

WATER QUALITY DATA BY DISTRIBUTION AREA

Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

					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 Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluoro-1-pentanesulfonate	PFOA (or, PFOS) are released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	0.018	ND	359	No	ND	ND	ND	8	No	ND	ND	ND	13
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.032	ND	359	No	ND	ND	ND	8	No	ND	ND	ND	13
Perfluorobutanesulfonic Acid		50	n/a	ug/L	No	ND	0.027	ND	359	No	ND	ND	ND	8	No	ND	ND	ND	13
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	0.043	ND	359	No	ND	ND	ND	8	No	ND	ND	ND	13
Perfluorohexane Sulfonic Acid		50	n/a	ug/L	No	ND	0.029	ND	359	No	ND	ND	ND	8	No	ND	ND	ND	13
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	359	No	ND	ND	ND	8	No	ND	ND	ND	13
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.008	ND	359	No	ND	ND	ND	8	No	ND	ND	ND	13
Perfluorooctane Sulfonate	*0.010	n/a	ug/L	No	ND	0.007	ND	359	No	ND	ND	ND	8	No	ND	ND	ND	13	
* (August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctane Sulfanate (PFOS), see page 28)																			

					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 Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluoro-1-pentanesulfonate	PFOA (or, PFOS) are released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorobutanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorohexane Sulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorooctane Sulfonate		*0.010	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	6	No	ND	ND	ND	8
* (August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctane Sulfonate (PFOS), see page 28)																			

					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 Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluoro-1-pentanesulfonate	PFOA (or, PFOS) are released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	27	No	ND	ND	ND	47	No	ND	ND	ND	59
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	27	No	ND	ND	ND	47	No	ND	ND	ND	59
Perfluorobutanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	27	No	ND	ND	ND	47	No	ND	ND	ND	59
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	27	No	ND	ND	ND	47	No	ND	ND	ND	59
Perfluorohexane Sulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	27	No	ND	ND	ND	47	No	ND	ND	ND	59
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	27	No	ND	ND	ND	47	No	ND	ND	ND	59
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.004	ND	27	No	ND	ND	ND	47	No	ND	0.006	ND	59
Perfluorooctane Sulfonate		*0.010	n/a	ug/L	No	ND	ND	ND	27	No	ND	0.008	ND	47	No	ND	0.003	ND	59
* (August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctane Sulfonate (PFOS), see page 28)																			

					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 Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluoro-1-pentanesulfonate	PFOA (or, PFOS) are released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	378	No	ND	ND	ND	14	No	ND	ND	ND	256
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.010	ND	378	No	ND	ND	ND	14	No	ND	ND	ND	256
Perfluorobutanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	378	No	ND	ND	ND	14	No	ND	ND	ND	256
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	0.016	ND	378	No	ND	ND	ND	14	No	ND	0.011	ND	256
Perfluorohexane Sulfonic Acid		50	n/a	ug/L	No	ND	0.024	ND	378	No	ND	ND	ND	14	No	ND	0.011	ND	256
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	378	No	ND	ND	ND	14	No	ND	0.012	ND	256
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.009	ND	378	No	ND	ND	ND	14	No	ND	0.008	0.002	256
Perfluorooctane Sulfonate		*0.010	n/a	ug/L	No	ND	0.011	ND	378	No	ND	ND	ND	14	No	ND	0.008	ND	256
* (August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctane Sulfonate (PFOS), see page 28)																			

					Distribution Area 20					Distribution Area 23					Distribution Area 26				
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 Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluoro-1-pentanesulfonate	PFOA (or, PFOS) are released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	97	No	ND	ND	ND	140	No	ND	ND	ND	29
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.047	ND	97	No	ND	0.015	ND	140	No	ND	ND	ND	29
Perfluorobutanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	97	No	ND	ND	ND	140	No	ND	ND	ND	29
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	0.019	ND	97	No	ND	0.015	ND	140	No	ND	0.011	ND	29
Perfluorohexane Sulfonic Acid		50	n/a	ug/L	No	ND	0.014	ND	97	No	ND	0.020	ND	140	No	ND	0.011	ND	29
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	97	No	ND	ND	ND	140	No	ND	ND	ND	29
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.004	ND	97	No	ND	0.005	ND	140	No	ND	0.003	ND	29
Perfluorooctane Sulfonate		*0.010	n/a	ug/L	No	ND	0.015	ND	97	No	ND	0.006	ND	140	No	ND	ND	ND	29
* (August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctane Sulfonate (PFOS), see page 28)																			

WATER QUALITY DATA BY DISTRIBUTION AREA

Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (Continued)

					Distribution Area 30					Distribution Area 32					Distribution Area 34				
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 Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluoro-1-pentanesulfonate	PFOA (or, PFOS) are released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	127	No	ND	ND	ND	10	No	ND	ND	ND	6
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.044	ND	127	No	ND	ND	ND	10	No	ND	ND	ND	6
Perfluorobutanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	127	No	ND	ND	ND	10	No	ND	ND	ND	6
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	0.049	ND	127	No	ND	ND	ND	10	No	ND	ND	ND	6
Perfluorohexane Sulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	127	No	ND	ND	ND	10	No	ND	ND	ND	6
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	127	No	ND	ND	ND	10	No	ND	ND	ND	6
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	0.003	ND	127	No	ND	ND	ND	10	No	ND	ND	ND	6
Perfluorooctane Sulfonate		*0.010	n/a	ug/L	No	ND	0.002	ND	127	No	ND	0.003	ND	10	No	ND	ND	ND	6
* (August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctane Sulfonate (PFOS), see page 28)																			

					Distribution Area 35					Distribution Area 44					Distribution Area 53				
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 Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluoro-1-pentanesulfonate	PFOA (or, PFOS) are 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	20
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Perfluorobutanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Perfluorohexane Sulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Perfluorooctane Sulfonate		*0.010	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
* (August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctane Sulfonate (PFOS), see page 28)																			

					Distribution Area 54					Distribution Area 57					Distribution Area 64				
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 Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluoro-1-pentanesulfonate	PFOA (or, PFOS) are released into the environment from widespread use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	7	No	ND	ND	ND	11
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	7	No	ND	ND	ND	11
Perfluorobutanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	7	No	ND	ND	ND	11
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	7	No	ND	ND	ND	11
Perfluorohexane Sulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	7	No	ND	ND	ND	11
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	7	No	ND	ND	ND	11
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	7	No	ND	ND	ND	11
Perfluorooctane Sulfonate		*0.010	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	7	No	ND	ND	ND	11
* (August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctane Sulfonate (PFOS), see page 28)																			

					Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
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 Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method																			
Perfluoro-1-pentanesulfonate	PFOA (or, PFOS) are 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	2	No	ND	ND	ND	4
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluorobutanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluoro-n-hexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluorohexane Sulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluorooctanoic Acid		*0.010	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	0.002	ND	4
Perfluorooctane Sulfonate		*0.010	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	0.003	ND	4
* (August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluorooctanoic Acid (PFOA) & Perfluorooctane Sulfonate (PFOS), see page 28)																			



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:

<https://nepis.epa.gov/Exe/tiff2png.cgi/P1007BCF.PNG?-r+75+-g+7+D%3A%5CZYFILES%5CINDEX%20DATA%5C06THRU10%5CTIFF%5C0000773%5CP1007BCF.TIF>

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

has no health standards or guidelines for PPCPs in drinking water and does not require testing. In 2021 all of our wells were tested for 38 PPCPs; Acesulfame-K, Aspartame, Carbamazepine, Dilantin, Gemfibrozil, Glycyrrhizic 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 8-10.

					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	3.07	0.06	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Aspartame	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	0.13	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	0.07	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.23	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	0.43	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	0.06	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.14	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	0.16	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.07	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.41	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	4.56	0.07	298	No	ND	ND	ND	8	No	ND	ND	ND	11
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	0.07	ND	298	No	ND	ND	ND	8	No	ND	ND	ND	11

					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	0.22	ND	49	No	ND	ND	ND	4	No	ND	0.05	ND	8
Aspartame	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	8
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	8
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	8
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	49	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	49	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	49	No	ND	ND	ND	4	No	ND	ND	ND	8
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	8
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	8
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	8
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	8
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	49	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	49	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	49	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	0.12	ND	49	No	ND	ND	ND	4	No	ND	ND	ND	8
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	49	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	0.75	0.10	22	No	ND	0.30	0.06	40	No	ND	2.48	0.15	50
Aspartame	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	0.14	ND	50
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.08	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.22	ND	22	No	ND	0.12	ND	40	No	ND	3.02	0.12	50
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	40	No	ND	ND	ND	50

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	2.32	0.20	300	No	ND	0.23	ND	14	No	ND	2.92	0.40	200
Aspartame	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.07	ND	300	No	ND	ND	ND	14	No	ND	0.09	ND	200
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.22	ND	300	No	ND	ND	ND	14	No	ND	0.28	ND	200
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	0.08	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	0.11	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	0.09	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	300	No	ND	ND	ND	14	No	ND	0.07	ND	200
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	0.07	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.16	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	3.67	0.27	300	No	ND	0.11	ND	14	No	ND	3.98	0.35	200
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	300	No	ND	ND	ND	14	No	ND	ND	ND	200

					Distribution Area 20					Distribution Area 23					Distribution Area 26				
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	2.14	0.12	53	No	ND	0.86	0.15	126	No	ND	0.87	0.32	30
Aspartame	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	0.27	ND	126	No	ND	ND	ND	30
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	ND	ND	30
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	ND	ND	30
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	ND	ND	30
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	ND	ND	30
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	ND	ND	30
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	ND	ND	30
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	0.12	ND	126	No	ND	ND	ND	30
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	ND	ND	30
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	ND	ND	30
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	ND	ND	30
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	2.19	0.13	30
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	0.14	ND	30
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	2.81	0.15	53	No	ND	1.56	0.14	126	No	ND	0.85	0.26	30
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	126	No	ND	ND	ND	30

