deposits				Natural deposits, man-made emissions				Naturally occurring radioactive gas				Erosion of Natural Deposits				Erosion of Natural Deposits			
MCL	15				50				N/A				5				5			
MCLG	0				0				0				0				0			
Unit of Measure	pCi/L				pCi/L				pCi/L				pCi/L				pCi/L			
	Range of Readings				Range of Readings				Range of Readings				Range of Readings				Range of Readings			
Distribution Area	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests
1	ND	ND	ND	52	ND	3.83	ND	52	ND	117	ND	16	ND	ND	ND	8	ND	1.26	ND	8
4	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1
5	2.12	2.12	2.12	1	2.01	2.01	2.01	1	127	127	127	1	NA	NA	NA	0	NA	NA	NA	0
6	ND	ND	ND	3	ND	ND	ND	3	ND	177	175.5	2	ND	ND	ND	1	ND	ND	ND	1
7	ND	ND	ND	2	ND	7.22	4.11	2	ND	ND	ND	1	ND	ND	ND	1	1.12	1.12	1.12	1
8	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1
9	ND	2.77	ND	5	ND	ND	ND	5	ND	ND	ND	2	ND	ND	ND	3	ND	ND	ND	3
10	ND	ND	ND	5	ND	4.54	2.04	5	ND	ND	ND	2	ND	ND	ND	3	ND	1.78	ND	3
11	ND	2.30	ND	13	ND	3.42	2.42	13	ND	ND	ND	2	ND	1.27	ND	11	ND	2.04	ND	11
12	ND	ND	ND	47	ND	3.85	ND	47	ND	162	ND	13	ND	ND	ND	15	ND	ND	ND	15
14	ND	ND	ND	3	ND	ND	ND	3	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1
15	ND	2.58	ND	16	ND	3.30	ND	16	ND	120	ND	6	ND	1.28	ND	10	ND	ND	ND	10
23	ND	ND	ND	15	ND	2.48	ND	15	ND	111	ND	5	ND	ND	ND	10	ND	1.32	ND	10
26	ND	ND	ND	3	ND	ND	ND	3	ND	247	115.7	3	NA	NA	NA	0	NA	NA	NA	0
30	ND	ND	ND	4	ND	2.05	ND	4	ND	ND	ND	3	ND	ND	ND	1	ND	ND	ND	1
32	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1
34	ND	ND	ND	2	ND	ND	ND	2	196	196	196	1	ND	ND	ND	1	ND	ND	ND	1
35	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1
44	ND	ND	ND	1	3.21	3.21	3.21	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
53	ND	ND	ND	7	ND	3.80	2.48	7	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	3
54	ND	ND	ND	6	ND	2.26	ND	6	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	1
57	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1
64	1.54	1.54	1.54	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
EFWD	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	2	NA	NA	NA	0	NA	NA	NA	0
RSWD	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
SBWD	ND	ND	ND	2	ND	ND	ND	2	ND	104	ND	2	NA	NA	NA	0	NA	NA	NA	0
WNWD	ND	ND	ND	1	2.13	2.13	2.13	1	137	137	137	1	NA	NA	NA	0	NA	NA	NA	0

Asbestos Monitoring

Asbestos-cement water mains are made from cement with asbestos fibers added to make the pipes strong. Although drinking water can pass through these pipes without becoming contaminated with asbestos fibers, asbestos fibers may be released through the wear or breakdown of these mains; erosion of natural deposits. The EPA has set the maximum contaminant level (MCL) for asbestos at 7.0 million fibers per liter (MFL). Some people who drink water containing asbestos in excess of the MCL over many years may have an increased risk of developing benign intestinal polyps. Although testing is required every nine years, the SCWA tests every year.

In 2023 we monitored 18 sampling station locations where asbestos-cement pipes exist and 5 production wells. All locations were non-detect (no asbestos fibers were present).

