

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

SCWA Laboratory Method PFAAs					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																			
Perfluorobutanoic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	464	No	ND	ND	ND	8	No	ND	ND	ND	12
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	464	No	ND	ND	ND	8	No	ND	ND	ND	12
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.012	ND	464	No	ND	ND	ND	8	No	ND	ND	ND	12
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	464	No	ND	ND	ND	8	No	ND	ND	ND	12

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 EPA Method 533																			
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	0.003	ND	248	No	ND	ND	ND	5	No	ND	ND	ND	6
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.006	ND	248	No	ND	ND	ND	5	No	ND	ND	ND	6
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.007	ND	248	No	ND	ND	ND	5	No	ND	ND	ND	6
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.010	ND	248	No	ND	ND	ND	5	No	ND	ND	ND	6
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.007	ND	248	No	ND	ND	ND	5	No	ND	ND	ND	6
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.008	ND	248	No	ND	ND	ND	5	No	ND	ND	ND	6
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	0.003	ND	248	No	ND	ND	ND	5	No	ND	ND	ND	6
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.011	ND	248	No	ND	ND	ND	5	No	ND	ND	ND	6

SCWA Laboratory Method PFAAs					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
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluorobutanoic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	5	No	ND	ND	ND	8
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	5	No	ND	ND	ND	8
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	5	No	ND	ND	ND	8
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	5	No	ND	ND	ND	8

EPA Method 533					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
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533																			
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	20	No	NA	NA	NA	0	No	ND	ND	ND	6
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	20	No	NA	NA	NA	0	No	ND	0.005	ND	6
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	20	No	NA	NA	NA	0	No	ND	ND	ND	6
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	20	No	NA	NA	NA	0	No	ND	ND	ND	6
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.002	ND	20	No	NA	NA	NA	0	No	ND	ND	ND	6
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	20	No	NA	NA	NA	0	No	ND	ND	ND	6
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	20	No	NA	NA	NA	0	No	ND	ND	ND	6
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	20	No	NA	NA	NA	0	No	ND	ND	ND	6

SCWA Laboratory Method PFAAs					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
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluorobutanoic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	25	No	ND	ND	ND	49	No	ND	ND	ND	63
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	25	No	ND	ND	ND	49	No	ND	ND	ND	63
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	25	No	ND	ND	ND	49	No	ND	ND	ND	63
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	25	No	ND	ND	ND	49	No	ND	ND	ND	63

\* 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 = 0.05 mg/L.

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

EPA Method 533					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
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533																			
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	16	No	ND	ND	ND	21
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	7	No	ND	0.003	ND	16	No	ND	ND	ND	21
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	16	No	ND	ND	ND	21
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.004	ND	7	No	ND	ND	ND	16	No	ND	ND	ND	21
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	7	No	ND	0.002	ND	16	No	ND	ND	ND	21
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.003	ND	7	No	ND	0.003	ND	16	No	ND	ND	ND	21
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	16	No	ND	ND	ND	21
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.003	ND	7	No	ND	0.003	ND	16	No	ND	ND	ND	21

SCWA Laboratory Method PFAAs					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																			
Perfluorobutanoic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	0.010	ND	353	No	ND	ND	ND	14	No	ND	ND	ND	249
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	353	No	ND	ND	ND	14	No	ND	ND	ND	249
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.022	ND	353	No	ND	ND	ND	14	No	ND	0.020	ND	249
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	0.016	ND	353	No	ND	ND	ND	14	No	ND	0.015	ND	249

EPA Method 533					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 EPA Method 533																			
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	118	No	ND	ND	ND	10	No	ND	ND	ND	69
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.003	ND	118	No	ND	ND	ND	10	No	ND	ND	ND	69
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	118	No	ND	ND	ND	10	No	ND	ND	ND	69
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	118	No	ND	ND	ND	10	No	ND	ND	ND	69
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.005	ND	118	No	ND	ND	ND	10	No	ND	0.003	ND	69
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.003	ND	118	No	ND	ND	ND	10	No	ND	0.003	ND	69
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	118	No	ND	ND	ND	10	No	ND	ND	ND	69
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.003	ND	118	No	ND	ND	ND	10	No	ND	0.004	ND	69

SCWA Laboratory Method PFAAs					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																			
Perfluorobutanoic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	0.012	ND	145	No	ND	ND	ND	33	No	ND	0.047	ND	145
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.012	ND	145	No	ND	ND	ND	33	No	ND	ND	ND	145
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.016	ND	145	No	ND	ND	ND	33	No	ND	ND	ND	145
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	0.022	ND	145	No	ND	0.022	ND	33	No	ND	0.097	ND	145

EPA Method 533					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 EPA Method 533																			
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	0.011	ND	73	No	ND	ND	ND	19	No	ND	ND	ND	83
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	73	No	ND	ND	ND	19	No	ND	0.002	ND	83
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	73	No	ND	0.006	ND	19	No	ND	ND	ND	83
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.005	ND	73	No	ND	ND	ND	19	No	ND	ND	ND	83
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.003	ND	73	No	ND	0.004	ND	19	No	ND	ND	ND	83
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.006	ND	73	No	ND	0.026	0.003	19	No	ND	0.003	ND	83
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	73	No	ND	ND	ND	19	No	ND	ND	ND	83
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.010	ND	73	No	ND	0.025	0.003	19	No	ND	0.006	ND	83

\* 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 = 0.05 mg/L.

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

SCWA Laboratory Method PFAAs					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																			
Perfluorobutanoic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	10
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	10
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	10
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	10

EPA Method 533					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 EPA Method 533																			
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	4	No	ND	ND	ND	4
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	4	No	ND	ND	ND	4
Perfluorobutanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	4	No	ND	ND	ND	4
Perfluoroheptanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	4	No	ND	ND	ND	4
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	4	No	ND	ND	ND	4
Perfluorohexanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	4	No	ND	ND	ND	4
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	4	No	ND	ND	ND	4
Perfluoropentanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	4	No	ND	ND	ND	4

SCWA Laboratory Method PFAAs					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																			
Perfluorobutanoic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30

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 EPA Method 533																			
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	10	No	ND	ND	ND	15
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	10	No	ND	0.002	ND	15
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	10	No	ND	ND	ND	15
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	10	No	ND	ND	ND	15
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	10	No	ND	ND	ND	15
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	10	No	ND	ND	ND	15
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	10	No	ND	ND	ND	15
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	10	No	ND	ND	ND	15

SCWA Laboratory Method PFAAs					Distribution Area 57					Distribution Area 64					Distribution Area EFWD				
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																			
Perfluorobutanoic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	6
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	6
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	6
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	6

EPA Method 533					Distribution Area 57					Distribution Area 64					Distribution Area EFWD				
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 EPA Method 533																			
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	6	No	NA	NA	NA	0
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	6	No	NA	NA	NA	0
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	6	No	NA	NA	NA	0
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	6	No	NA	NA	NA	0
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	6	No	NA	NA	NA	0
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	6	No	NA	NA	NA	0
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	6	No	NA	NA	NA	0
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	6	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 = 0.05 mg/L.

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

SCWA Laboratory Method PFAAs					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																			
Perfluorobutanoic Acid	Released into the environment from widespread 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	12
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	12
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	12
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	12

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
Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533																			
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Perfluorobutanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Perfluoroheptanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Perfluorohexanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Perfluoropentanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	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 = 0.05 mg/L.



# WATER QUALITY DATA BY DISTRIBUTION AREA

## Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & 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	0.008	ND	712	No	ND	ND	ND	13	No	ND	ND	ND	18
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.008	ND	712	No	ND	ND	ND	13	No	ND	ND	ND	18

					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	0.003	ND	72	No	ND	ND	ND	5	No	ND	ND	ND	14
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.002	ND	72	No	ND	ND	ND	5	No	ND	ND	ND	14

					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
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	32	No	ND	0.010	ND	65	No	ND	0.004	ND	84
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	32	No	ND	ND	ND	65	No	ND	0.005	ND	84

					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	0.008	ND	471	No	ND	0.002	ND	24	No	ND	0.008	ND	318
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.010	ND	471	No	ND	ND	ND	24	No	ND	0.008	0.002	318

					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	218	No	ND	0.006	ND	52	No	ND	0.002	ND	228
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.005	ND	218	No	ND	0.005	ND	52	No	ND	0.003	ND	228

					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	0.003	ND	10	No	ND	ND	ND	10	No	ND	ND	ND	14
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	10	No	ND	ND	ND	14

\* August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctanesulfonic Acids (PFOS), see page 32.

\*\* 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 = 0.05 mg/L.

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & 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	10	No	ND	ND	ND	30	No	ND	ND	ND	45
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	No	ND	ND	ND	45

					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	0.002	ND	10	No	ND	0.002	ND	18	No	ND	ND	ND	6
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	18	No	ND	ND	ND	6

					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
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	0.006	ND	12
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.006	0.002	12

\* August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctanesulfonic Acid (PFOS), see page 32.

\*\* 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 = 0.05 mg/L.



## 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:

in drinking water and does not require testing. In 2022 all of our wells were tested for 37 PPCPs; Acesulfame-K, Carbamazepine, Dilantin, Gemfibrozil, Glycyrrhic Acid, Ibuprofen, Meprobamate, Phenobarbital, 5-(4-Hydroxyphenyl)-5-Phenylhydantoin, Imidacloprid, Primidone, Saccharin, 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 13-14.