					Distribution Area 30					Distribution Area 32					Distribution Area 34				
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	0.98	0.13	135	No	ND	0.13	ND	6	No	ND	ND	ND	6
Aspartame	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.61	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	6	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	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	0.13	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	0.05	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.87	0.16	135	No	ND	0.17	ND	6	No	ND	ND	ND	6
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	6	No	ND	ND	ND	6

					Distribution Area 35					Distribution Area 44					Distribution Area 53				
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	10	No	ND	0.12	0.07	6	No	ND	ND	ND	20
Aspartame	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	0.22	0.07	6	No	ND	ND	ND	20
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20

WATER QUALITY DATA BY DISTRIBUTION AREA

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

					Distribution Area 54					Distribution Area 57					Distribution Area 64				
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	30	No	ND	0.22	0.09	6	No	ND	0.18	ND	13
Aspartame	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	0.72	0.12	13
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	0.63	0.20	6	No	ND	0.17	ND	13
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	13
					Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	0.61	0.19	4
Aspartame	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Dilantin	Antiepileptic drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
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	2	No	ND	ND	ND	4
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	0.28	0.09	4
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4

SAFE DISPOSAL OF PHARMACEUTICALS



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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts

					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	1.56	ND	16	No	NA	NA	NA	0	No	ND	ND	ND	2
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	16	No	NA	NA	NA	0	No	ND	ND	ND	2
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	6.25	0.25	410	No	ND	0.78	0.27	8	No	ND	1.78	ND	62
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.29	ND	410	No	ND	ND	ND	8	No	ND	0.66	ND	62
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	0.58	0.11	341	No	0.05	0.19	0.10	8	No	0.03	0.09	0.05	10
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	16	No	NA	NA	NA	0	No	ND	ND	ND	2
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	5.13	0.39	410	No	ND	3.65	0.74	8	No	ND	1.28	ND	62
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.91	ND	16	No	NA	NA	NA	0	No	ND	ND	ND	2
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	6.00	ND	410	No	ND	ND	ND	8	No	ND	1.54	ND	62
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.66	ND	16	No	NA	NA	NA	0	No	ND	ND	ND	2
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.08	1.96	0.98	3438	No	0.70	1.72	1.23	43	No	0.29	1.41	0.91	141
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	16	No	NA	NA	NA	0	No	ND	ND	ND	2
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.46	ND	16	No	NA	NA	NA	0	No	ND	ND	ND	2
(**MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)																			

					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	1.48	0.85	5	No	ND	ND	ND	2	No	NA	NA	NA	0
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	5	No	ND	ND	ND	2	No	NA	NA	NA	0
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	5.57	ND	215	No	ND	4.83	0.49	13	No	ND	ND	ND	10
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.79	ND	215	No	ND	2.70	0.36	13	No	ND	ND	ND	10
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	0.35	0.08	50	No	0.03	0.09	0.07	4	No	0.02	0.08	0.06	8
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	2.37	ND	5	No	ND	ND	ND	2	No	NA	NA	NA	0
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	4.80	ND	215	No	ND	3.19	0.39	13	No	ND	0.26	ND	10
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.82	0.43	5	No	ND	ND	ND	2	No	NA	NA	NA	0
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	5.11	ND	215	No	ND	6.05	0.61	13	No	ND	ND	ND	10
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.58	ND	5	No	ND	ND	ND	2	No	NA	NA	NA	0
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.26	1.80	1.01	651	No	0.51	1.42	1.01	159	No	0.63	1.45	0.99	63
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	5	No	ND	ND	ND	2	No	NA	NA	NA	0
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	5	No	ND	ND	ND	2	No	NA	NA	NA	0
(*MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)																			

					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	0.89	0.89	0.89	1	No	ND	ND	ND	7	No	ND	ND	ND	3
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	7	No	ND	1.66	0.82	3
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.60	ND	76	No	ND	1.15	ND	127	No	ND	1.11	ND	204
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.59	ND	76	No	ND	0.83	ND	127	No	ND	1.20	ND	204
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.04	0.18	0.10	20	No	0.03	0.15	0.08	38	No	0.03	0.13	0.07	42
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	7	No	ND	ND	ND	3
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.67	0.48	76	No	ND	0.90	ND	127	No	ND	0.88	ND	204
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	1.08	1.08	1.08	1	No	ND	ND	ND	7	No	ND	0.74	ND	3
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.53	ND	76	No	ND	1.11	ND	127	No	ND	1.40	ND	204
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	7	No	ND	ND	ND	3
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.30	1.39	0.96	316	No	0.24	1.62	0.91	657	No	0.29	1.47	1.03	496
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	7	No	ND	1.24	ND	3
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	7	No	ND	ND	ND	3
(**MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)																			

					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	2.13	ND	23	No	ND	ND	ND	2	No	ND	ND	ND	6
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	2.11	ND	23	No	ND	ND	ND	2	No	ND	ND	ND	6
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	9.96	0.27	596	No	ND	0.99	ND	20	No	ND	3.89	ND	404
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	6.80	ND	596	No	ND	ND	ND	20	No	ND	0.83	ND	404
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	0.57	0.11	318	No	0.04	0.11	0.07	14	No	0.02	0.47	0.13	232
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	2	No	ND	ND	ND	6
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	9.11	0.44	596	No	ND	1.27	0.36	20	No	ND	6.48	0.45	404
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.97	ND	23	No	ND	ND	ND	2	No	ND	ND	ND	6
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	9.14	0.26	596	No	ND	0.66	ND	20	No	ND	2.42	ND	404
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	2.78	ND	23	No	ND	ND	ND	2	No	ND	ND	ND	6
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.20	1.73	0.97	2693	No	0.30	1.51	0.95	269	No	0.33	1.94	0.97	2013
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	2	No	ND	ND	ND	6
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.93	ND	23	No	ND	ND	ND	2	No	ND	ND	ND	6
(*MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)																			

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts (cont'd)

					Distribution Area 20					Distribution Area 23					Distribution Area 26				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	1.75	ND	8	No	ND	0.84	ND	5	No	ND	1.15	ND	4
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	2.22	ND	8	No	ND	ND	ND	5	No	ND	2.15	0.84	4
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	7.19	0.37	90	No	ND	1.91	ND	221	No	ND	3.91	0.36	58
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.86	ND	90	No	ND	2.30	ND	221	No	ND	3.20	0.32	58
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	0.22	0.08	57	No	ND	1.72	0.15	126	No	0.11	0.28	0.15	32
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	2.38	ND	5	No	ND	ND	ND	4
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	7.05	0.97	90	No	ND	11.70	1.21	221	No	ND	3.34	0.89	58
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.05	0.44	8	No	ND	0.65	ND	5	No	ND	0.96	0.63	4
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	6.92	0.36	90	No	ND	3.37	ND	221	No	ND	5.65	0.45	58
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	2.31	ND	8	No	ND	ND	ND	5	No	ND	ND	ND	4
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.25	1.80	0.91	804	No	0.34	2.27	0.92	1205	No	0.30	1.44	0.84	246
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.54	ND	8	No	ND	ND	ND	5	No	ND	ND	ND	4
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.95	ND	8	No	ND	ND	ND	5	No	ND	ND	ND	4
(*MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)																			

(*MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)

					Distribution Area 30					Distribution Area 32					Distribution Area 34				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	2.03	ND	7	No	NA	NA	NA	0	No	NA	NA	NA	0
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	0.81	ND	7	No	NA	NA	NA	0	No	NA	NA	NA	0
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	4.59	0.28	199	No	ND	0.35	ND	8	No	ND	1.34	0.34	10
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	7.54	0.29	199	No	ND	ND	ND	8	No	ND	0.51	ND	10
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	0.54	0.13	113	No	0.05	0.24	0.14	6	No	0.06	0.12	0.10	6
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	7	No	NA	NA	NA	0	No	NA	NA	NA	0
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	8.16	0.56	199	No	ND	1.01	0.47	8	No	0.79	2.66	2.11	10
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	2.03	0.87	7	No	NA	NA	NA	0	No	NA	NA	NA	0
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	8.07	0.38	199	No	ND	0.32	ND	8	No	ND	1.18	0.30	10
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.77	ND	7	No	NA	NA	NA	0	No	NA	NA	NA	0
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.07	1.64	0.94	800	No	0.40	1.60	0.87	63	No	0.50	1.46	0.95	105
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	7	No	NA	NA	NA	0	No	NA	NA	NA	0
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.90	ND	7	No	NA	NA	NA	0	No	NA	NA	NA	0

(*MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)

					Distribution Area 35					Distribution Area 44					Distribution Area 53				
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	ND	1.03	ND	8
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	1.60	ND	8
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	ND	ND	38	No	ND	2.58	0.46	10	No	ND	2.58	0.72	28
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	ND	ND	38	No	ND	1.04	0.28	10	No	ND	ND	ND	28
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.06	0.20	0.11	9	No	0.05	0.16	0.12	6	No	ND	1.28	0.11	31
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	8
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.86	0.44	38	No	0.66	3.55	2.06	10	No	ND	14.80	2.30	28
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	8
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	ND	ND	38	No	ND	2.64	0.49	10	No	ND	0.67	ND	28
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	6.86	2.95	8
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.50	1.51	1.04	82	No	0.48	1.44	0.95	57	No	0.60	1.60	1.10	80
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	8
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	0.66	17.10	4.90	8

(*MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)