MAXIMUM CONTAMINANT LEVEL DEFERRALS

PFOS, PFOA and 1,4-Dioxane

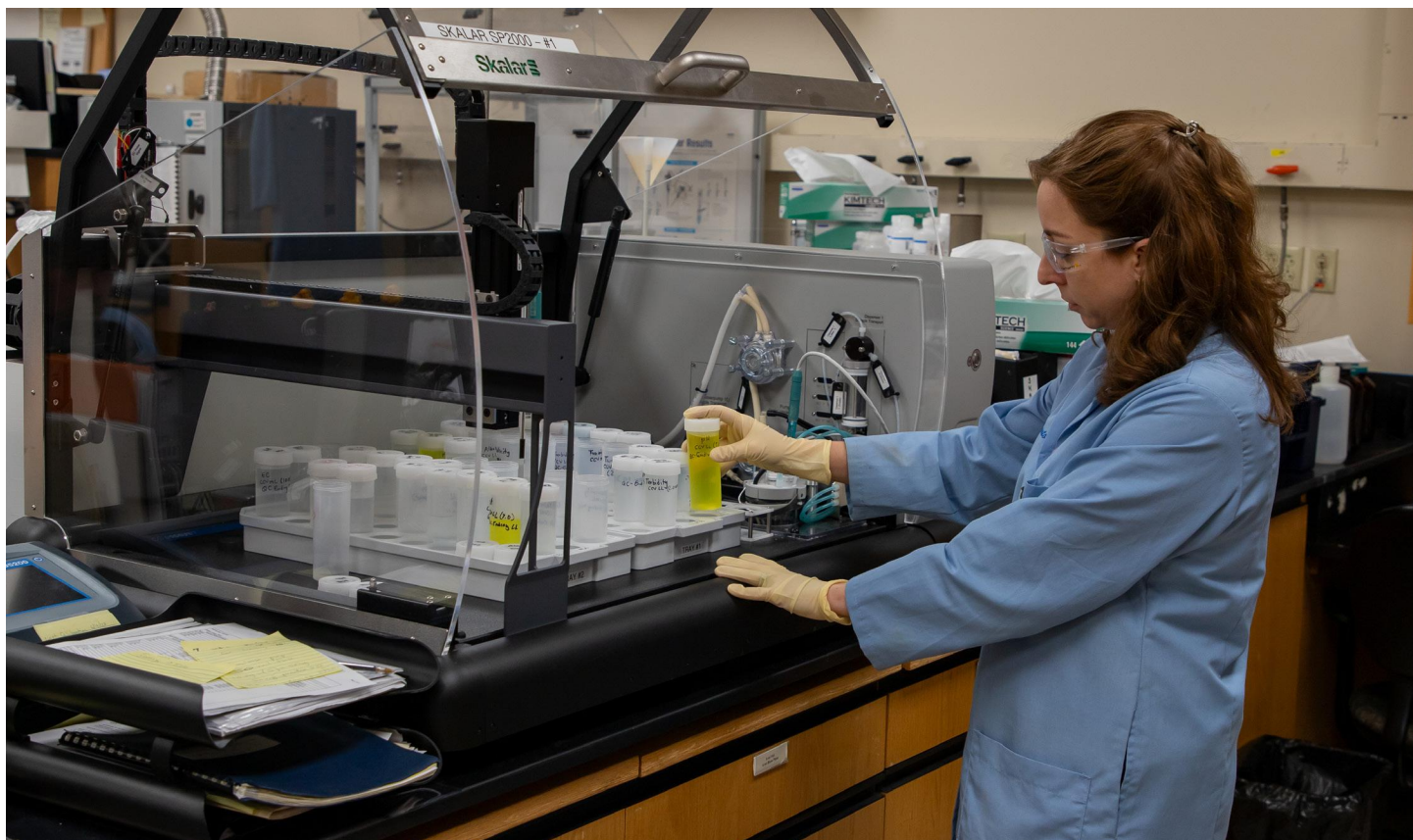
When a public water system (PWS) is issued a deferral, the water system agrees to a schedule for corrective action and compliance with the new PFOS, PFOA or 1,4-dioxane MCLs. In exchange, the New York State Department of Health (the Department) agrees to defer enforcement actions, such as assessing fines, if the PWS is meeting established deadlines. Deferral recipients are required to update the Department and the Suffolk County Department of Health Services each calendar quarter on the status of established deadlines. The Department can resume enforcement if the agreed upon deadlines are not met. Information about our deferral and established deadline can be found at the following site:

<https://www.scwa.com/emerging-contaminants/>

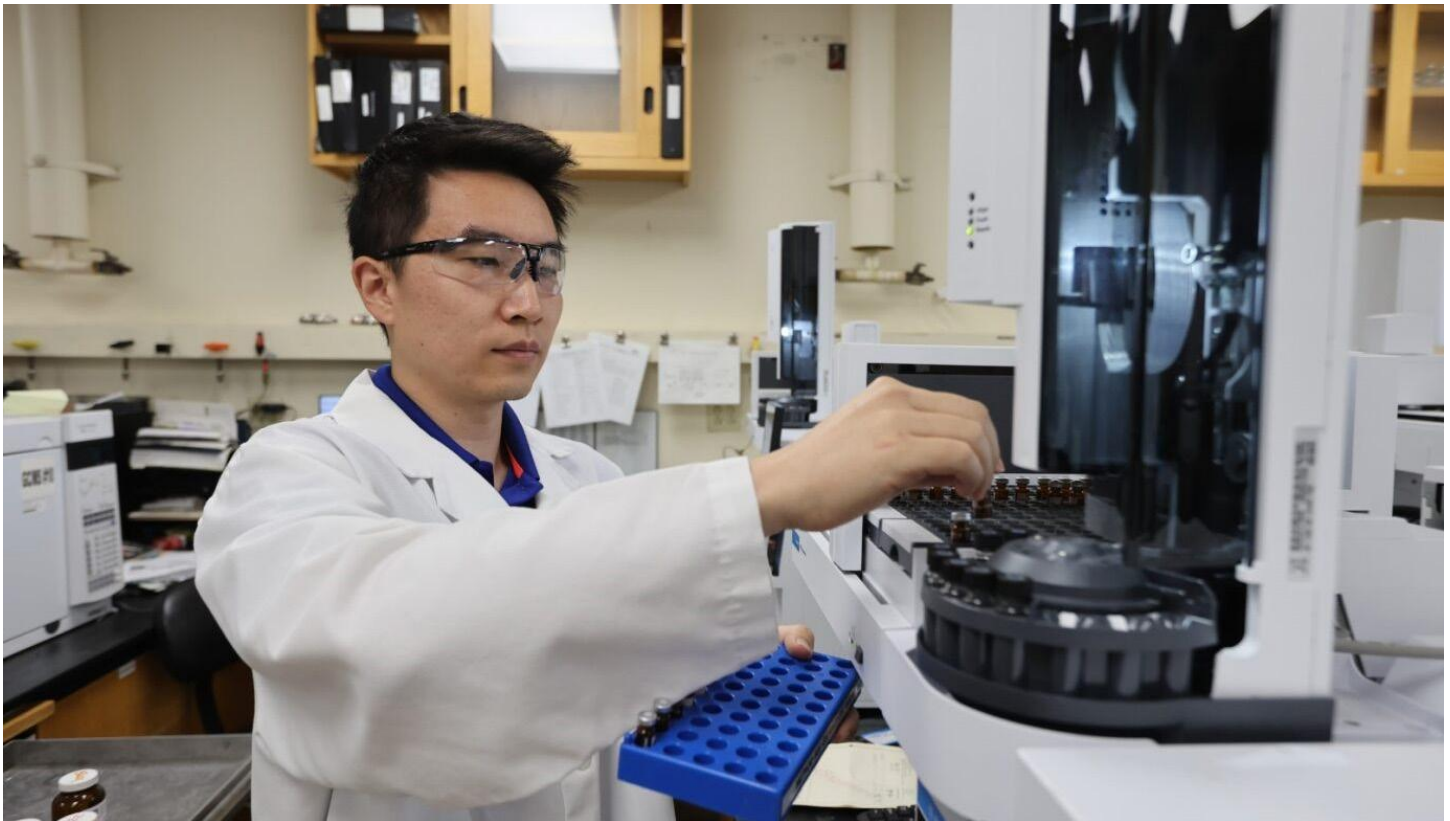
What is being done to remove these contaminants?

SCWA is installing granular activated carbon treatment systems at impacted wells to remove PFOA and PFOS and advanced oxidation process systems to remove 1,4-dioxane. In the interim, SCWA will make every effort to operationally minimize the concentration of 1,4-dioxane, PFOA and PFOS in the distribution system at any given time. Additional information will be shared monthly on our website at www.scwa.com as further testing and progress occurs. This process is similar for any chemical detected in public drinking water that requires mitigation. The compliance timetable will ensure that your drinking water will meet the MCL as rapidly as possible. As of August 25, 2022, the SCWA has not applied for a one-year deferral extension for PFOA and PFOS. Treatment has been installed at impacted wells and are currently meeting or surpassing all federal and state standards. SCWA applied for a final one-year extension for 1,4-dioxane that expired August 25, 2023. Since then we have completed the requirements for the deferral and are in compliance with the MCL for PFOA, PFOS, and 1,4 Dioxane.

Residents of the Town of Southold are advised that SCWA purchases wholesale water from the Riverhead Water District (RWD) for resale to our Southold customers and that the RWD has also been issued a deferral by the New York State Department of Health for PFOA and PFOS. SCWA's Southold customers may view information on the RWD deferral and steps the district is taking in order to comply by visiting their website at: <https://www.townofriverheadny.gov/pview.aspx?id=2492&catID=118>



WATER QUALITY DATA BY DISTRIBUTION AREA



2023 Nitrosamine Test Results for Distribution Area 12*

One well in Distribution Area 12 has nitrosamines. Currently granular activated carbon (GAC) treatment is being used at these wells for nitrosamine removal. Nitrosamines can be formed by a byproduct of the disinfection of drinking water or found as a contaminant in drinking water from manufacturing processes such as for rubber and latex products. Additionally, nitrosamines are found in tobacco smoke, cosmetics and food products such as cured meats and fish, beer and smoked products, and they also form in the body from the nitrosation of dietary amines. The EPA has classified several nitrosamines as probable carcinogens, but has not set an MCL. The nitrosamines were measured at extremely low levels, in parts per trillion or ppt. A summary of the 2023 test results for Distribution Area 12 is shown in the chart below.

Detected Compounds	Unit of Measure	Low Value	High Value	Average Value	No. of Tests
N-Nitrosomorpholine	ppt	ND	2.7	ND	11

* Please see map on pages 2 and 3 for the location of Distribution Area 12

2023 AOP Byproduct Test Results for Distribution Areas 5, 6, 7, 9 and 12

At wells located in Distribution Areas 5, 6, 7, 9 and 12 the Suffolk County Water Authority utilizes an AOP (Advanced Oxidation Process) to treat for an emerging contaminant, 1,4-Dioxane. The New York State Department of Health required the SCWA to perform additional testing for specific Aldehydes and Carboxylic Acids. These compounds are potential by-products of the treatment process and are indicators of the effectiveness of the AOP system. There were no positives detected in 2023.