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

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					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	2.69	0.06	358	No	ND	ND	ND	8	No	ND	ND	ND	10
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	358	No	ND	ND	ND	8	No	ND	ND	ND	10
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	0.10	ND	358	No	ND	ND	ND	8	No	ND	ND	ND	10
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	0.05	ND	358	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	0.09	ND	358	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	0.45	ND	358	No	ND	ND	ND	8	No	ND	ND	ND	10
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	358	No	ND	ND	ND	8	No	ND	ND	ND	10
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	358	No	ND	ND	ND	8	No	ND	ND	ND	10
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	358	No	ND	ND	ND	8	No	ND	ND	ND	10
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.15	ND	358	No	ND	ND	ND	8	No	ND	ND	ND	10
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	0.11	ND	358	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	0.07	ND	358	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	0.46	ND	358	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	3.67	0.09	358	No	ND	ND	ND	8	No	ND	ND	ND	10
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	0.05	ND	358	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	0.32	ND	45	No	ND	ND	ND	4	No	ND	0.08	ND	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
Dilantin	Antiepileptic 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
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	0.21	ND	45	No	ND	ND	ND	4	No	ND	ND	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	0.08	ND	20	No	ND	0.20	0.05	36	No	ND	0.92	0.08	46
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46
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	36	No	ND	ND	ND	46
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	0.31	ND	46
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	0.47	ND	46
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	36	No	ND	ND	ND	46

# 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	2.86	0.16	287	No	ND	0.83	0.10	17	No	ND	3.63	0.40	201
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	287	No	ND	ND	ND	17	No	ND	0.10	ND	201
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	287	No	ND	ND	ND	17	No	ND	ND	ND	201
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	0.26	ND	287	No	ND	ND	ND	17	No	ND	ND	ND	201
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	287	No	ND	ND	ND	17	No	ND	ND	ND	201
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	0.23	ND	287	No	ND	ND	ND	17	No	ND	ND	ND	201
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	0.06	ND	287	No	ND	ND	ND	17	No	ND	ND	ND	201
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	0.09	ND	287	No	ND	ND	ND	17	No	ND	ND	ND	201
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	0.08	ND	287	No	ND	ND	ND	17	No	ND	0.06	ND	201
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	287	No	ND	ND	ND	17	No	ND	ND	ND	201
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	287	No	ND	ND	ND	17	No	ND	ND	ND	201
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.06	ND	287	No	ND	0.06	ND	17	No	ND	0.05	ND	201
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.07	ND	287	No	ND	ND	ND	17	No	ND	ND	ND	201
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	4.60	0.28	287	No	ND	0.32	0.06	17	No	ND	3.83	0.43	201
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	287	No	ND	ND	ND	17	No	ND	ND	ND	201

					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	0.70	0.13	128	No	ND	2.25	0.45	33	No	ND	0.79	0.10	137
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	33	No	ND	ND	ND	137
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	33	No	ND	ND	ND	137
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	33	No	ND	ND	ND	137
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	33	No	ND	ND	ND	137
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	33	No	ND	ND	ND	137
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	0.17	ND	128	No	ND	ND	ND	33	No	ND	ND	ND	137
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	0.11	ND	128	No	ND	ND	ND	33	No	ND	0.10	ND	137
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	33	No	ND	ND	ND	137
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	33	No	ND	ND	ND	137
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	33	No	ND	ND	ND	137
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	128	No	ND	2.14	0.14	33	No	ND	ND	ND	137
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.06	ND	128	No	ND	0.13	ND	33	No	ND	ND	ND	137
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	2.33	0.18	128	No	ND	1.39	0.40	33	No	ND	0.95	0.16	137
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	33	No	ND	ND	ND	137

					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	0.06	ND	6	No	ND	0.05	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
Dilantin	Antiepileptic 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	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	1.01	0.23	6	No	ND	0.10	0.05	6	No	ND	0.83	0.11	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	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
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	20	No	ND	ND	ND	31
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.26	0.12	6	No	ND	ND	ND	20	No	ND	ND	ND	31
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	31

# 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	0.19	0.11	7	No	ND	0.13	0.07	14	No	ND	ND	ND	6
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	14	No	ND	ND	ND	6
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	14	No	ND	ND	ND	6
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	14	No	ND	ND	ND	6
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	14	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	7	No	ND	ND	ND	14	No	ND	ND	ND	6
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	14	No	ND	ND	ND	6
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	14	No	ND	ND	ND	6
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	14	No	ND	ND	ND	6
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	14	No	ND	ND	ND	6
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	14	No	ND	ND	ND	6
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	0.09	ND	14	No	ND	ND	ND	6
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	0.34	ND	14	No	ND	ND	ND	6
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.57	0.25	7	No	ND	0.30	0.11	14	No	ND	ND	ND	6
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	7	No	ND	ND	ND	14	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	0.11	0.05	5	No	ND	0.69	0.17	12
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12
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	5	No	ND	ND	ND	12
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	0.18	ND	12
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	0.24	0.08	5	No	ND	1.64	0.33	12
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	5	No	ND	ND	ND	12

## 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](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	1.54	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	4
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	2.48	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	4
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	5.86	0.27	487	No	ND	0.76	0.28	8	No	ND	1.69	ND	57
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	3.18	ND	487	No	ND	ND	ND	8	No	ND	1.91	ND	57
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.02	1.48	0.11	398	No	0.05	0.09	0.06	8	No	0.03	0.33	0.08	10
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	6.51	0.49	487	No	ND	2.75	0.75	8	No	ND	1.20	ND	57
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.80	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	4
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	5.89	ND	487	No	ND	ND	ND	8	No	ND	1.51	ND	57
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	2.55	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	4
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	ND	1.80	0.92	3,909	No	0.67	1.50	1.09	45	No	0.30	1.49	0.88	155
Monobromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	4
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.24	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	4
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.75	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	4

(\*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	0.96	ND	6	No	ND	ND	ND	4	No	NA	NA	NA	0
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	4	No	NA	NA	NA	0
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	3.37	ND	189	No	ND	0.48	ND	14	No	ND	ND	ND	10
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.87	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.03	0.12	0.08	48	No	0.06	0.08	0.07	4	No	0.04	0.09	0.07	9
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	3.97	ND	189	No	ND	0.51	ND	14	No	ND	0.27	ND	10
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.49	ND	6	No	ND	ND	ND	4	No	NA	NA	NA	0
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.70	ND	189	No	ND	0.46	ND	14	No	ND	ND	ND	10
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.25	ND	6	No	ND	ND	ND	4	No	NA	NA	NA	0
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.31	1.69	0.97	706	No	0.43	1.26	0.91	156	No	0.75	1.46	1.05	62
Monobromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	4	No	NA	NA	NA	0
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	4	No	NA	NA	NA	0
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.69	ND	6	No	ND	ND	ND	4	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	2	No	ND	ND	ND	10	No	ND	ND	ND	6
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	10	No	ND	ND	ND	6
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	4.35	ND	81	No	ND	0.64	ND	121	No	ND	1.23	ND	193
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.01	ND	81	No	ND	0.79	ND	121	No	ND	1.56	ND	193
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.06	0.16	0.09	19	No	0.03	0.15	0.08	38	No	0.03	0.24	0.08	44
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	7.33	0.58	81	No	ND	1.01	0.34	121	No	ND	1.38	ND	192
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	10	No	ND	ND	ND	6
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.74	ND	81	No	ND	0.63	ND	121	No	ND	1.61	ND	193
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	10	No	ND	ND	ND	6
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.42	1.38	0.96	347	No	0.40	1.55	0.89	673	No	0.61	1.54	1.02	543
Monobromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	3.65	2.03	2	No	ND	ND	ND	10	No	ND	ND	ND	6
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	2	No	ND	1.80	ND	10	No	ND	ND	ND	6
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	2	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	2.85	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	1.48	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	10.31	0.29	539	No	ND	0.97	0.28	22	No	ND	1.89	ND	338
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	6.06	ND	539	No	ND	0.35	ND	22	No	ND	1.86	ND	338
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	0.55	0.11	310	No	0.05	0.15	0.08	14	No	ND	1.54	0.15	226
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	10.13	0.46	542	No	ND	1.27	0.42	22	No	ND	2.61	0.49	340
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.53	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	9.73	0.28	539	No	ND	0.86	ND	22	No	ND	1.61	ND	338
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	4.24	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.40	1.90	0.96	2,749	No	0.38	1.39	0.95	267	No	0.25	1.91	0.97	2,052
Monobromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.31	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.05	ND	40	No	ND	ND	ND	4	No	ND	0.45	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	11	No	ND	1.16	ND	4	No	ND	2.04	ND	10
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	11	No	ND	0.92	ND	4	No	ND	ND	ND	10
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.34	ND	216	No	ND	3.25	0.42	68	No	ND	3.92	0.29	193
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	3.70	ND	216	No	ND	2.50	0.33	68	No	ND	2.95	0.32	193
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.04	0.55	0.14	129	No	0.10	0.25	0.16	35	No	ND	0.83	0.14	117
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	5.72	1.12	216	No	ND	5.96	1.03	68	No	ND	11.80	0.60	193
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.00	0.44	11	No	ND	0.98	0.58	4	No	0.48	1.74	1.03	10
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.56	ND	216	No	ND	4.32	0.52	68	No	ND	5.00	0.41	193
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	11	No	ND	ND	ND	4	No	ND	1.92	ND	10
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.31	1.86	0.91	1,255	No	0.39	1.41	0.88	261	No	0.08	1.70	0.90	845
Monobromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	11	No	ND	ND	ND	4	No	ND	ND	ND	10
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	11	No	ND	ND	ND	4	No	ND	ND	ND	10
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	11	No	ND	ND	ND	4	No	ND	0.96	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 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	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	ND	ND	8	No	ND	1.01	ND	10	No	ND	0.93	ND	34
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	ND	ND	8	No	ND	0.30	ND	10	No	ND	0.52	ND	34
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.06	0.30	0.16	6	No	0.07	0.14	0.10	6	No	0.09	0.19	0.13	10
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	3.26	1.11	8	No	1.15	2.54	2.02	10	No	ND	0.47	ND	34
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	ND	ND	8	No	ND	0.97	ND	10	No	ND	1.38	ND	34
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	0.41	1.35	0.89	59	No	0.47	1.55	0.91	106	No	0.66	1.54	1.08	100
Monobromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	NA	NA	NA	0
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	ND	ND	8	No	ND	ND	ND	4
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	NA	NA	NA	0	No	ND	0.98	ND	8	No	ND	ND	ND	4
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.25	0.27	10	No	ND	1.94	0.62	30	No	ND	1.65	0.38	35
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.65	ND	10	No	ND	ND	ND	30	No	ND	ND	ND	35
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.07	0.18	0.12	6	No	0.02	0.19	0.06	30	No	0.02	0.84	0.10	64
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	0.26	2.15	1.64	10	No	ND	6.18	1.55	30	No	ND	10.71	1.19	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	1.61	0.31	10	No	ND	0.81	ND	30	No	ND	0.56	ND	35
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	3.22	2.03	8	No	ND	1.31	ND	4
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.46	1.32	0.83	56	No	0.58	1.50	0.99	80	No	0.29	1.64	0.95	144
Monobromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	8	No	ND	ND	ND	4
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	8	No	ND	ND	ND	4
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	4.19	2.40	8	No	0.45	1.45	0.81	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	3	No	ND	ND	ND	12
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	3	No	ND	ND	ND	12
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.83	0.38	18	No	ND	2.37	0.32	17	No	ND	1.56	0.66	22
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.49	0.25	18	No	ND	2.08	0.26	17	No	ND	0.75	ND	22
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.07	0.28	0.17	6	No	0.10	0.17	0.13	13	No	0.05	0.15	0.09	14
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	0.29	3.28	2.32	18	No	1.08	3.24	2.33	17	No	ND	1.79	0.74	22
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	0.52	ND	3	No	ND	ND	ND	12
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	3.14	0.42	18	No	ND	3.43	0.39	17	No	ND	1.16	0.54	22
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	3	No	ND	ND	ND	12
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.39	1.31	0.76	56	No	0.70	1.20	1.03	30	No	0.53	1.27	0.88	169
Monobromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	3	No	ND	ND	ND	12
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	3	No	ND	ND	ND	12
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	3	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 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	8	No	NA	NA	NA	0
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	NA	NA	NA	0
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.91	0.38	12	No	ND	0.60	0.26	14	No	ND	0.50	ND	16
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	0.41	ND	16
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.04	0.09	0.07	10	No	0.04	0.17	0.08	12	No	0.02	0.23	0.13	14
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	0.51	1.50	0.95	12	No	ND	0.70	0.43	14	No	ND	21.51	3.37	16
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	NA	NA	NA	0
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.67	0.31	12	No	ND	0.44	ND	14	No	ND	0.67	ND	16
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	NA	NA	NA	0
Free Chlorine	Used as a disinfectant	4	n/a	mg/l	No	0.31	1.18	0.83	56	No	0.35	1.77	0.87	105	No	0.75	1.35	1.05	17
Monobromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	NA	NA	NA	0
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	NA	NA	NA	0
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	8	No	NA	NA	NA	0
(**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](http://www.epa.gov/safewater/lead).