					Distribution Area 54					Distribution Area 57					Distribution Area 64				
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	4	No	NA	NA	NA	0	No	ND	1.05	ND	2
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	4	No	NA	NA	NA	0	No	ND	ND	ND	2
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.77	0.41	34	No	ND	2.49	0.26	18	No	ND	2.51	0.45	19
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	ND	ND	34	No	ND	1.61	ND	18	No	ND	3.53	0.71	19
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	1.28	0.11	60	No	0.06	0.34	0.17	6	No	0.06	0.20	0.11	12
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	4	No	NA	NA	NA	0	No	ND	ND	ND	2
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	6.86	1.22	34	No	0.28	3.80	2.33	18	No	0.78	5.08	2.75	19
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	4	No	NA	NA	NA	0	No	ND	1.08	0.64	2
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.77	ND	34	No	ND	3.11	0.30	18	No	ND	4.24	0.78	19
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	2.44	ND	4	No	NA	NA	NA	0	No	ND	ND	ND	2
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.30	2.57	1.06	142	No	0.33	1.29	0.76	65	No	0.60	1.40	1.08	29
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	4	No	NA	NA	NA	0	No	ND	2.15	1.38	2
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	0.45	2.65	1.20	4	No	NA	NA	NA	0	No	ND	ND	ND	2

(*MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts (cont'd)

					Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	8	No	ND	ND	ND	8
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	8	No	ND	ND	ND	8
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.59	0.48	24	No	ND	1.15	0.54	10	No	ND	0.69	0.27	12
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	0.72	ND	24	No	ND	0.35	ND	10	No	ND	ND	ND	12
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.03	0.12	0.07	14	No	0.04	0.11	0.06	10	No	0.04	0.11	0.07	12
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	8	No	ND	ND	ND	8
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	0.26	2.17	0.66	24	No	0.84	2.32	1.30	10	No	ND	1.17	0.54	12
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.43	ND	10	No	ND	ND	ND	8	No	ND	0.48	ND	8
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.08	0.37	24	No	ND	0.75	0.40	10	No	ND	0.47	ND	12
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	8	No	ND	ND	ND	8
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.30	1.40	0.94	162	No	0.38	1.30	0.85	56	No	0.30	1.45	0.91	105
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	8	No	ND	ND	ND	8
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	8	No	ND	ND	ND	8
(*MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)																			

(*MCL is the sum of the starred compounds shown above, including Monobromoacetic Acid not present)

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.

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 2021 LCR results, we have optimal corrosion control. Additional information on our pH treatment can be found on page 37.

2021 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 Water District (Distribution Area 64), the 90th percentile is found by averaging the two highest concentrations.

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

Location	Violation Yes/No	Date of Sampling	Number of Samples	Results ug/l	90th Percentile Value (ug/l) ^{1,2}	No. of Samples Over Action Level
SCWA	No	8/03-9/14	50	ND-7.91	ND	0
Fire Island	No	7/15-9/21	23	ND-5.61	3.40	0
Stony Brook	No	8/28-9/6	20	ND-3.73	1.12	0
Riverside	No	8/10-8/21	13	ND-ND	ND	0
E. Farmingdale	No	8/19-8/30	21	ND-1.38	1.03	0
Dering Harbor	No	8/03-8/05	6	ND-1.12	1.06	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, 133 total samples were collected from the water systems shown above and the 90th percentile values ranged from ND to 7.91 ug/l for lead. The action level for lead was not exceeded at any of the 133 sites tested.

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

Location	Violation Yes/No	Date of Sampling	Number of Samples	Results mg/l	90th Percentile Value (mg/l) ^{1,2}	No. of Samples Over Action Level
SCWA	No	8/03-9/14	50	0.0327-0.574	0.435	0
Fire Island	No	7/15-9/21	23	ND-0.465	0.426	0
Stony Brook	No	8/28-9/6	20	0.0212-0.586	0.388	0
Riverside	No	8/10-8/21	13	0.0601-0.370	0.246	0
E. Farmingdale	No	8/16-8/30	21	0.0565-0.508	0.249	0
Dering Harbor	No	8/03-8/05	6	0.158-0.663	0.53	0

(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, 133 total samples were collected from the water systems shown above and the 90th percentile values ranged from ND to 0.663 mg/l for copper. The action level for copper was not exceeded at any of the 133 sites tested.

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring 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																			
* Distribution Area 1 merged with Distribution Area 20 after August 1, 2021																			
Alkalinity to pH 4.5 mg. CaCO3/l	Naturally occurring	n/a	n/a	mg/L	No	ND	117.0	36.3	294	No	43.0	58.2	48.2	8	No	33.4	43.4	37.5	10
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.27	0.03	565	No	0.02	0.09	0.06	8	No	ND	0.07	ND	50
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	0.25	ND	354	No	ND	ND	ND	8	No	ND	ND	ND	10
Antimony	Discharge from petroleum refineries	6	6	ug/L	No	ND	ND	ND	565	No	ND	ND	ND	8	No	ND	ND	ND	50
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	1.9	ND	565	No	ND	ND	ND	8	No	ND	ND	ND	50
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.08	ND	565	No	ND	ND	ND	8	No	ND	0.18	0.04	50
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	0.59	ND	877	No	ND	0.11	ND	37	No	ND	ND	ND	12
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	92.3	ND	341	No	ND	ND	ND	8	No	ND	52.8	ND	10
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	0.2	ND	565	No	ND	ND	ND	8	No	ND	ND	ND	50
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	ND	55.9	12.3	877	No	ND	0.9	0.6	37	No	10.2	41.8	17.3	12
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	3.9	119.0	18.4	328	No	3.6	4.3	3.9	8	No	10.4	136.0	59.3	41
Chromium, total	Natural deposits	100	100	ug/L	No	ND	2.0	ND	565	No	ND	0.7	ND	8	No	ND	8.5	1.8	50
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.1	19.6	4.1	294	No	1.2	3.5	2.1	8	No	2.9	13.4	7.7	10
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	3.5	ND	565	No	ND	ND	ND	8	No	ND	ND	ND	50
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	Yes	ND	17	ND	294	No	ND	10	7	8	No	ND	ND	ND	10
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.17	ND	565	No	ND	0.03	ND	8	No	ND	ND	ND	50
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	0.4	ND	328	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	2.2	171.0	36.8	877	No	ND	2.8	ND	37	No	41.0	152.0	68.1	12
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.91	0.12	294	No	ND	0.18	ND	8	No	ND	7.75	1.83	38
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	928	179	877	Yes	183	413	261	37	No	ND	55	ND	12
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	9.0	1.9	565	No	3.7	4.3	4.0	8	No	ND	1.7	ND	50
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.22	7.81	1.49	877	No	ND	ND	ND	37	No	3.77	11.60	6.04	12
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	184	ND	877	No	ND	ND	ND	37	No	ND	ND	ND	12
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	565	No	ND	ND	ND	8	No	ND	ND	ND	50
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	8.1	1.1	565	No	ND	ND	ND	8	No	ND	1.4	ND	50
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	6.25	0.66	328	No	ND	0.01	ND	8	No	0.17	7.59	4.67	41
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	328	No	ND	ND	ND	8	No	ND	ND	ND	41
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	3.42	0.15	287	No	ND	ND	ND	8	No	ND	1.16	0.70	10
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.8	7.4	615	No	7.4	7.9	7.7	8	No	6.7	8.5	7.1	22
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.0	9.5	7.4	3427	No	6.8	8.1	7.7	43	No	6.7	8.0	7.2	141
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	3.98	0.59	877	No	ND	4.25	1.30	37	No	ND	ND	ND	12
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.22	5.09	0.66	877	No	1.05	1.55	1.23	37	No	0.82	2.13	1.22	12
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.1	8.1	4.8	565	No	4.2	4.4	4.3	8	No	6.6	8.4	7.2	50
Sodium	Naturally occurring	n/a	n/a	mg/L	No	2.9	69.7	7.7	877	No	20.8	27.8	24.0	37	No	7.6	64.5	17.9	12
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	46	564	131	294	No	106	149	120	8	No	145	215	168	10
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.222	0.037	565	No	ND	ND	ND	8	No	0.034	0.139	0.058	50
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	50.9	6.6	328	No	7.7	8.5	8.2	8	No	5.0	19.7	11.8	41
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	264	No	ND	ND	ND	6	No	ND	ND	ND	8
Tin	Solder used in plumbing	n/a	n/a	ug/L	No	ND	ND	ND	565	No	ND	ND	ND	8	No	ND	ND	ND	50
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	12.8	ND	877	No	ND	ND	ND	37	No	ND	ND	ND	12
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	26	No	0.6	0.7	0.6	2	No	ND	ND	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	3.1	0.41	294	No	ND	0.64	ND	8	No	ND	0.53	ND	10
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	565	No	ND	ND	ND	8	No	ND	ND	ND	50
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.04	ND	565	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 28)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	289	No	ND	ND	ND	8	No	ND	ND	ND	12
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	289	No	ND	ND	ND	8	No	ND	ND	ND	12
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	285	No	ND	ND	ND	8	No	ND	ND	ND	12
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	285	No	ND	ND	ND	8	No	ND	ND	ND	12
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	288	No	ND	ND	ND	8	No	ND	ND	ND	10
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	282	No	ND	ND	ND	7	No	ND	ND	ND	9
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.88	0.10	335	No	ND	ND	ND	8	No	ND	1.36	0.49	21
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	282	No	ND	ND	ND	7	No	ND	ND	ND	9
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	282	No	ND	ND	ND	7	No	ND	ND	ND	9
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	282	No	ND	ND	ND	7	No	ND	ND	ND	9
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	289	No	ND	ND	ND	8	No	ND	ND	ND	12
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	289	No	ND	ND	ND	8	No	ND	ND	ND	12
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	286	No	ND	ND	ND	8	No	ND	ND	ND	13
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.22	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	410	No	ND	ND	ND	8	No	ND	0.26	ND	62
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	0.19	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
1,4-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	0.92	ND	410	No	ND	ND	ND	8	No	ND	0.57	0.30	62
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.52	ND	410	No	ND	ND	ND	8	No	ND	0.31	ND	62
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.21	ND	410	No	ND	ND	ND	8	No	ND	0.26	ND	62
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
Methylethylketone	Used in the coatings industry	50																	

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	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	87.2	52.3	46	No	41.2	63.8	54.5	4	No	24.6	33.2	29.2	8
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.05	0.03	72	No	0.02	0.05	0.03	7	No	ND	0.02	ND	8
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	47	No	ND	ND	ND	4	No	ND	ND	ND	8
Antimony	Discharge from petroleum refineries	6	6	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	7	No	ND	ND	ND	8
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	7	No	ND	ND	ND	8
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.08	ND	72	No	ND	0.03	0.02	7	No	ND	ND	ND	8
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	88.6	ND	50	No	ND	72.0	53.7	4	No	ND	ND	ND	8
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	7	No	ND	ND	ND	8
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	5.0	37.3	21.6	46	No	18.5	34.0	25.3	4	No	8.3	14.9	12.2	8
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	6.8	33.2	19.2	129	No	14.5	22.4	20.1	7	No	6.8	17.4	11.6	8
Chromium, total	Natural deposits	100	100	ug/L	No	ND	8.4	0.5	72	No	ND	10.6	3.9	7	No	ND	ND	ND	8
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.5	15.9	6.1	46	No	3.3	14.6	8.3	4	No	2.2	7.6	4.7	8
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	0.7	ND	72	No	ND	ND	ND	7	No	ND	ND	ND	8
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	72	No	ND	ND	ND	7	No	ND	ND	ND	8
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	129	No	ND	ND	ND	7	No	ND	ND	ND	8
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	20.3	126.0	72.3	46	No	62.4	105.0	82.0	4	No	24.1	48.9	37.9	8
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	4.43	0.27	71	No	ND	10.30	5.01	7	No	ND	0.20	0.10	8
Iron	Naturally occurring	300	n/a	ug/L	No	ND	51	ND	46	No	ND	41	ND	4	No	ND	ND	ND	8
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.2	ND	72	No	ND	ND	ND	7	No	ND	ND	ND	8
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.36	8.72	4.48	46	No	3.94	5.25	4.58	4	No	0.80	2.91	1.78	8
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	7	No	ND	ND	ND	8
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	3.5	0.5	72	No	ND	0.7	ND	7	No	0.7	1.3	1.0	8
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.38	9.35	5.65	128	No	4.12	8.54	6.32	7	No	1.37	3.74	2.57	8
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	128	No	ND	ND	ND	7	No	ND	ND	ND	8
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	2.90	0.97	66	No	0.13	2.69	1.42	4	No	0.79	1.92	1.38	8
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.4	9.3	7.3	98	No	5.7	8.1	7.1	11	No	6.9	7.5	7.1	9
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.4	9.5	7.3	647	No	6.5	7.7	7.1	159	No	6.9	8.0	7.2	63
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.44	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.57	1.67	1.02	46	No	0.78	1.07	1.00	4	No	0.51	0.95	0.71	8
Silicon	Naturally occurring	n/a	n/a	mg/L	No	5.0	11.4	7.4	72	No	6.5	7.8	7.0	7	No	3.8	4.0	3.9	8
Sodium	Naturally occurring	n/a	n/a	mg/L	No	5.6	17.9	10.7	46	No	8.5	12.8	11.6	4	No	5.0	10.3	7.3	8
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	75	394	213	46	No	206	279	244	4	No	81	165	124	8
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.023	0.113	0.080	72	No	0.060	0.092	0.079	7	No	0.016	0.050	0.033	8
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	31.7	9.9	129	No	7.1	11.4	9.9	7	No	ND	8.5	4.0	8
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	43	No	ND	ND	ND	2	No	ND	ND	ND	6
Tin	Solder used in plumbing	n/a	n/a	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	7	No	ND	ND	ND	8
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4	No	ND	ND	ND	8
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.83	ND	46	No	ND	0.64	0.42	4	No	ND	0.75	ND	8
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	7	No	ND	ND	ND	8
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	72	No	ND	ND	ND	7	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 28)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	50	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	50	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	70	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	70	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	44	No	ND	ND	ND	4	No	ND	ND	ND	8
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	9
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	2.85	0.56	83	No	ND	1.04	0.61	7	No	ND	0.17	0.10	14
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	9
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	9
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	9
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	50	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	50	No	ND	ND	ND	4	No	ND	ND	ND	8
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	4.31	1.08	59	No	ND	ND	ND	4	No	ND	ND	ND	8
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.80	ND	215	No	ND	0.47	ND	13	No	ND	ND	ND	10
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
1,4-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	1.85	0.48	215	No	ND	1.13	0.52	13	No	ND	ND	ND	10
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.30	ND	215	No	ND	0.33	ND	13	No	ND	ND	ND	10
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	0.37	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
Methyl-Tert-Butyl Ether	Gasoline</																		

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg. CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	36.0	95.4	56.4	20	No	26.8	70.8	41.9	34	No	ND	103.0	50.2	42
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.04	0.02	42	No	ND	0.05	0.03	58	No	ND	0.14	0.04	52
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	20	No	ND	ND	ND	39	No	ND	ND	ND	44
Antimony	Discharge from petroleum refineries	6	6	ug/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	52
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	52
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	52
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	20	No	ND	ND	ND	34	No	ND	ND	ND	52
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	60.1	ND	20	No	ND	52.9	ND	38	No	ND	322.0	56.7	42
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	52
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	16.7	34.7	25.2	20	No	12.0	32.8	20.7	34	No	9.6	49.3	23.7	52
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	9.8	35.8	21.5	98	No	11.6	41.2	21.3	183	No	9.9	70.1	42.2	138
Chromium, total	Natural deposits	100	100	ug/L	No	ND	9.0	1.5	42	No	ND	3.5	0.8	58	No	ND	3.2	0.6	52
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.5	11.1	5.1	20	No	1.6	11.7	5.6	34	No	0.8	16.5	6.4	42
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	42	No	ND	1.2	ND	58	No	ND	2.3	ND	52
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	7	ND	20	No	ND	5	ND	34	No	ND	7	ND	42
Copper	Household plumbing	AL=1.3	1.3		mg/L	No	ND	0.03	ND	42	No	ND	0.05	ND	58	No	ND	0.03	ND
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	98	No	ND	ND	ND	183	No	ND	ND	ND	138
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	60.6	131.0	87.5	20	No	35.9	109.0	68.9	34	No	29.0	148.0	75.5	52
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	8.97	1.32	43	No	ND	3.50	0.60	58	No	ND	2.82	0.46	52
Iron	Naturally occurring	300	n/a	ug/L	No	ND	35	ND	20	No	ND	175	ND	34	No	ND	260	ND	52
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.5	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	52
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.73	11.90	5.97	20	No	1.38	7.06	4.16	34	No	1.19	6.59	4.00	52
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	34	No	ND	90	21	52
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	52
Nickel	Alloys, coatings, manufacturing, batteries	100	n/a	ug/L	No	ND	2.3	0.7	42	No	ND	2.0	0.8	58	No	ND	5.0	1.4	52
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.64	8.89	6.77	98	No	2.51	8.82	6.63	181	No	1.84	8.69	6.12	137
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	98	No	ND	ND	ND	181	No	ND	ND	ND	137
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	2.80	0.93	26	No	ND	3.83	1.95	63	No	ND	2.46	0.88	47
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	5.9	9.0	7.3	47	No	6.6	8.9	7.2	65	No	6.7	8.6	7.2	80
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	9.0	7.3	316	No	6.2	9.0	7.2	653	No	6.8	8.5	7.3	496
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	20	No	ND	ND	ND	34	No	ND	ND	ND	52
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.77	2.16	1.21	20	No	0.64	1.40	1.04	34	No	0.62	2.12	1.22	52
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.5	9.6	7.0	42	No	3.5	8.2	6.2	58	No	3.9	7.4	5.4	52
Sodium	Naturally occurring	n/a	n/a	mg/L	No	10.1	22.3	15.3	20	No	7.6	16.2	11.6	34	No	6.6	32.8	18.8	52
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	189	382	268	20	No	122	322	213	34	No	103	441	243	42
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.051	0.137	0.093	42	No	0.026	0.148	0.089	58	No	0.021	0.129	0.069	52
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.2	28.0	15.5	98	No	ND	30.1	13.2	183	No	ND	17.1	8.7	138
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	16	No	ND	ND	ND	33	No	ND	ND	ND	40
Tin	Solder used in plumbing	n/a	n/a	ug/L	No	ND	ND	ND	42	No	ND	ND	ND	58	No	ND	ND	ND	52
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	34	No	ND	6.0	ND	52
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	0.92	0.42	20	No	ND	0.99	ND	34	No	ND	1.4	0.54	42
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.4	ND	42	No	ND	1.0	ND	58	No	ND	ND	ND	52
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	42	No	ND	0.04	ND	58	No	ND	ND	ND	52

Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 28)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	38	No	ND	ND	ND	44
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	38	No	ND	ND	ND	44
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	38	No	ND	ND	ND	46
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	38	No	ND	ND	ND	46
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	41	No	ND	ND	ND	78
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	44
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	2.72	0.83	41	No	ND	1.09	0.44	65	No	ND	1.21	0.47	80
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	44
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	44
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND	ND	ND	44
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	38	No	ND	ND	ND	44
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	38	No	ND	ND	ND	44
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	26	No	ND	ND	ND	39	No	ND	1.11	ND	51

Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	0.45	ND	204
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.31	ND	76	No	ND	ND	ND	127	No	ND	1.30	ND	204
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
1,4-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	1.12	ND	204
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	2.10	0.75	76	No	ND	1.14	0.36	127	No	ND	1.73	0.43	204
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	1.50	ND	76	No	ND	0.48	ND	127	No	ND	1.13	ND	204
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	76	No	ND	0.33	ND	127	No	ND	ND	ND	204
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.28	ND	76	No	ND	0.53	ND	127	No	ND	1.35	ND	204
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	1.29	ND	76	No	ND	2.83	ND	127	No	ND	0.56	ND	204
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	ND	ND	204
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	1.45	0.28	76	No	ND	0.38	ND	127	No	ND	0.97	ND	204
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	1.06	ND	76	No	ND	0.31	ND	127	No	ND	1.12	ND	204
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	ND	ND	127	No	ND	2.03	ND	204
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	0.49	ND	127	No	ND	ND	ND	204
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	76	No	ND	0.70	ND	127	No	ND	0.75	ND	204

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	144.0	55.4	274	No	ND	51.2	24.7	14	No	ND	115.0	47.9	169
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.33	0.03	487	No	ND	0.03	ND	14	No	ND	0.12	0.03	220
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	0.06	ND	304	No	ND	ND	ND	14	No	ND	0.28	ND	184
Antimony	Discharge from petroleum refineries	6	6	ug/L	No	ND	0.42	ND	487	No	ND	ND	ND	14	No	ND	ND	ND	220
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	4.0	ND	487	No	ND	ND	ND	14	No	ND	1.2	ND	220
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.10	ND	487	No	ND	ND	ND	14	No	ND	0.10	0.02	220
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	492	No	ND	ND	ND	14	No	ND	ND	ND	240
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	95.8	ND	318	No	ND	ND	ND	14	No	ND	52.0	ND	232
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	487	No	ND	ND	ND	14	No	ND	ND	ND	220
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	3.7	58.3	20.5	492	No	4.4	18.6	8.7	14	No	3.5	54.2	21.6	240
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	4.0	103.0	38.2	469	No	4.5	18.3	7.6	14	No	4.3	129.0	37.4	492
Chromium, total	Natural deposits	100	100	ug/L	No	ND	1.8	ND	487	No	ND	1.5	ND	14	No	ND	4.3	1.1	220
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.4	20.7	5.8	274	No	0.5	7.6	3.9	14	No	0.4	29.3	6.3	169
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	6.4	ND	487	No	ND	ND	ND	14	No	ND	0.6	ND	220
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	10	ND	273	No	ND	ND	ND	14	No	ND	12	ND	169
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.23	ND	487	No	ND	0.05	ND	14	No	ND	0.04	ND	220
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	469	No	ND	ND	ND	14	No	ND	ND	ND	492
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	10.7	193.0	68.0	492	No	13.7	59.0	27.1	14	No	13.6	161.0	73.4	241
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	1.74	0.36	271	No	0.15	1.34	0.43	14	No	ND	4.09	0.93	187
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	740	94	492	No	ND	5.1	ND	14	Yes	ND	582	58	240
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	4.7	ND	487	No	ND	2.8	ND	14	No	ND	3.3	ND	220
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.30	18.90	4.10	492	No	0.67	3.04	1.34	14	No	0.82	11.70	4.73	240
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	154	15	492	No	ND	ND	ND	14	No	ND	8.1	15	240
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	1.1	ND	487	No	ND	ND	ND	14	No	ND	ND	ND	220
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	7.8	0.7	487	No	ND	0.6	ND	14	No	ND	6.0	0.5	220
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	9.60	3.92	469	No	0.04	3.87	0.97	14	No	0.08	9.81	4.65	492
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	469	No	ND	ND	ND	14	No	ND	ND	ND	492
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	3.43	0.44	273	No	ND	1.43	0.31	14	No	ND	3.75	0.91	202
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.2	8.8	7.3	486	No	6.8	8.2	7.2	22	No	6.1	8.9	7.2	295
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	5.6	9.0	7.3	2684	No	6.5	8.0	7.2	269	No	6.1	8.9	7.3	2013
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	2.21	0.41	492	No	ND	ND	ND	14	No	ND	4.76	0.40	240
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.24	3.41	1.11	492	No	0.31	0.85	0.47	14	No	0.36	3.21	1.26	240
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.2	11.0	6.7	487	No	4.0	6.9	5.2	14	No	4.8	10.6	7.2	220
Sodium	Naturally occurring	n/a	n/a	mg/L	No	3.0	63.8	16.5	492	No	3.5	11.7	5.8	14	No	3.9	59.9	20.4	241
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	38	651	240	274	No	49	192	90	14	No	51	512	235	169
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.200	0.054	487	No	ND	0.051	0.017	14	No	ND	0.183	0.064	220
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	29.9	13.0	469	No	ND	7.0	ND	14	No	ND	35.2	11.4	492
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	239	No	ND	ND	ND	10	No	ND	0.08	ND	169
Tin	Solder used in plumbing	n/a	n/a	ug/L	No	ND	ND	ND	487	No	ND	ND	ND	14	No	ND	ND	ND	220
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	6.2	ND	492	No	ND	ND	ND	14	No	ND	5.2	ND	241
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.5	ND	26	No	ND	ND	ND	4	No	ND	ND	ND	12
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	3.3	0.63	274	No	ND	0.61	ND	14	No	ND	2.92	0.53	169
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.4	ND	487	No	ND	1.6	ND	14	No	ND	6.8	ND	220
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.04	ND	487	No	ND	ND	ND	14	No	ND	0.05	ND	220

Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 28)

Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	265	No	ND	ND	ND	14	No	ND	ND	ND	187
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	265	No	ND	ND	ND	14	No	ND	ND	ND	187
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	266	No	ND	ND	ND	14	No	ND	ND	ND	181
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	266	No	ND	ND	ND	14	No	ND	ND	ND	181
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	283	No	ND	ND	ND	14	No	ND	0.29	ND	179
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	259	No	ND	ND	ND	14	No	ND	0.28	ND	174
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.99	0.17	406	No	ND	0.31	0.12	16	No	ND	0.82	0.22	262
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	259	No	ND	ND	ND	14	No	ND	ND	ND	174
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	259	No	ND	ND	ND	14	No	ND	ND	ND	174
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	259	No	ND	ND	ND	14	No	ND	ND	ND	174
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	265	No	ND	ND	ND	14	No	ND	ND	ND	187
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	265	No	ND	ND	ND	14	No	ND	ND	ND	187
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	2.60	ND	285	No	ND	ND	ND	14	No	ND	1.88	ND	180

Volatile Organic Compounds

Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.26	ND	596	No	ND	ND	ND	20	No	ND	0.38	ND	404
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	1.03	ND	596	No	ND	ND	ND	20	No	ND	ND	ND	404
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.38	ND	596	No	ND	ND	ND	20	No	ND	0.71	ND	404
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	596	No	ND	ND	ND	20	No	ND	ND	ND	404
1,4-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	596	No	ND	ND	ND	20	No	ND	ND	ND	404
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	1.67	ND	596	No	ND	ND	ND	20	No	ND	0.30	ND	404
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	1.74	ND	596	No	ND	ND	ND	20	No	ND	1.95	ND	404
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	1.25	ND	596	No	ND	ND	ND	20	No	ND	1.93	ND	404
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	596	No	ND	ND	ND	20	No	ND	0.60	ND	404
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.34	ND	596	No	ND	ND	ND	20	No	ND	ND	ND	404
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	4.20	ND	596	No	ND	ND	ND	20	No	ND	ND	ND	404
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	0.42	ND	596	No	ND	ND	ND	20	No	ND	ND	ND	404
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	5.99	ND	596	No	ND	ND	ND	20	No	ND	ND	ND	404
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	5.58	ND	596	No	ND	ND	ND	20	No	ND	0.83	ND	404
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	1.79	ND	596	No	ND	ND	ND	20	No	ND	0.28	ND	404
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	1.08	ND	596	No	ND	ND	ND	20	No	ND	ND	ND	404
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	1.30	ND	596	No	ND	ND	ND	20	No	ND	1.47	ND	404
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	596	No	ND	ND	ND	20	No	ND	ND	ND	404
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	596	No	ND	ND	ND	20	No	ND	ND	ND	404
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	1.14	ND	596	No	ND	ND	ND	20	No	ND	1.92	ND	404
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	0.92	ND	596	No	ND	ND	ND	20	No	ND	0.68	ND	404
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	596	No	ND	ND	ND	20	No	ND	0.61	ND	404
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	596	No	ND	ND	ND	20	No	ND	1.37	ND	404
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	0.50	ND	596	No	ND	ND	ND	20	No	ND	0.68	ND	404