## 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 2022 LCR results, we have optimal corrosion control. Additional information on our pH treatment can be found on page 41.

## 2022 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) <sup>1,2</sup>	No. of Samples Over Action Level
SCWA	No	7/07-9/09	52	ND-5.93	2.32	0
Fire Island	No	7/14-8/17	25	ND-19.1	3.99	1
Stony Brook	No	8/23-8/29	21	ND-1.22	1.14	0
Riverside	No	8/03-8/15	14	ND-3.56	ND	0
E. Farmingdale	No	8/15-9/01	23	ND-4.00	1.53	0
Dering Harbor	No	8/03-8/05	6	ND-ND	ND	0
West Neck	No	8/03-8/31	5	ND-ND	ND	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) <sup>1,2</sup>	No. of Samples Over Action Level
SCWA	No	7/07-9/09	52	ND-1.16	0.454	0
Fire Island	No	7/14-8/17	25	ND-3.48	0.506	1
Stony Brook	No	8/23-8/29	21	0.0767-0.817	0.421	0
Riverside	No	8/03-8/15	14	0.0349-0.556	0.421	0
E. Farmingdale	No	8/15-9/01	23	0.0569-0.267	0.207	0
Dering Harbor	No	8/03-8/05	6	0.0278-0.301	0.245	0
West Neck	No	8/03-8/31	5	0.0679-0.792	0.786	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, 146 total samples were collected from the water systems shown above and the 90th percentile values ranged from ND to 19.1 ug/l for lead. The action level for lead was exceeded at one of the 146 sites tested, on Fire Island, as noted above.

(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, 146 total samples were collected from the water systems shown above and the 90th percentile values ranged from ND to 3.48 mg/l for copper. The action level for copper was exceeded at one of the 146 sites tested, on Fire Island, as noted above.

# 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	102.6	35.9	346	No	33.4	57.2	41.6	8	No	29.0	85.4	47.5	10
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.23	0.03	634	No	ND	0.10	0.07	8	No	ND	0.15	0.02	50
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	0.78	ND	425	No	ND	ND	ND	8	No	ND	ND	ND	10
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	2.7	ND	634	No	ND	ND	ND	8	No	ND	ND	ND	50
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.08	ND	634	No	ND	ND	ND	8	No	ND	0.21	0.05	50
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	0.62	ND	1,020	No	ND	0.11	ND	38	No	ND	ND	ND	12
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	94.2	ND	398	No	ND	ND	ND	8	No	ND	90.0	ND	10
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	0.3	ND	634	No	ND	ND	ND	8	No	ND	ND	ND	50
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	ND	58.5	12.3	1,020	No	ND	0.7	0.5	38	No	9.5	50.5	25.4	12
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	4.0	147.8	19.0	386	No	3.6	4.0	3.8	8	No	10.1	147.0	74.4	41
Chromium, total	Natural deposits	100	100	ug/L	No	ND	1.9	ND	634	No	ND	ND	ND	8	No	ND	4.4	1.3	50
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.1	32.1	4.3	346	No	3.8	9.5	5.3	8	No	3.2	17.4	8.7	10
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	4.6	ND	634	No	ND	ND	ND	8	No	ND	ND	ND	50
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	12	ND	346	No	ND	7	ND	8	No	ND	ND	ND	10
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.20	ND	634	No	ND	ND	ND	8	No	ND	0.14	ND	50
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	0.5	ND	386	No	ND	ND	ND	8	No	ND	ND	ND	41
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	ND	177.0	37.1	1,020	No	ND	2.3	ND	38	No	39.8	177.5	94.0	12
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	1.88	0.15	377	No	ND	0.16	ND	8	No	ND	4.20	1.33	41
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	915	205	1,020	Yes	206	439	279	38	No	ND	59	ND	12
Lead	Household plumbing, lead solder	AL=15	0	mg/l	No	ND	1.1	ND	634	No	ND	ND	ND	8	No	ND	ND	ND	50
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	8.8	2.0	634	No	3.6	4.3	4.0	8	No	ND	2.0	ND	50
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.24	8.24	1.51	1,020	No	ND	ND	ND	38	No	3.91	12.51	7.46	12
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	331	12	1,020	No	ND	ND	ND	38	No	ND	ND	ND	12
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	634	No	ND	ND	ND	8	No	ND	ND	ND	50
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	7.0	1.1	634	No	ND	ND	ND	8	No	ND	2.1	0.5	50
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	7.02	0.58	385	No	ND	0.02	ND	8	No	0.26	9.03	5.50	41
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	1.95	0.16	348	No	ND	ND	ND	8	No	ND	0.99	0.63	12
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	9.0	7.4	627	No	6.9	7.7	7.3	10	No	6.7	9.0	7.2	16
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.3	9.5	7.4	3,891	No	7.0	8.2	7.4	45	No	6.8	9.0	7.3	155
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	3.51	0.58	1,020	No	0.29	5.65	1.76	38	No	ND	ND	ND	12
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.24	5.51	0.66	1,020	No	1.16	1.49	1.28	38	No	0.87	2.35	1.44	12
Silicon	Naturally occurring	n/a	n/a	mg/L	No	2.8	8.1	4.9	634	No	4.2	4.4	4.3	8	No	6.5	8.4	7.3	50
Sodium	Naturally occurring	n/a	n/a	mg/L	No	2.8	63.9	7.4	1,020	No	20.0	26.9	22.5	38	No	8.2	69.7	28.8	12
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	46	500	128	346	No	96	117	105	8	No	130	724	288	10
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.171	0.037	634	No	ND	ND	ND	8	No	0.033	0.153	0.064	50
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	52.0	6.8	386	No	7.3	8.5	7.9	8	No	4.8	20.8	12.9	41
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	10.2	ND	1,020	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	0.6	0.7	0.7	2	No	ND	ND	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	2.44	0.40	346	No	ND	0.58	ND	8	No	ND	1.53	0.41	10
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.2	ND	634	No	ND	ND	ND	8	No	ND	ND	ND	50
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.05	ND	634	No	ND	ND	ND	8	No	ND	ND	ND	50
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	347	No	ND	ND	ND	8	No	ND	ND	ND	13
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	347	No	ND	ND	ND	8	No	ND	ND	ND	13
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	336	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	336	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	340	No	ND	ND	ND	8	No	ND	ND	ND	10
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	342	No	ND	ND	ND	8	No	ND	ND	ND	10
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.98	0.10	388	No	ND	ND	ND	8	No	ND	1.18	0.52	19
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	342	No	ND	ND	ND	8	No	ND	ND	ND	10
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	342	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	347	No	ND	ND	ND	8	No	ND	ND	ND	13
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	347	No	ND	ND	ND	8	No	ND	ND	ND	13
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	342	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	0.30	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
Chloromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	0.32	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	487	No	ND	ND	ND	8	No	ND	0.26	ND	57
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	0.17	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	0.91	ND	487	No	ND	ND	ND	8	No	ND	0.60	0.29	57
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.56	ND	487	No	ND	ND	ND	8	No	ND	0.32	ND	57
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.18	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.80	ND	487	No	ND	ND	ND	8	No	ND	ND	ND	57
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.39	ND	487	No	ND	ND	ND	8	No	ND	0.16	ND	57
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L															

# WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests
<b>Inorganics</b>																			
Alkalinity to pH 4.5 mg CaCO <sub>3</sub> /L	Naturally occurring	n/a	n/a	mg/L	No	ND	82.0	48.5	44	No	37.8	72.6	54.3	4	No	ND	34.0	26.8	9
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.07	0.03	69	No	ND	0.05	0.03	7	No	ND	0.02	ND	9
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	69	No	ND	ND	ND	7	No	ND	ND	ND	9
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.07	ND	69	No	ND	0.03	0.02	7	No	ND	ND	ND	9
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	44	No	ND	ND	ND	4	No	ND	ND	ND	9
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	82.5	ND	48	No	ND	64.5	51.9	4	No	ND	ND	ND	9
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	69	No	ND	ND	ND	7	No	ND	ND	ND	9
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	6.4	45.8	21.9	44	No	15.0	36.1	21.3	4	No	6.4	17.4	11.8	9
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	7.3	30.0	20.1	127	No	13.7	23.2	20.2	7	No	6.6	16.7	11.9	9
Chromium, total	Natural deposits	100	100	ug/L	No	ND	13.0	1.0	69	No	ND	1.6	ND	7	No	ND	ND	ND	9
CO <sub>2</sub> , calculated	Naturally occurring	n/a	n/a	mg/L	No	1.6	24.0	7.9	44	No	2.6	12.8	8.3	4	No	2.5	9.6	5.8	9
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	0.7	ND	69	No	ND	ND	ND	7	No	ND	ND	ND	9
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	44	No	ND	ND	ND	4	No	ND	ND	ND	9
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	69	No	ND	ND	ND	7	No	ND	ND	ND	9
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	127	No	ND	ND	ND	7	No	ND	ND	ND	9
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	22.6	145.3	72.8	44	No	56.3	113.1	72.4	4	No	20.3	55.0	37.0	9
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	12.33	1.03	74	No	ND	1.34	0.35	7	No	ND	0.26	0.14	9
Iron	Naturally occurring	300	n/a	ug/L	No	ND	35	ND	44	No	ND	50	ND	4	No	ND	88	ND	9
Lead	Household plumbing, lead solder	AL=15	0	mg/L	No	ND	ND	ND	69	No	ND	ND	ND	7	No	ND	ND	ND	9
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	4.1	ND	69	No	ND	ND	ND	7	No	ND	ND	ND	9
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.53	8.07	4.42	44	No	3.43	5.57	4.65	4	No	0.81	2.79	1.85	9
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	44	No	ND	ND	ND	4	No	ND	ND	ND	9
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	69	No	ND	ND	ND	7	No	ND	ND	ND	9
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	2.2	0.6	69	No	ND	0.9	0.6	7	No	0.7	1.2	1.0	9
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.42	8.46	6.10	126	No	0.24	7.06	5.18	7	No	1.35	3.58	2.62	9
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	2.40	0.99	56	No	0.13	1.49	0.72	4	No	0.72	2.05	1.22	8
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.1	8.5	7.1	114	No	6.8	8.4	7.4	6	No	6.6	7.4	7.0	11
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	8.5	7.3	702	No	6.7	8.1	7.3	156	No	6.5	7.7	7.2	62
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.23	ND	44	No	ND	ND	ND	4	No	ND	ND	ND	9
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.56	1.52	1.03	44	No	0.88	1.20	1.04	4	No	0.53	0.91	0.74	9
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.9	9.6	7.3	69	No	6.0	8.9	7.1	7	No	3.7	4.1	3.9	9
Sodium	Naturally occurring	n/a	n/a	mg/L	No	5.8	16.4	10.5	44	No	8.9	14.7	12.0	4	No	5.0	9.5	7.5	9
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	81	321	207	44	No	174	306	231	4	No	80	172	124	9
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.025	0.129	0.081	69	No	0.051	0.099	0.084	7	No	0.017	0.048	0.033	9
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	26.7	11.2	127	No	4.2	11.1	9.0	7	No	ND	8.0	4.2	9
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	44	No	ND	ND	ND	4	No	ND	ND	ND	9
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	0.97	ND	44	No	ND	0.96	0.54	4	No	ND	0.60	ND	9
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	69	No	ND	ND	ND	7	No	ND	ND	ND	9
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	69	No	ND	ND	ND	7	No	ND	ND	ND	9
<b>Synthetic Organic Compounds including Pesticides and Herbicides</b> (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	49	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	49	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	59	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	59	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	45	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	3.09	0.69	71	No	0.33	1.81	0.97	5	No	ND	0.17	0.11	14
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
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	49	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	49	No	ND	ND	ND	4	No	ND	ND	ND	8
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	5.54	1.04	64	No	ND	ND	ND	4	No	ND	ND	ND	8
<b>Volatile Organic Compounds</b>																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Chloromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.73	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	1.67	0.46	189	No	ND	1.26	0.32	14	No	ND	ND	ND	10
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.51	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	0.39	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	0.28	ND	10
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	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	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	1.76	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.46	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	1.71	ND	189	No	ND	0.41	ND	14	No	ND	ND	ND	10
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	0.29	ND	189	No	ND	ND	ND	14	No	ND	ND	ND	10
1,2,4-Trimethylbenzene	Gasoline, oil refinery	5	n/a	ug/L	No	ND	ND	ND	189	No	ND	ND	ND	14	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	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO <sub>3</sub> /L	Naturally occurring	n/a	n/a	mg/L	No	37.6	92.0	60.8	19	No	22.0	62.8	41.1	34	No	25.4	110.4	53.6	44
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.06	0.03	42	No	ND	0.06	0.02	58	No	ND	0.11	0.04	54
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	19	No	ND	ND	ND	37	No	ND	ND	ND	44
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	54
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.03	ND	42	No	ND	0.04	ND	58	No	ND	0.06	0.02	54
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	19	No	ND	ND	ND	34	No	ND	ND	ND	54
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	64.5	ND	19	No	ND	55.9	ND	38	No	ND	349.4	57.9	44
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	54
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	15.2	38.2	27.5	19	No	9.9	33.1	20.6	34	No	9.9	58.5	25.2	54
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	12.0	29.6	22.0	103	No	11.4	42.5	21.1	177	No	9.8	70.4	42.3	145
Chromium, total	Natural deposits	100	100	ug/L	No	ND	5.5	2.1	42	No	ND	6.2	1.5	58	No	ND	3.8	1.1	54
CO <sub>2</sub> , calculated	Naturally occurring	n/a	n/a	mg/L	No	2.6	20.7	7.3	19	No	0.6	13.7	6.3	34	No	2.4	14.7	6.6	44
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	42	No	ND	1.0	ND	58	No	ND	2.4	ND	54
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	19	No	ND	5	ND	34	No	ND	5	ND	44
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.02	ND	42	No	ND	0.05	ND	58	No	ND	0.02	ND	54
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	103	No	ND	ND	ND	177	No	ND	ND	ND	145
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	54.9	137.0	94.7	19	No	32.5	111.0	68.2	34	No	29.7	172.9	80.6	54
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	5.03	1.79	43	No	ND	4.53	1.22	62	No	ND	3.49	0.99	61
Iron	Naturally occurring	300	n/a	ug/L	No	ND	50	ND	19	No	ND	45	ND	34	No	ND	55	ND	54
Lead	Household plumbing, lead solder	AL=15	0	mg/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	54
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.6	ND	42	No	ND	ND	ND	58	No	ND	1.0	ND	54
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	3.20	10.47	6.30	19	No	1.39	7.15	4.05	34	No	1.23	7.02	4.28	54
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	19	No	ND	ND	ND	34	No	ND	83	21	54
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	54
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	1.5	0.7	42	No	ND	2.6	0.9	58	No	ND	5.0	1.4	54
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.50	8.43	6.68	102	No	2.46	8.93	6.74	175	No	0.55	8.23	6.16	145
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	1.47	0.76	22	No	ND	3.74	1.92	66	No	ND	1.59	0.68	47
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	9.3	7.4	50	No	6.7	8.7	7.2	41	No	6.7	8.9	7.3	73
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	9.5	7.3	347	No	6.6	8.5	7.2	669	No	5.9	9.0	7.3	543
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.22	ND	19	No	ND	ND	ND	34	No	ND	ND	ND	54
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.87	2.00	1.24	19	No	0.77	1.48	1.05	34	No	0.68	2.16	1.28	54
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.8	11.8	7.3	42	No	3.4	8.3	6.2	58	No	3.9	7.3	5.6	54
Sodium	Naturally occurring	n/a	n/a	mg/L	No	9.4	19.4	15.5	19	No	7.7	19.5	11.7	34	No	6.6	35.9	19.5	54
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	173	353	280	19	No	115	329	212	34	No	100	691	265	44
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.059	0.160	0.096	42	No	0.026	0.140	0.087	58	No	0.020	0.138	0.071	54
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.2	28.0	15.5	103	No	ND	30.1	13.6	177	No	ND	17.4	9.0	145
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	19	No	ND	ND	ND	34	No	ND	ND	ND	54
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	4	No	ND	ND	ND	4
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.91	ND	19	No	ND	0.78	ND	34	No	ND	2.23	0.53	44
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	54
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	0.02	ND	54
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	45
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	45
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	35	No	ND	ND	ND	45
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	35	No	ND	ND	ND	45
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	40	No	ND	ND	ND	72
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	45
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	1.31	0.69	33	No	0.13	1.17	0.48	59	No	ND	1.44	0.50	76
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	45
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	45
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	45
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	45
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	23	No	ND	1.65	ND	37	No	ND	ND	ND	48
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	0.44	ND	193
Chloromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	2.13	ND	193
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	0.27	ND	121	No	ND	1.03	ND	193
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	1.89	0.71	81	No	ND	1.14	0.45	121	No	ND	2.15	0.41	193
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.87	ND	81	No	ND	0.53	ND	121	No	ND	1.10	ND	193
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.26	ND	81	No	ND	0.45	ND	121	No	ND	1.24	ND	193
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	0.87	ND	81	No	ND	0.96	ND	121	No	ND	1.72	ND	193
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.90	0.30	81	No	ND	0.40	ND	121	No	ND	0.90	ND	193
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	0.72	ND	81	No	ND	0.29	ND	121	No	ND	0.76	ND	193
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	122	No	ND	1.09	ND	193
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	0.42	ND	121	No	ND	ND	ND	193
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	1.67	ND	121	No	ND	2.22	ND	193
1,2,4-Trimethylbenzene	Gasoline, oil refinery	5	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	121	No	ND	ND	ND	193