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 20					Distribution Area 23					Distribution Area 26				
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																			
* Distribution Area 20 merged to become Distribution Area 1 after August 1, 2021																			
Alkalinity to pH 4.5 mg. CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	ND	64.4	37.1	52	No	ND	99.0	49.3	107	No	ND	160.0	56.9	28
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.09	0.02	81	No	ND	0.14	0.03	127	No	ND	0.10	0.02	28
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	61	No	ND	ND	ND	138	No	ND	ND	ND	29
Antimony	Discharge from petroleum refineries	6	6	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	127	No	ND	ND	ND	28
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	2.5	ND	81	No	ND	ND	ND	127	No	ND	ND	ND	28
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.06	ND	81	No	ND	0.09	0.03	127	No	0.02	0.10	0.05	28
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	0.61	ND	143	No	ND	ND	ND	188	No	ND	ND	ND	132
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	79.0	ND	57	No	ND	157.0	ND	126	No	ND	157.0	75.1	32
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	127	No	ND	ND	ND	28
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	ND	19.8	10.3	143	No	3.6	48.0	21.9	188	No	5.1	59.8	21.2	132
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	5.9	55.7	13.1	53	No	9.8	74.6	37.2	257	No	23.7	79.0	45.6	32
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.8	ND	81	No	ND	2.2	ND	127	No	ND	1.0	ND	28
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.1	13.8	4.3	52	No	0.7	10.7	3.7	107	No	1.3	11.0	4.8	28
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	0.6	ND	81	No	ND	4.3	ND	127	No	ND	1.2	ND	28
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	12	ND	52	No	ND	12	ND	107	No	ND	12	ND	28
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.10	ND	81	No	ND	0.09	ND	127	No	ND	0.03	ND	28
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	0.5	ND	53	No	ND	ND	ND	257	No	ND	ND	ND	32
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	2.2	65.9	32.2	143	No	15.4	148.0	73.1	188	No	26.3	197.0	80.4	132
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.66	0.19	53	No	ND	1.97	0.31	107	No	ND	1.74	0.20	28
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	714	261	143	Yes	ND	533	102	188	Yes	ND	642	111	132
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	8.1	3.1	81	No	ND	5.1	1.1	127	No	ND	2.1	1.2	28
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.43	4.45	1.59	143	No	1.49	8.74	4.47	188	No	3.25	11.90	6.66	132
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	41	12	143	No	ND	215	27	188	No	ND	154	18	132
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	127	No	ND	ND	ND	28
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	2.3	ND	81	No	ND	2.8	0.6	127	No	ND	2.3	0.6	28
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	2.92	0.29	53	No	ND	8.63	3.79	257	No	0.12	3.96	1.86	32
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	53	No	ND	ND	ND	254	No	ND	ND	ND	32
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	2.38	0.17	52	No	ND	0.94	0.21	122	No	ND	0.42	0.21	30
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.7	7.9	7.3	88	No	6.0	8.3	7.4	160	No	6.6	8.1	7.4	35
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	8.4	7.3	801	No	6.7	8.7	7.5	1204	No	6.9	8.0	7.5	242
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	2.82	0.83	143	No	ND	3.58	0.41	188	No	ND	3.71	1.19	132
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.28	5.21	0.78	143	No	0.41	4.22	1.32	188	No	0.97	2.12	1.62	132
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.6	8.0	5.8	81	No	5.7	10.5	7.4	127	No	7.4	10.9	9.2	28
Sodium	Naturally occurring	n/a	n/a	mg/L	No	4.5	57.3	8.4	143	No	6.6	41.3	17.9	188	No	14.9	39.3	27.2	132
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	67	311	131	52	No	84	458	235	107	No	187	471	299	28
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.081	0.038	81	No	0.022	0.135	0.070	127	No	0.045	0.124	0.080	28
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	29.0	7.6	53	No	3.7	59.1	21.7	257	No	8.7	25.3	13.0	32
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	50	No	ND	ND	ND	114	No	ND	ND	ND	24
Tin	Solder used in plumbing	n/a	n/a	ug/L	No	ND	ND	ND	81	No	ND	ND	ND	127	No	ND	ND	ND	28
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.6	ND	143	No	ND	ND	ND	188	No	ND	ND	ND	132
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.86	ND	52	No	ND	2.7	0.50	107	Yes	ND	5.6	1.1	28
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	81	No	ND	5.8	ND	127	No	ND	ND	ND	28
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	81	No	ND	0.04	ND	127	No	ND	ND	ND	28
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 28)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	133	No	ND	ND	ND	30
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	133	No	ND	ND	ND	30
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	144	No	ND	ND	ND	30
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	144	No	ND	ND	ND	30
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	122	No	ND	ND	ND	30
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	136	No	ND	0.21	ND	28
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.13	ND	54	No	ND	0.21	ND	136	No	ND	0.96	0.10	40
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	136	No	ND	ND	ND	28
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	136	No	ND	ND	ND	28
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	136	No	ND	ND	ND	28
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	1.78	ND	133	No	ND	ND	ND	30
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	ND	ND	132	No	ND	ND	ND	30
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	53	No	ND	2.40	ND	127	No	ND	ND	ND	30
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.21	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	8.74	ND	221	No	ND	0.92	ND	58
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	0.24	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
1,4-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	0.29	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	0.47	ND	58
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	0.17	ND	221	No	ND	2.35	ND	58
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No														

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants					Distribution Area 30					Distribution Area 32					Distribution Area 34				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	28.0	164.0	65.8	110	No	27.2	55.4	40.6	6	No	39.6	62.2	46.3	6
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.23	0.04	149	No	ND	0.06	0.04	6	No	ND	0.04	0.03	6
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	145	No	ND	ND	ND	6	No	ND	ND	ND	6
Antimony	Discharge from petroleum refineries	6	6	ug/L	No	ND	ND	ND	149	No	ND	ND	ND	6	No	ND	ND	ND	6
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	149	No	ND	ND	ND	6	No	ND	ND	ND	6
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.07	0.03	149	No	ND	0.08	0.03	6	No	ND	ND	ND	6
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	157	No	ND	ND	ND	6	No	ND	ND	ND	6
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	428.0	76.9	113	No	ND	ND	ND	6	No	ND	ND	ND	6
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	149	No	ND	ND	ND	6	No	ND	ND	ND	6
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	11.4	57.8	31.0	157	No	9.0	21.8	15.3	6	No	14.6	20.8	17.4	6
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	12.6	142.0	52.9	541	No	37.5	110.0	66.2	6	No	11.9	16.0	14.2	6
Chromium, total	Natural deposits	100	100	ug/L	No	ND	3.4	0.5	149	No	ND	0.6	ND	6	No	ND	0.5	ND	6
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.3	28.3	6.6	110	No	1.8	5.8	3.7	6	No	1.4	7.9	4.3	6
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	149	No	ND	0.6	ND	6	No	ND	ND	ND	6
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	110	No	ND	7	ND	6	No	ND	7	ND	6
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.46	0.03	149	No	ND	ND	ND	6	No	ND	0.05	0.02	6
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	541	No	ND	ND	ND	6	No	ND	ND	ND	6
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	39.4	206.0	107.6	157	No	32.1	66.1	49.0	6	No	47.8	65.6	57.7	6
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	2.57	0.32	109	No	ND	0.36	0.22	6	No	ND	0.42	0.28	6
Iron	Naturally occurring	300	n/a	ug/L	No	ND	204	34	157	No	ND	56	ND	6	No	ND	177	68	6
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	3.0	ND	149	No	ND	ND	ND	6	No	ND	2.1	ND	6
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.65	15.00	7.31	157	No	2.28	2.92	2.63	6	No	2.75	4.80	3.47	6
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	203	25	157	No	ND	ND	ND	6	No	ND	33	14	6
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	149	No	ND	ND	ND	6	No	ND	ND	ND	6
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	1.8	ND	149	No	ND	0.8	ND	6	No	ND	ND	ND	6
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.52	9.60	4.87	540	No	0.34	0.79	0.56	6	No	0.43	0.92	0.63	6
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	540	No	ND	ND	ND	6	No	ND	ND	ND	6
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	4.07	1.91	205	No	ND	0.15	ND	6	No	ND	0.22	ND	5
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.4	9.3	7.4	239	No	7.1	8.1	7.4	11	No	7.0	7.8	7.4	6
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	9.5	7.4	796	No	6.5	8.0	7.3	63	No	6.6	8.0	7.4	105
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	4.37	0.33	157	No	ND	ND	ND	6	No	ND	ND	ND	6
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.55	6.28	2.36	157	No	0.67	0.96	0.76	6	No	0.67	0.84	0.75	6
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.1	8.6	6.5	149	No	3.9	5.4	4.6	6	No	6.0	9.0	7.2	6
Sodium	Naturally occurring	n/a	n/a	mg/L	No	8.2	89.1	34.4	157	No	22.1	66.3	40.7	6	No	8.7	11.0	9.7	6
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	134	715	388	109	No	249	447	313	6	No	142	205	173	6
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.038	0.205	0.112	149	No	0.048	0.075	0.061	6	No	0.036	0.074	0.052	6
Sulfate	Naturally occurring	250	n/a	mg/L	No	6.6	73.0	34.6	541	No	5.6	9.8	6.9	6	No	8.0	29.2	15.5	6
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	129	No	ND	ND	ND	4	No	ND	ND	ND	4
Tin	Solder used in plumbing	n/a	n/a	ug/L	No	ND	ND	ND	149	No	ND	ND	ND	6	No	ND	ND	ND	6
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	7.9	ND	157	No	ND	ND	ND	6	No	ND	ND	ND	6
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.6	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	2.2	0.51	110	No	ND	0.62	ND	6	No	ND	0.75	0.55	6
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.3	ND	149	No	ND	ND	ND	6	No	ND	2.4	1.1	6
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	149	No	ND	ND	ND	6	No	ND	ND	ND	6
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 28)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	0.82	ND	149	No	ND	ND	ND	6	No	ND	ND	ND	6
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	0.83	ND	149	No	ND	ND	ND	6	No	ND	ND	ND	6
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	0.91	ND	223	No	ND	ND	ND	6	No	ND	ND	ND	6
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	0.90	ND	223	No	ND	ND	ND	6	No	ND	ND	ND	6
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	125	No	ND	ND	ND	6	No	ND	ND	ND	6
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	139	No	ND	ND	ND	6	No	ND	ND	ND	6
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.10	ND	133	No	ND	ND	ND	6	No	ND	ND	ND	6
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	0.37	ND	139	No	ND	ND	ND	6	No	ND	ND	ND	6
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	0.63	ND	139	No	ND	ND	ND	6	No	ND	ND	ND	6
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	0.22	ND	139	No	ND	ND	ND	6	No	ND	ND	ND	6
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	2.69	ND	149	No	ND	ND	ND	6	No	ND	ND	ND	6
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	3.21	ND	149	No	ND	ND	ND	6	No	ND	ND	ND	6
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	16.30	1.86	183	No	ND	ND	ND	6	No	ND	ND	ND	6
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
1,4-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	0.28	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND							