# 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	144.4	54.1	261	No	ND	40.6	21.5	14	No	ND	121.0	48.4	167
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.36	0.03	490	No	ND	0.04	ND	14	No	ND	0.16	0.03	218
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	293	No	ND	ND	ND	15	No	ND	0.14	ND	180
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	4.4	ND	490	No	ND	ND	ND	14	No	ND	1.7	ND	218
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.10	ND	490	No	ND	ND	ND	14	No	ND	0.09	0.02	218
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	0.11	ND	489	No	ND	ND	ND	14	No	ND	ND	ND	231
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	90.4	ND	310	No	ND	ND	ND	14	No	ND	54.3	ND	226
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	0.3	ND	490	No	ND	ND	ND	14	No	ND	ND	ND	218
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	2.5	55.7	20.9	489	No	2.2	17.1	7.9	14	No	2.7	77.0	22.5	231
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	4.1	131.1	39.6	421	No	4.7	17.8	7.6	14	No	4.5	164.4	37.9	503
Chromium, total	Natural deposits	100	100	ug/L	No	ND	2.4	ND	490	No	ND	0.9	ND	14	No	ND	3.8	1.1	218
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.4	52.8	6.7	261	No	1.7	14.8	5.7	14	No	0.8	26.5	6.5	167
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	3.5	ND	490	No	ND	ND	ND	14	No	ND	1.1	ND	218
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	12	ND	261	No	ND	5	ND	14	Yes	ND	17	ND	167
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.19	ND	490	No	ND	0.05	0.02	14	No	ND	0.07	ND	218
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	421	No	ND	ND	ND	14	No	ND	ND	ND	503
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	9.2	188.7	69.8	489	No	9.2	54.3	25.4	14	No	10.6	220.3	76.5	231
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	1.36	0.39	272	No	0.16	1.03	0.47	16	No	ND	3.51	0.95	200
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	885	99	489	No	ND	87	30	14	Yes	ND	718	54	231
Lead	Household plumbing, lead solder	AL=15	0	mg/l	No	ND	ND	ND	490	No	ND	ND	ND	14	No	ND	ND	ND	218
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.1	ND	490	No	ND	ND	ND	14	No	ND	3.5	ND	218
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.30	19.25	4.28	489	No	0.69	2.91	1.41	14	No	0.75	12.77	4.94	231
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	119	14	489	No	ND	ND	ND	14	No	ND	86	15	231
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	1.1	ND	490	No	ND	ND	ND	14	No	ND	ND	ND	218
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	5.5	0.7	490	No	ND	ND	ND	14	No	ND	7.8	0.5	218
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	9.62	3.88	421	No	0.04	3.75	1.03	14	No	0.07	8.94	4.80	502
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	2.16	0.44	266	No	ND	1.37	0.33	15	No	ND	3.16	0.86	200
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.2	9.0	7.3	428	No	6.6	7.6	6.9	15	No	6.4	8.0	7.2	246
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.2	9.5	7.3	2,740	No	6.6	8.0	7.2	267	No	6.4	8.5	7.3	2,052
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	2.70	0.39	489	No	ND	ND	ND	14	No	ND	1.88	0.41	231
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.23	3.52	1.14	489	No	0.34	0.87	0.50	14	No	0.38	3.03	1.31	231
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.2	11.0	6.7	490	No	4.3	7.0	5.4	14	No	4.9	10.7	7.2	218
Sodium	Naturally occurring	n/a	n/a	mg/L	No	3.0	67.6	17.0	489	No	3.9	11.0	5.9	14	No	3.8	89.0	21.4	231
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	40	617	245	261	No	46	167	84	14	No	48	744	240	167
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.202	0.054	490	No	ND	0.050	0.016	14	No	ND	0.170	0.063	218
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	31.3	13.2	421	No	ND	6.4	ND	14	No	ND	38.6	11.5	503
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	10.1	ND	489	No	ND	ND	ND	14	No	ND	5.3	ND	231
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	1.0	ND	26	No	ND	ND	ND	4	No	ND	0.6	ND	12
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	3.65	0.57	261	No	ND	1.13	ND	14	No	ND	4.64	0.56	167
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.4	ND	490	No	ND	ND	ND	14	No	ND	6.5	ND	218
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.03	ND	490	No	ND	0.02	ND	14	No	ND	ND	ND	218
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	254	No	ND	ND	ND	14	No	ND	ND	ND	183
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	254	No	ND	ND	ND	14	No	ND	ND	ND	183
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	14	No	ND	ND	ND	177
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	14	No	ND	ND	ND	177
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	0.30	ND	269	No	ND	ND	ND	14	No	ND	0.26	ND	175
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	14	No	ND	ND	ND	175
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	1.22	0.17	387	No	ND	0.37	0.13	17	No	ND	0.77	0.22	253
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	14	No	ND	ND	ND	175
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	14	No	ND	ND	ND	175
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	254	No	ND	ND	ND	14	No	ND	ND	ND	183
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	254	No	ND	ND	ND	14	No	ND	ND	ND	183
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	3.62	ND	269	No	ND	ND	ND	14	No	ND	1.16	ND	174
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.24	ND	539	No	ND	ND	ND	22	No	ND	0.34	ND	338
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	0.91	ND	539	No	ND	ND	ND	22	No	ND	ND	ND	338
Chloromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	539	No	ND	ND	ND	22	No	ND	ND	ND	338
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.65	ND	539	No	ND	ND	ND	22	No	ND	0.58	ND	338
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	539	No	ND	ND	ND	22	No	ND	ND	ND	338
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	1.95	ND	539	No	ND	ND	ND	22	No	ND	ND	ND	338
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	2.44	ND	539	No	ND	0.28	ND	22	No	ND	1.36	ND	338
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	1.30	ND	539	No	ND	ND	ND	22	No	ND	0.96	ND	338
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	539	No	ND	ND	ND	22	No	ND	0.37	ND	338
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.27	ND	539	No	ND	ND	ND	22	No	ND	ND	ND	338
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	3.42	ND	539	No	ND	ND	ND	22	No	ND	ND	ND	338
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	0.61	ND	539	No	ND	ND	ND	22	No	ND	ND	ND	338
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	16.53	ND	539	No	ND	ND	ND	22	No	ND	ND	ND	338
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	1.88	ND	539	No	ND	ND	ND	22	No	ND	0.77	ND	338

# WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring 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	ND	112.6	47.9	109	No	22.6	161.4	51.7	31	No	26.2	158.6	65.9	112
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.10	0.03	128	No	ND	0.09	0.02	31	No	ND	0.25	0.05	141
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	139	No	ND	0.07	ND	34	No	ND	ND	ND	148
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	31	No	ND	ND	ND	141
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.08	0.03	128	No	0.02	0.10	0.06	31	No	ND	0.07	0.03	141
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	196	No	ND	ND	ND	139	No	ND	ND	ND	161
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	150.5	ND	129	No	ND	117.5	67.7	35	No	ND	443.8	79.6	117
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	31	No	ND	ND	ND	141
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	4.4	56.0	23.4	196	No	8.0	58.8	21.1	139	No	6.6	60.7	32.0	161
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	9.9	79.1	37.6	243	No	23.1	74.7	47.8	39	No	12.5	173.4	53.9	519
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.9	ND	128	No	ND	0.8	ND	31	No	ND	5.2	0.6	141
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.5	26.3	4.8	109	No	1.1	98.9	13.3	31	No	0.2	24.8	6.0	112
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	3.8	ND	128	No	ND	0.9	ND	31	No	ND	ND	ND	141
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	12	ND	109	No	ND	6	ND	31	No	ND	5	ND	112
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.08	ND	128	No	ND	0.77	0.07	31	No	ND	0.31	0.03	141
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	243	No	ND	ND	ND	39	No	ND	ND	ND	519
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	17.4	168.9	78.0	196	No	33.4	196.0	80.5	139	No	27.7	212.0	110.1	161
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.74	0.30	135	No	ND	0.48	0.19	31	No	ND	3.94	0.36	121
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	712	121	196	Yes	ND	657	111	139	No	ND	150	36	161
Lead	Household plumbing, lead solder	AL=15	0	mg/l	No	ND	ND	ND	128	No	ND	ND	ND	31	No	ND	ND	ND	141
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.3	1.1	128	No	ND	2.1	1.2	31	No	ND	2.9	ND	141
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.50	9.11	4.73	196	No	3.25	11.95	6.77	139	No	2.74	14.90	7.35	161
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	225	26	196	No	ND	159	20	139	No	ND	171	22	161
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	128	No	ND	ND	ND	31	No	ND	ND	ND	141
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	2.1	0.5	128	No	ND	1.9	ND	31	No	ND	1.7	0.6	141
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	9.28	3.83	243	No	0.05	6.04	2.32	39	No	0.03	9.45	4.81	519
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.67	0.17	123	No	ND	0.38	0.15	34	No	ND	4.47	1.63	193
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.3	7.4	160	No	5.7	7.8	7.1	48	No	6.3	8.6	7.5	212
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.7	8.3	7.4	1,254	No	5.5	8.6	7.4	257	No	5.5	9.0	7.4	838
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	3.55	0.44	196	No	ND	3.99	1.59	139	No	ND	2.99	0.34	161
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.45	3.87	1.39	196	No	0.98	2.80	1.70	139	No	0.57	5.23	2.30	161
Silicon	Naturally occurring	n/a	n/a	mg/L	No	5.5	12.1	7.6	128	No	7.7	11.0	9.4	31	No	4.3	8.6	6.6	141
Sodium	Naturally occurring	n/a	n/a	mg/L	No	7.4	48.3	18.7	196	No	15.3	49.7	28.3	139	No	8.1	83.2	34.0	161
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	86	479	237	109	No	169	453	305	31	No	121	883	382	112
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.023	0.134	0.071	128	No	0.045	0.126	0.082	31	No	0.038	0.216	0.112	141
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.7	59.7	21.4	243	No	8.0	25.4	13.1	39	No	5.8	68.2	34.8	519
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	196	No	ND	ND	ND	139	No	ND	9.0	ND	161
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.7	ND	10	No	ND	ND	ND	6	No	ND	0.7	ND	6
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	2.30	0.50	109	No	ND	5.19	0.95	31	No	ND	1.84	0.56	111
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	7.0	ND	128	No	ND	ND	ND	31	No	ND	1.3	ND	141
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	128	No	ND	ND	ND	31	No	ND	ND	ND	141
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	33	No	ND	1.12	ND	149
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	33	No	ND	0.85	ND	149
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	127	No	ND	ND	ND	33	No	ND	0.64	ND	204
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	0.55	ND	127	No	ND	ND	ND	33	No	ND	0.55	ND	204
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	120	No	ND	ND	ND	33	No	ND	ND	ND	123
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	124	No	ND	0.21	ND	32	No	ND	ND	ND	141
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.24	ND	140	No	ND	0.93	0.09	42	No	ND	0.10	ND	136
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	124	No	ND	ND	ND	32	No	ND	0.21	ND	141
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	124	No	ND	ND	ND	32	No	ND	0.55	ND	141
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	1.33	ND	135	No	ND	ND	ND	33	No	ND	2.66	ND	149
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	0.58	ND	135	No	ND	ND	ND	33	No	ND	2.22	ND	149
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	2.09	ND	126	No	ND	ND	ND	33	No	ND	12.18	1.49	175
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	216	No	ND	ND	ND	68	No	ND	ND	ND	193
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	30.32	0.48	216	No	ND	0.87	ND	68	No	ND	ND	ND	193
Chloromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	216	No	ND	ND	ND	68	No	ND	ND	ND	193
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	216	No	ND	ND	ND	68	No	ND	ND	ND	193
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	216	No	ND	ND	ND	68	No	ND	ND	ND	193
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	0.54	ND	216	No	ND	0.45	ND	68	No	ND	ND	ND	193
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	216	No	ND	ND	ND	68	No	ND	ND	ND	193
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	216	No	ND	ND	ND	68	No	ND	ND	ND	193
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	216	No	ND	ND	ND	68	No	ND	0.28	ND	193
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	216	No	ND	0.29	ND	68	No	ND	ND	ND	193
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	216	No	ND	ND	ND	68	No	ND	ND	ND	193
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	216	No	ND	ND	ND	68	No	ND	ND	ND	193
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	216	No	ND	ND	ND	68	No	ND	ND	ND	193
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.30	ND											

# 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	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 CaCO <sub>3</sub> /L	Naturally occurring	n/a	n/a	mg/L	No	27.6	54.2	43.1	6	No	35.6	42.0	39.3	6	No	46.8	99.0	75.3	10
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	0.02	0.08	0.05	6	No	ND	0.04	ND	6	No	ND	ND	ND	11
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	2.0	ND	11
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.18	0.04	6	No	ND	ND	ND	6	No	ND	0.03	ND	11
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	11
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	112.4	55.5	10
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	11
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	9.2	21.8	16.5	6	No	12.3	15.4	14.2	6	No	25.1	32.4	28.5	11
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	41.0	113.8	61.0	6	No	12.6	14.9	13.8	6	No	ND	12.6	3.4	23
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.7	ND	6	No	ND	0.6	ND	6	No	ND	0.8	ND	11
CO <sub>2</sub> , calculated	Naturally occurring	n/a	n/a	mg/L	No	1.6	14.8	5.1	6	No	2.1	11.1	6.1	6	No	4.8	21.4	11.5	10
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	0.8	ND	6	No	ND	ND	ND	6	No	ND	1.5	ND	11
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	7	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	0.04	0.03	6	No	ND	0.27	0.10	11
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	23
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	32.2	65.9	52.1	6	No	44.9	53.9	48.0	6	No	92.6	141.4	113.6	11
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.17	0.43	0.34	6	No	0.19	0.46	0.33	6	No	ND	0.26	0.10	10
Iron	Naturally occurring	300	n/a	ug/L	No	ND	53	33	6	No	ND	31	ND	6	No	ND	ND	ND	11
Lead	Household plumbing, lead solder	AL=15	0	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	11
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	9.8	1.7	11
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.22	2.81	2.61	6	No	2.69	3.78	3.04	6	No	7.26	14.71	10.28	11
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	11
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	11
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	0.7	ND	6	No	ND	ND	ND	6	No	ND	7.3	0.9	11
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.35	0.80	0.60	6	No	0.45	0.90	0.57	6	No	0.01	3.00	1.06	23
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.12	ND	7	No	ND	ND	ND	6	No	ND	1.79	1.08	13
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	7.6	7.3	7	No	6.9	7.6	7.2	7	No	6.4	7.6	7.1	31
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	8.0	7.4	59	No	6.4	7.8	7.2	106	No	6.8	8.1	7.3	100
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.26	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	11
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.67	0.94	0.75	6	No	0.69	0.95	0.75	6	No	1.25	1.94	1.51	11
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.9	5.4	4.8	6	No	5.9	7.2	6.3	6	No	8.0	8.9	8.2	11
Sodium	Naturally occurring	n/a	n/a	mg/L	No	26.2	65.0	37.7	6	No	8.9	9.9	9.2	6	No	18.9	55.8	39.4	11
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	248	451	304	6	No	142	159	148	6	No	299	514	416	10
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.045	0.171	0.075	6	No	0.035	0.054	0.041	6	No	0.096	0.165	0.122	11
Sulfate	Naturally occurring	250	n/a	mg/L	No	6.1	9.3	6.9	6	No	8.3	12.1	9.3	6	No	ND	6.2	ND	23
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	11
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	0.7	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	1.39	0.67	6	No	ND	0.59	ND	6	No	ND	ND	ND	10
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	2.6	ND	6	No	ND	ND	ND	11
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	0.08	0.03	11
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32)																			
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	16
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	16
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	16
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
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	16
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	16
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	16
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	16
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	13.61	2.07	33
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Chloromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34
1,2,4-Trimethylbenzene	Gasoline, oil refinery	5	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	34

# 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	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests
<b>Inorganics</b>																			
Alkalinity to pH 4.5 mg CaCO <sub>3</sub> /L	Naturally occurring	n/a	n/a	mg/L	No	35.4	44.4	40.2	6	No	ND	48.2	36.4	20	No	20.0	38.4	29.3	29
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.04	ND	6	No	0.06	0.87	0.37	27	No	0.03	0.67	0.27	39
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	37
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	27	No	ND	ND	ND	39
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	27	No	ND	ND	ND	39
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	0.11	ND	64	No	ND	0.13	ND	75
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	30	No	ND	ND	ND	64
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	27	No	ND	ND	ND	39
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	12.6	19.9	16.8	6	No	ND	1.0	0.6	64	No	ND	1.2	ND	75
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	14.3	22.9	17.1	6	No	4.3	5.8	4.8	20	No	4.0	10.2	5.1	30
Chromium, total	Natural deposits	100	100	ug/L	No	ND	ND	ND	6	No	ND	1.0	ND	27	No	ND	0.6	ND	39
CO <sub>2</sub> , calculated	Naturally occurring	n/a	n/a	mg/L	No	2.0	3.9	2.6	6	No	2.0	38.6	7.5	20	No	1.1	13.0	5.1	29
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	27	No	ND	ND	ND	39
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	7	ND	6	Yes	5	20	11	20	No	ND	12	7	29
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	0.05	ND	27	No	ND	0.04	ND	39
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	45.1	68.8	57.9	6	No	ND	3.9	ND	64	No	ND	3.1	ND	75
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.37	0.26	8	No	ND	0.28	ND	22	No	ND	0.38	ND	30
Iron	Naturally occurring	300	n/a	ug/L	No	ND	163	57	6	Yes	135	743	352	64	No	64	744	243	75
Lead	Household plumbing, lead solder	AL=15	0	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	27	No	ND	ND	ND	39
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.4	1.1	6	No	3.4	9.3	6.6	27	No	2.2	6.5	4.1	39
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	3.34	4.62	3.86	6	No	ND	0.45	ND	64	No	ND	ND	ND	75
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	25	11	6	No	ND	ND	ND	64	No	ND	ND	ND	75
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	27	No	ND	ND	ND	39
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	1.7	ND	6	No	ND	7.3	0.6	27	No	ND	1.4	ND	39
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.26	0.89	0.68	6	No	ND	0.02	ND	20	No	ND	0.03	ND	30
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.14	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.3	7.6	7.5	6	No	6.0	7.7	7.1	20	No	6.5	7.9	7.1	31
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	9.0	7.5	56	No	6.3	8.0	7.3	72	No	6.7	8.5	7.3	140
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	4.87	1.06	64	No	ND	2.00	0.34	75
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.76	0.85	0.80	6	No	1.57	4.39	2.98	64	No	0.97	3.55	1.66	75
Silicon	Naturally occurring	n/a	n/a	mg/L	No	6.5	9.4	7.6	6	No	4.5	5.9	5.0	27	No	2.9	5.8	4.9	39
Sodium	Naturally occurring	n/a	n/a	mg/L	No	9.6	13.8	11.2	6	No	8.7	23.6	17.8	64	No	10.1	24.0	16.5	75
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	145	209	179	6	No	56	123	96	20	No	61	95	81	29
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.044	0.077	0.054	6	No	ND	ND	ND	27	No	ND	ND	ND	39
Sulfate	Naturally occurring	250	n/a	mg/L	No	10.4	31.0	16.9	6	No	4.1	5.1	4.6	20	No	3.7	6.1	4.2	30
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	71.7	16.9	64	No	ND	22.7	10.6	75
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	1.0	ND	8	No	0.5	1.3	0.8	10
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	1.06	0.54	6	No	0.47	4.20	2.41	20	No	ND	5.54	1.30	29
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.2	1.6	6	No	ND	ND	ND	27	No	ND	ND	ND	39
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	0.04	ND	27	No	ND	ND	ND	39
<b>Synthetic Organic Compounds including Pesticides and Herbicides</b> (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32)																			
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
Hexazinone	Used as a herbicide	50	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	20	No	ND	ND	ND	30
<b>Volatile Organic Compounds</b>																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	No	ND	ND	ND	35
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	No	ND	ND	ND	35
Chloromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	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	30	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	30	No	ND	ND	ND	35
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	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	30	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	30	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	30	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	30	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	30	No	ND	ND	ND	35
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	No	ND	ND	ND	35
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	No	ND	ND	ND	35
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	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	30	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	30	No	ND	ND	ND	35
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	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	30	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	30	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	30	No	ND	ND	ND	35
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	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	30	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	30	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	30	No	ND	ND	ND	35
1,2,4-Trimethylbenzene	Gasoline, oil refinery	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	30	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	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 CaCO <sub>3</sub> /L	Naturally occurring	n/a	n/a	mg/L	No	29.0	63.8	48.3	6	No	50.6	76.0	58.8	12	No	30.2	50.0	38.1	6
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.03	ND	6	No	ND	ND	ND	12	No	0.02	0.07	0.05	8
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	6
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	8
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.03	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	8
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	36	No	ND	ND	ND	6
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	71.5	ND	6	No	ND	172.2	53.8	13	No	ND	52.1	ND	14
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	8
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	8.6	23.3	16.9	6	No	5.2	10.3	8.0	36	No	13.0	17.9	14.8	6
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	25.9	37.5	32.7	6	No	17.8	58.9	26.1	12	No	8.1	13.0	10.6	6
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.6	ND	6	No	ND	0.7	ND	12	No	ND	ND	ND	8
CO <sub>2</sub> , calculated	Naturally occurring	n/a	n/a	mg/L	No	1.1	10.5	5.2	6	No	0.6	11.3	6.5	12	No	1.5	4.7	2.4	6
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	2.3	1.3	8
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	6
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.03	ND	6	No	ND	ND	ND	12	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	12	No	ND	ND	ND	6
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	39.5	77.3	61.7	6	No	28.9	46.1	37.2	36	No	35.6	51.6	41.3	6
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.25	0.47	0.37	6	No	0.28	0.50	0.37	12	No	ND	0.34	0.18	6
Iron	Naturally occurring	300	n/a	ug/L	No	ND	45	ND	6	No	ND	272	63	36	No	ND	128	58	6
Lead	Household plumbing, lead solder	AL=15	0	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	8
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.2	1.4	6	No	ND	ND	ND	12	No	ND	1.2	ND	8
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	4.13	5.62	4.74	6	No	3.06	6.71	4.20	36	No	0.75	1.66	1.06	6
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	16	ND	6	No	ND	10	ND	36	No	ND	ND	ND	6
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	8
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	2.0	3.1	2.6	8
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.61	2.19	1.34	6	No	0.51	1.66	0.92	12	No	0.05	3.55	1.29	6
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.17	0.10	6	No	ND	0.20	ND	12	No	ND	ND	ND	6
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.9	8.0	7.4	6	No	7.0	8.4	7.3	14	No	7.3	7.8	7.5	6
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.3	8.2	7.6	56	No	7.0	8.5	7.3	29	No	6.9	8.0	7.4	161
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	1.94	1.04	36	No	ND	0.29	ND	6
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.85	1.44	1.20	6	No	0.78	1.48	1.05	36	No	0.46	0.81	0.59	6
Silicon	Naturally occurring	n/a	n/a	mg/L	No	7.7	10.4	9.2	6	No	8.7	10.8	9.6	12	No	3.5	3.9	3.7	8
Sodium	Naturally occurring	n/a	n/a	mg/L	No	15.9	23.4	19.8	6	No	23.5	58.2	35.8	36	No	5.0	8.0	6.1	6
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	175	284	235	6	No	175	343	231	12	No	100	158	127	6
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.043	0.080	0.066	6	No	0.039	0.057	0.049	12	No	0.024	0.037	0.031	8
Sulfate	Naturally occurring	250	n/a	mg/L	No	8.6	12.8	10.1	6	No	9.4	11.6	10.3	12	No	ND	5.4	3.1	6
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	36	No	ND	ND	ND	6
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	4
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.68	ND	6	No	ND	0.97	ND	12	No	ND	ND	ND	6
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	8
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	12	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 32)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	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	12	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	12	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	12	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	12	No	ND	ND	ND	6
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	6
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	0.07	3.78	1.42	6
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	No	ND	ND	ND	6
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	12	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	12	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	12	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	12	No	ND	ND	ND	6
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	2.24	0.53	22
Chloromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22
1,2,4-Trimethylbenzene	Gasoline, oil refinery	5	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	17	No	ND	ND	ND	22

# 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	27.2	35.0	31.1	2	No	20.6	50.8	35.0	4	No	45.6	108.6	83.3	14
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	0.02	ND	4	No	ND	ND	ND	14
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	11
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	14
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.03	ND	14
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	35
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	12	No	ND	ND	ND	14
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	14
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	8.9	10.3	9.6	2	No	5.4	19.8	12.6	4	No	6.6	13.1	10.0	35
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	8.0	16.9	12.5	2	No	5.6	16.4	10.2	4	No	18.5	54.6	33.2	14
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.7	ND	2	No	ND	1.8	1.0	4	No	0.6	1.3	1.0	14
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	2.5	2.8	2.7	2	No	2.5	4.4	3.3	4	No	5.0	48.6	19.2	14
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	14
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	ND	ND	2	No	ND	5	ND	4	No	ND	5	ND	14
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.12	0.04	14
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	14
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	33.7	36.7	35.2	2	No	17.0	60.6	38.8	4	No	29.3	47.3	39.4	35
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.19	0.46	0.32	2	No	0.50	1.51	0.88	4	No	0.44	1.01	0.77	12
Iron	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	2	No	ND	7.1	42	4	No	ND	67	ND	35
Lead	Household plumbing, lead solder	AL=15	0	mg/l	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	14
Lithium	Naturally occurring	n/a	n/a	ug/L	No	1.1	1.4	1.3	2	No	ND	ND	ND	4	No	ND	ND	ND	14
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.70	2.77	2.73	2	No	0.83	2.69	1.78	4	No	2.74	4.36	3.54	35
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	22	ND	35
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	14
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	14
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.03	0.06	0.04	2	No	0.26	3.19	1.74	4	No	2.96	4.43	3.85	14
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	ND	ND	2	No	ND	0.21	0.14	4	No	ND	0.36	0.17	13
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.3	7.4	7.4	2	No	7.1	7.6	7.3	4	No	6.7	9.3	7.3	19
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	7.9	7.2	48	No	6.5	8.0	7.2	97	No	7.0	7.8	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	ND	1.79	0.67	35
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.60	0.67	0.63	2	No	0.39	0.70	0.55	4	No	1.11	2.93	1.88	35
Silicon	Naturally occurring	n/a	n/a	mg/L	No	7.4	7.9	7.7	2	No	4.8	6.4	5.6	4	No	6.2	8.4	7.2	14
Sodium	Naturally occurring	n/a	n/a	mg/L	No	6.0	10.7	8.4	2	No	4.5	10.2	7.0	4	No	18.8	71.8	47.7	35
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	105	127	116	2	No	61	169	118	4	No	195	452	326	14
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.033	0.036	0.035	2	No	0.011	0.036	0.024	4	No	0.061	0.121	0.083	14
Sulfate	Naturally occurring	250	n/a	mg/L	No	6.1	7.2	6.7	2	No	ND	3.7	ND	4	No	9.6	16.9	12.1	14
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	35
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	0.7	1.1	0.9	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	1.11	ND	14
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	14
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	14
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32)																			
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	12
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	12
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	12
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	12
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	12
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	12
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	ND	ND	2	No	ND	0.34	0.16	4	No	ND	ND	ND	12
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	12
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	12
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	12
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	12
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	12
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
Chloromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	0.38	ND	14	No	ND	ND	ND	16
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	14	No	ND	ND	ND	16
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5																	