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 35					Distribution Area 44					Distribution Area 53				
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. CaCO ₃ /L	Naturally occurring	n/a	n/a	mg/L	No	61.6	115.0	86.5	9	No	32.0	43.8	38.7	6	No	ND	48.0	37.5	20
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	9	No	ND	0.02	ND	6	No	ND	0.92	0.33	29
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	ND	ND	20
Antimony	Discharge from petroleum refineries	6	6	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	ND	ND	29
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	ND	ND	29
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.03	ND	9	No	ND	ND	ND	6	No	ND	ND	ND	29
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	ND	ND	71
Bromide	Naturally occurring	n/a	n/a	ug/L	No	58.1	88.1	71.8	9	No	ND	60.0	ND	6	No	ND	ND	ND	31
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	ND	ND	29
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	27.2	29.3	28.0	9	No	11.5	28.5	16.7	6	No	ND	0.9	0.6	71
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	ND	17.4	4.5	24	No	14.7	25.1	19.0	6	No	4.5	8.5	5.1	21
Chromium, total	Natural deposits	100	100	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	0.9	ND	29
CO ₂ , calculated	Naturally occurring	n/a	n/a	mg/L	No	0.4	12.3	6.4	9	No	1.3	6.8	4.4	6	No	1.5	13.5	5.4	20
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	ND	ND	29
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	ND	ND	9	No	ND	7	ND	6	Yes	ND	17	10	20
Copper	Household plumbing	AL=1.3	1.3		No	ND	0.03	ND	9	No	ND	ND	ND	6	No	ND	0.08	ND	29
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	24	No	ND	ND	ND	6	No	ND	ND	ND	21
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	110.0	125.0	115.9	9	No	42.6	101.0	58.9	6	No	ND	4.0	ND	71
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.15	ND	9	No	0.16	0.40	0.30	6	No	ND	0.22	ND	21
Iron	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	9	No	ND	234	74	6	Yes	146	797	347	71
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	10.2	3.7	9	No	ND	2.3	ND	6	No	4.8	10.4	6.6	29
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	10.10	12.50	11.11	9	No	3.28	7.22	4.17	6	No	ND	0.43	ND	71
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	9	No	ND	69	17	6	No	ND	ND	ND	71
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	ND	ND	29
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	0.6	ND	9	No	ND	3.2	0.7	6	No	ND	0.8	ND	29
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	1.03	5.44	1.95	24	No	0.75	1.00	0.87	6	No	ND	0.02	ND	21
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	0.215	0.014	24	No	ND	ND	ND	6	No	ND	ND	ND	21
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	1.68	1.16	13	No	ND	0.14	ND	6	No	ND	ND	ND	20
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	8.6	7.4	21	No	7.0	7.8	7.3	6	No	6.3	7.8	7.2	20
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	8.5	7.3	82	No	6.9	8.2	7.5	57	No	6.0	8.0	7.4	72
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	2.63	0.47	71
Potassium	Naturally occurring	n/a	n/a	mg/L	No	1.36	1.87	1.57	9	No	0.69	0.95	0.78	6	No	1.66	4.41	2.83	71
Silicon	Naturally occurring	n/a	n/a	mg/L	No	7.8	9.3	8.5	9	No	6.8	9.6	7.4	6	No	4.4	5.4	4.9	29
Sodium	Naturally occurring	n/a	n/a	mg/L	No	27.3	59.3	43.7	9	No	9.7	13.3	11.4	6	No	9.6	24.1	18.6	71
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	371	520	443	9	No	150	248	182	6	No	68	126	98	20
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.119	0.136	0.127	9	No	0.043	0.111	0.058	6	No	ND	ND	ND	29
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	30.7	3.9	24	No	10.7	55.3	19.8	6	No	4.1	5.2	4.6	21
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	7	No	ND	ND	ND	4	No	ND	ND	ND	12
Tin	Solder used in plumbing	n/a	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	ND	ND	29
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	51.5	11.7	71
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	0.6	8
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	ND	ND	9	No	ND	0.55	ND	6	No	ND	4.4	2.1	20
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	9	No	ND	2.9	ND	6	No	ND	ND	ND	29
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	0.07	ND	28

Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 28)

Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	15	No	ND	ND	ND	6	No	ND	ND	ND	20
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	15	No	ND	ND	ND	6	No	ND	ND	ND	20
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	6	No	ND	ND	ND	20
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	6	No	ND	ND	ND	20
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	6	No	ND	ND	ND	20
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	6	No	ND	ND	ND	20
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	6	No	ND	ND	ND	20
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	6	No	ND	ND	ND	20
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	15	No	ND	0.66	ND	6	No	ND	ND	ND	20
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	15	No	ND	ND	ND	6	No	ND	ND	ND	20
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	9.97	1.95	36	No	ND	ND	ND	6	No	ND	ND	ND	20

Volatile Organic Compounds

Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
1,4-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	0.97	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	10	No	ND	ND	ND	28

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants					Distribution Area 54					Distribution Area 57					Distribution Area 64				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	21.2	40.2	32.5	30	No	28.6	67.0	46.0	6	No	41.4	140.0	76.5	10
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	0.03	0.94	0.31	38	No	ND	0.05	0.02	6	No	ND	0.20	0.03	13
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	34	No	ND	ND	ND	6	No	ND	ND	ND	13
Antimony	Discharge from petroleum refineries	6	6	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	6	No	ND	ND	ND	13
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	6	No	ND	ND	ND	13
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	38	No	ND	0.04	ND	6	No	ND	ND	ND	13
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	0.13	ND	71	No	ND	ND	ND	6	No	ND	ND	ND	34
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	60	No	ND	69.9	ND	6	No	ND	268.0	93.5	12
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	6	No	ND	ND	ND	13
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	ND	0.9	ND	71	No	7.5	26.6	14.5	6	No	6.2	9.4	7.8	34
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	4.4	14.2	5.2	30	No	26.7	36.5	31.4	6	No	16.4	90.6	40.2	10
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.8	ND	38	No	ND	0.6	ND	6	No	ND	2.6	0.9	13
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.7	9.4	3.5	30	No	1.5	13.0	6.9	6	No	3.8	13.8	6.8	10
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	6	No	ND	ND	ND	13
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	Yes	ND	15	8	30	No	ND	10	ND	6	No	ND	7	ND	10
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	38	No	ND	0.05	0.02	6	No	ND	0.05	0.02	13
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	0.2	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	10
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	ND	2.4	ND	71	No	36.3	85.3	55.2	6	No	29.1	57.0	40.1	34
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.25	ND	30	No	0.21	0.39	0.32	6	No	0.30	2.03	0.69	10
Iron	Naturally occurring	300	n/a	ug/L	Yes	82	560	228	71	No	ND	82	ND	6	Yes	ND	301	77	34
Lithium	Naturally occurring	n/a	n/a	ug/L	No	2.2	6.6	4.1	38	No	ND	2.2	1.4	6	No	ND	ND	ND	13
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	71	No	4.13	5.17	4.59	6	No	2.86	8.58	5.02	34
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	71	No	ND	34	ND	6	No	ND	ND	ND	34
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	6	No	ND	ND	ND	13
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	38	No	ND	ND	ND	6	No	ND	0.6	ND	13
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	0.01	ND	30	No	0.63	2.76	1.18	6	No	0.37	3.61	1.65	10
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	10
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	ND	ND	30	No	0.13	0.26	0.16	6	No	ND	0.31	0.18	9
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.7	8.0	7.4	34	No	6.8	8.0	7.1	8	No	7.2	7.7	7.3	15
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.9	8.5	7.4	138	No	6.9	8.3	7.5	65	No	7.0	7.8	7.3	28
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.60	0.30	71	No	ND	ND	ND	6	No	ND	2.12	0.82	34
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.88	3.57	1.67	71	No	0.92	1.81	1.15	6	No	0.74	1.73	1.17	34
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.0	6.0	4.9	38	No	7.1	9.8	9.2	6	No	7.9	10.3	8.9	13
Sodium	Naturally occurring	n/a	n/a	mg/L	No	10.6	27.3	18.1	71	No	16.8	21.9	19.3	6	No	20.7	72.6	45.9	34
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	68	111	87	30	No	168	300	221	6	No	179	424	309	10
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	38	No	0.045	0.085	0.062	6	No	0.037	0.087	0.057	13
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.5	6.0	4.3	30	No	8.4	15.3	9.8	6	No	9.3	13.0	11.4	10
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	20	No	ND	ND	ND	4	No	ND	ND	ND	8
Tin	Solder used in plumbing	n/a	n/a	ug/L	No	ND	0.6	ND	38	No	ND	ND	ND	6	No	ND	2.1	ND	13
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	30.6	10.3	71	No	ND	ND	ND	6	No	ND	10.0	ND	34
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	0.6	0.9	0.7	10	No	ND	0.7	ND	2	No	0.5	0.6	0.6	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	3.9	1.3	30	No	ND	1.1	0.43	6	No	ND	2.8	0.95	10
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.1	ND	38	No	ND	ND	ND	6	No	ND	ND	ND	13
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.02	ND	38	No	ND	ND	ND	6	No	ND	ND	ND	13

Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 28)

Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	10
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	10
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	30	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	30	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	30	No	ND	ND	ND	6	No	ND	ND	ND	10
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	29	No	ND	ND	ND	6	No	ND	ND	ND	10
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	10
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	29	No	ND	ND	ND	6	No	ND	ND	ND	10
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	29	No	ND	ND	ND	6	No	ND	ND	ND	10
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	29	No	ND	ND	ND	6	No	ND	ND	ND	10
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	10
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	10
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	30	No	ND	ND	ND	6	No	ND	ND	ND	10

Volatile Organic Compounds

Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
1,4-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	34	No	ND	ND	ND	18	No	ND	ND	ND	19