# WELL MONITORING FOR TOTAL COLIFORM

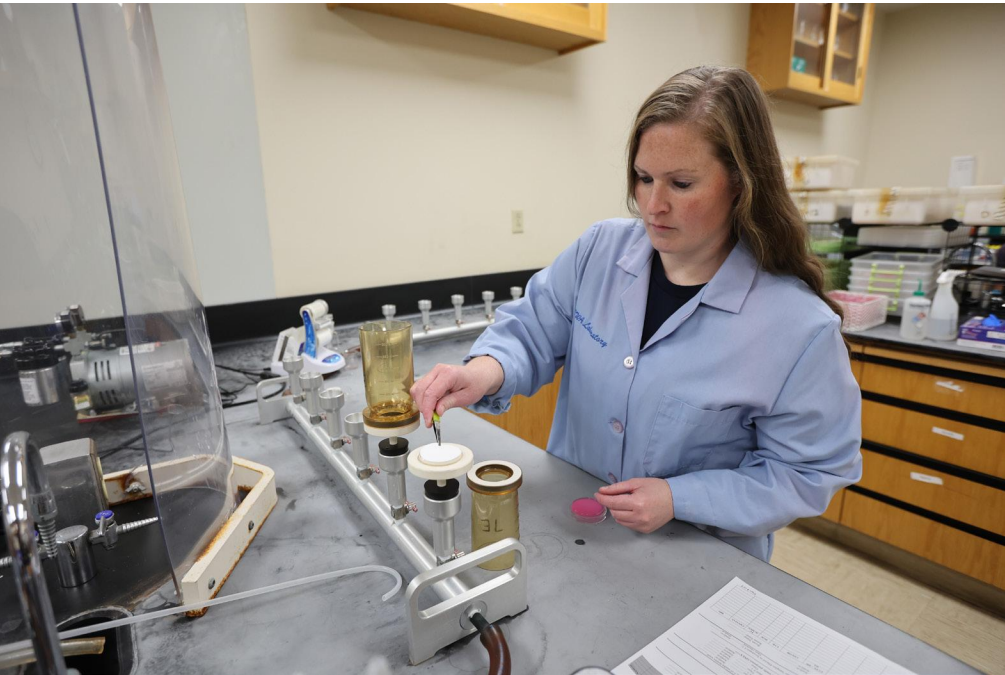
All SCWA wells prior to chlorination (source water monitoring) and the chlorinated water leaving the pump stations are tested quarterly for total coliform bacteria as required. As part of the GWR, EPA also requires reporting E. coli when found in source water monitoring. In 2022, all source water monitoring 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 2022, all samples collected after chlorination 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.

## 2022 Microbiological Test Results for Wells and Heterotrophic Plate Count (HPC)

Well Location	Collection Point at Pump Station	Test Results
Distribution Area 11*	Raw (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 15*	Raw (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 30*	Raw (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 35*	Raw (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 10*	Treated (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 15*	Treated (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 23*	Treated (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 35*	Raw (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 2022, 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 2022 Drinking Water Quality Report Supplement. Please see page 39 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 2022, 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 2022, 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 2022 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.

## 2022 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%	2938
12	No	0.6%	0%	0.1%	1927
23	No	1.3%	0%	0.1%	917

Distribution Areas 10 and 15  
had no detections of total coliform in 2022.

**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
30	No	1	0	0.1	444

Distribution Areas 4, 5, 6, 7, 8, 9, 11, 14, 26, 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 2022.

# 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 2022 disinfectant and disinfection byproducts results for each distribution area are noted on pages 15-17.

## 2022 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	1	3.36	9.18	6.65	4	ND	1.76	0.75	4
	2	3.00	9.66	7.07	4	ND	1.74	0.71	4
	3	ND	1.17	0.57	4	ND	ND	ND	4
	4	16.28	34.84	25.92	4	0.67	5.43	3.26	4
	5	10.77	20.52	14.33	4	0.43	2.84	2.14	4
	6	4.37	11.51	7.02	4	ND	0.98	0.58	4
	7	1.48	8.58	5.13	4	0.48	1.12	0.85	4
	8	0.25	4.16	1.82	4	0.45	2.76	1.14	4
FHWD	1	1.46	3.82	3.04	4	ND	5.36	3.25	4
	2	2.72	7.56	5.20	4	4.02	7.41	5.46	4
EFWD	1	1.31	2.49	1.86	4	ND	ND	ND	4
	2	1.84	4.71	3.32	4	ND	ND	ND	4
SBWD	1	ND	1.01	0.57	4	ND	ND	ND	4
	2	0.81	1.25	0.59	4	ND	ND	ND	4
RSWD	1	0.59	1.56	0.97	4	ND	ND	ND	4
	2	1.50	3.08	2.16	4	ND	ND	ND	4

# 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 31.

### 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 2022 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 31. 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 31.

# 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 2022 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 313 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	1.68	ND	58	ND	3.89	ND	58	ND	ND	ND	16	ND	1.73	ND	14	ND	ND	ND	14
4	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
5	ND	ND	ND	1	2.35	2.35	2.35	1	127	127	127	1	NA	NA	NA	0	NA	NA	NA	0
6	ND	ND	ND	5	ND	3.42	ND	5	ND	154	102	2	ND	ND	ND	3	ND	1.59	ND	3
7	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
8	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
9	ND	ND	ND	4	ND	7.80	2.70	4	ND	137	ND	2	ND	ND	ND	2	ND	ND	ND	2
10	ND	ND	ND	2	ND	2.75	ND	2	ND	ND	ND	2	NA	NA	NA	0	NA	NA	NA	0
11	ND	2.81	ND	19	ND	4.80	2.42	19	ND	ND	ND	2	ND	ND	ND	16	ND	2.34	1.04	17
12	ND	1.60	ND	52	ND	3.32	ND	52	ND	156	ND	13	ND	ND	ND	14	ND	ND	ND	14
14	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	2	NA	NA	NA	0	NA	NA	NA	0
15	ND	1.97	ND	18	ND	6.21	ND	18	ND	ND	ND	6	ND	3.33	ND	12	ND	ND	ND	12
23	ND	1.77	ND	12	ND	3.11	ND	12	ND	173	ND	5	ND	1.61	ND	7	ND	1.06	ND	7
26	ND	1.60	ND	5	ND	ND	ND	5	104	313	189	3	ND	ND	ND	2	ND	ND	ND	2
30	ND	ND	ND	9	ND	2.85	ND	9	ND	ND	ND	3	ND	ND	ND	6	ND	ND	ND	6
32	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
34	ND	ND	ND	1	ND	ND	ND	1	214	214	214	1	NA	NA	NA	0	NA	NA	NA	0
35	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
44	ND	ND	ND	1	ND	ND	ND	1	119	119	119	1	NA	NA	NA	0	NA	NA	NA	0
53	ND	ND	ND	4	ND	2.48	ND	4	ND	ND	ND	4	NA	NA	NA	0	NA	NA	NA	0
54	ND	1.75	ND	6	ND	2.87	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	NA	NA	NA	0	NA	NA	NA	0
64	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
EFWD	ND	ND	ND	3	ND	ND	ND	3	ND	124	ND	2	ND	ND	ND	1	ND	ND	ND	1
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	ND	ND	2	NA	NA	NA	0	NA	NA	NA	0
WNWD	ND	ND	ND	1	ND	ND	ND	1	147	147	147	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 2022 we monitored 18 sampling station locations where asbestos-cement pipes exist and 6 production wells. All locations were non-detect (no asbestos fibers were present), except a sample station located on Cedar Point Drive, West Islip. October 13, 2022 a sample collected here had 1.5 million fibers per liter (MFL) which is below the NY State MCL of 7.0 MFL. This site was sampled 3 other times in 2022 and the results were non-detect.

# 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](http://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 did apply for a final one-year extension for 1,4-dioxane and will have until August 25, 2023 to comply with the MCL.

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>

## Important Information About Your Drinking Water

### Monitoring Requirements Not Met for Suffolk County Water Authority

Our water system violated drinking water pH monitoring requirements in July 2022. Even though these were not emergencies, as our customers, you have a right to know what happened and what we have done to correct this situation.

We are required to monitor your drinking water for water quality parameters on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During the month of July 2022, we did not complete all monitoring for pH and therefore cannot be sure of the quality of your drinking water during that time.

#### What should I do?

There is nothing you need to do currently.

#### What does this mean?

This is not an immediate risk. If it had been you would have been notified immediately.

#### What was done?

The Authority is required to monitor for pH from every entry point to Distribution once every two weeks. In July 2022, several entry points were only monitored twice in the month with a period of greater than 14 days between monitoring samples. As of August 2022, the Authority has changed its monitoring procedures so that every entry point has a monitoring sample collected every week.

# WATER QUALITY DATA BY DISTRIBUTION AREA



## 2022 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 2022 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-Nitrosodi-N-butylamine	ppt	ND	3.2	ND	10

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

## 2022 AOP Byproduct Test Results for Commercial Blvd - Distribution Area 12\*

At one well located in Distribution Area 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. A summary of the 2022 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
Acetic Acid	ppb	ND	12.0	ND	4

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