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
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	33.4	25.5	6	No	28.6	32.0	30.3	2	No	23.8	47.6	34.6	4
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.07	0.02	6	No	ND	ND	ND	2	No	ND	0.08	0.03	4
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Antimony	Discharge from petroleum refineries	6	6	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	10	No	ND	ND	ND	12
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	ND	13.6	7.2	6	No	9.9	10.0	10.0	2	No	6.8	21.0	12.9	4
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	5.2	9.9	7.3	6	No	13.0	14.2	13.6	2	No	5.3	33.5	14.8	4
Chromium, total	Natural deposits	100	100	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	2.0	1.1	4
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.0	4.8	2.9	6	No	1.8	1.8	1.8	2	No	2.6	4.6	3.4	4
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	0.8	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	7	ND	6	No	5	5	5	2	No	ND	ND	ND	4
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	2.1	37.5	20.1	6	No	34.4	35.0	34.7	2	No	20.3	68.9	40.8	4
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.20	0.11	6	No	0.45	0.57	0.51	2	No	0.26	1.91	0.98	4
Iron	Naturally occurring	300	n/a	ug/L	No	ND	66	35	6	No	245	281	263	2	No	ND	112	58	4
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.3	ND	6	No	ND	1.1	ND	2	No	ND	ND	ND	4
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.26	0.85	0.52	6	No	2.28	2.50	2.39	2	No	0.83	3.98	2.10	4
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	1.1	2.6	1.6	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.04	0.17	0.10	6	No	0.06	0.09	0.07	2	No	0.06	3.22	1.86	4
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.29	0.14	6	No	ND	ND	ND	2	No	ND	0.83	0.35	4
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.0	9.2	7.4	10	No	7.5	7.6	7.5	2	No	7.1	7.4	7.3	4
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	9.0	7.2	154	No	7.0	7.8	7.4	48	No	6.4	7.7	7.2	97
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.38	0.49	0.42	6	No	0.55	0.60	0.58	2	No	0.37	0.84	0.59	4
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.0	3.6	3.2	6	No	6.4	6.6	6.5	2	No	5.0	7.0	5.9	4
Sodium	Naturally occurring	n/a	n/a	mg/L	No	5.3	11.4	8.0	6	No	8.4	9.5	8.9	2	No	4.5	17.0	9.0	4
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	51	97	79	6	No	113	120	116	2	No	67	241	135	4
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.029	0.016	6	No	0.033	0.033	0.033	2	No	ND	0.054	0.027	4
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	5.3	2.9	6	No	6.7	6.7	6.7	2	No	ND	8.3	3.6	4
Surfactants, anionic	Washwater from septic systems	0.50	n/a	mg/L	No	ND	ND	ND	2	No	NA	NA	NA	0	No	NA	NA	NA	0
Tin	Solder used in plumbing	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
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	4
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	ND	ND	6	No	ND	1.0	0.60	2	No	ND	1.4	0.49	4
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 28)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.20	0.10	7	No	ND	ND	ND	2	No	ND	0.16	0.12	4
Hexazinone	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	5
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	5
Metolachlor	Used as a soil herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	5
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	2	No	ND	ND	ND	4
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
1,4-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	0.41	ND	12
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.44	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
Methylene Chloride	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND													

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 2021, 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 2021, 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.

2021 Microbiological Test Results for Wells and Heterotrophic Plate Count (HPC)

Well Location	Collection Point at Pump Station	Test Results
Distribution Area 6*	Raw (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 26*	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 1*	Treated (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 9*	Treated (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 12*	Treated (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 30*	Treated (after 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 2021, 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 2021 Drinking Water Quality Report Supplement. Please see page 35 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 2021, 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 2021, we collected an average of 932 total coliform samples each month, including samples from East Farmingdale, Stony Brook, Riverside,

and Dering Harbor 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 2021 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.

2021 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
10	No	2.1%	0%	0.2%	533
20	No	1.0%	0%	0.2%	682

Distribution Areas 1, 15, and 23 had no detections of total coliform in 2021.

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
ND	No	ND	ND	ND	ND

Distribution Areas 4, 5, 6, 7, 8, 9, 11, 14, 26, 30, 32, 34, 35, 44, 53, 54, 57, 64, Stony Brook, Riverside, and East Farmingdale Water Districts had no detections of total coliform in 2021.

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 2021 disinfectant and disinfection byproducts results for each distribution area are noted on pages 11-23.

2021 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	1.70	5.60	4.12	4	ND	0.60	ND	4
	2	4.25	17.27	9.20	4	ND	2.40	1.50	4
	3	ND	1.50	0.82	4	ND	ND	ND	4
	4	20.92	33.16	25.69	4	2.64	4.21	3.24	4
	5	12.23	24.02	17.00	4	1.73	5.64	3.40	4
	6	5.68	15.54	8.91	4	ND	0.96	0.63	4
	7	1.56	4.38	2.99	4	ND	0.74	ND	4
	8	0.36	6.58	2.69	4	0.45	5.09	1.81	4
FHWD	1	2.72	7.55	5.36	4	3.21	9.39	5.97	4
	2	1.79	17.67	7.97	4	0.66	23.96	9.59	4
EFWD	1	0.35	0.41	0.38	4	ND	ND	ND	4
	2	1.73	4.51	2.90	4	ND	ND	ND	4
SBWD	1	ND	2.33	1.21	4	ND	0.48	ND	4
	2	0.43	1.07	0.62	4	ND	ND	ND	4
RSWD	1	0.84	1.48	1.20	4	ND	ND	ND	4
	2	2.31	3.93	2.79	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 radio-nuclides. 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 27.

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 2021 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 1,12 and 20. The gross alpha and gross beta results for these areas are listed in the chart on page 27. There were no detections of tritium or gamma radiation in the 98 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 27.

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 2021 we monitored for radon at 80 locations throughout our distribution system. The results for each distribution area are noted in the chart below. The test results ranged from ND to 253 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.

The EPA is proposing to require water suppliers to provide water with levels no higher than 4,000 pCi/L of radon.

Detected Compound Likely Source	GROSS ALPHA Erosion of Natural Deposits				GROSS BETA Natural deposits, man-made emissions				RADON-222 Naturally occurring radioactive gas				RADIUM-226 Erosion of Natural Deposits				RADIUM-228 Erosion of Natural Deposits			
MCL	15				50				N/A				5				5			
MCLG	0				0				0				0				0			
Unit of Measure	pCi/L				pCi/L				pCi/L				pCi/L				pCi/L			
	Range of Readings				Range of Readings				Range of Readings				Range of Readings				Range of Readings			
Distribution Area	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests
1	ND	ND	ND	23	ND	4.89	ND	23	ND	117	ND	10	ND	ND	ND	4	ND	ND	ND	4
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	2	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1
6	ND	ND	ND	6	ND	ND	ND	6	ND	ND	ND	2	ND	ND	ND	4	ND	ND	ND	4
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	1.53	ND	2	ND	2.95	ND	2	ND	ND	ND	2	NA	NA	NA	0	NA	NA	NA	0
10	ND	ND	ND	6	ND	2.63	ND	6	ND	ND	ND	2	ND	ND	ND	4	ND	2.95	1.11	4
11	ND	2.01	ND	11	ND	3.22	ND	11	ND	125	ND	2	ND	ND	ND	9	ND	2.74	1.56	9
12	ND	1.86	ND	49	ND	21.90	ND	49	ND	123	ND	13	ND	ND	ND	15	ND	1.12	ND	15
14	ND	ND	ND	3	ND	ND	ND	3	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1
15	ND	ND	ND	20	ND	2.63	ND	20	ND	122	ND	6	ND	ND	ND	14	ND	1.00	ND	14
20	ND	ND	ND	37	ND	3.79	ND	37	ND	ND	ND	6	ND	ND	ND	12	ND	ND	ND	12
23	ND	ND	ND	10	ND	2.07	ND	10	ND	109	ND	5	ND	1.75	ND	5	ND	ND	ND	5
26	ND	ND	ND	4	ND	ND	ND	4	ND	253	118	3	ND	ND	ND	1	ND	ND	ND	1
30	ND	ND	ND	10	ND	5.62	2.20	10	ND	114	ND	3	ND	ND	ND	7	ND	ND	ND	7
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	117	117	117	1	NA	NA	NA	0	NA	NA	NA	0
35	ND	ND	ND	1	ND	ND	ND	1	129	129	129	1	NA	NA	NA	0	NA	NA	NA	0
44	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1
53	ND	ND	ND	5	ND	ND	ND	5	ND	ND	ND	4	ND	ND	ND	1	ND	ND	ND	1
54	ND	ND	ND	6	ND	ND	ND	6	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	1
57	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1
64	ND	ND	ND	1	ND	ND	ND	1	118	118	118	1	NA	NA	NA	0	NA	NA	NA	0
EFWD	ND	ND	ND	2	ND	ND	ND	2	103	137	120	2	NA	NA	NA	0	NA	NA	NA	0
RSWD	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
SBWD	ND	ND	ND	2	ND	3.40	2.20	2	ND	156	103	2	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 2021 we monitored 17 sampling station locations and 5 production wells where asbestos-cement pipes exist. All locations were non-detect (no asbestos fibers were present).

MAXIMUM CONTAMINANT LEVEL DEFERRALS

PFOS, PFOA and 1,4-Dioxane

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

What is being done to remove these contaminants?

SCWA is installing granular activated carbon treatment systems at impacted wells to remove PFOA and PFOS and advanced oxidation process systems to remove 1,4-dioxane. In the interim, SCWA will make every effort to operationally minimize the concentration of 1,4-dioxane, PFOA and PFOS in the distribution system at any given time. Additional information will be shared 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. The deferral is effective until August 25, 2022.

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



WATER QUALITY DATA BY DISTRIBUTION AREA



2021 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 2021 test results for Distribution Area 12 is shown in the chart below.

Detected Compounds	Unit of Measure	Low Value	High Value	Average Value	No. of Tests
N-Nitrosomorpholine	ppt	ND	2.80	ND	8

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

2021 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. There were no positive detects in 2021.