2022 Drinking Water Quality Report

SUFFOLK COUNTY
SCWA
WATER AUTHORITY

2022 DRINKING WATER QUALITY REPORT

For the period January 1, 2021 to December 31, 2021
(Including data for Fair Harbor, Riverside, Brentwood, Stony Brook, Dering Harbor, and East Farmingdale Water Districts)

Este informe contiene informacion muy importante sobre su agua de beber.
Traduzcalo o hable con alguien que lo entienda bien.

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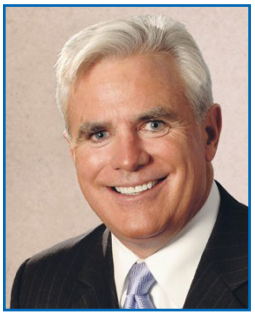
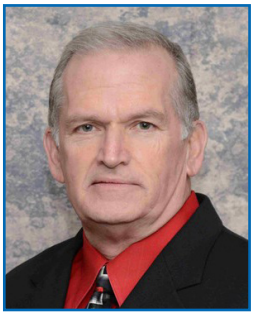
TO OUR CUSTOMERS



Patrick G. Halpin
Chairman, SCWA



Kevin P. Durk
Director,
Water Quality and
Laboratory Services,
SCWA

Dear Suffolk County Water Authority Customer:

The Suffolk County Water Authority prides itself in maintaining standards for drinking water quality that are more protective than regulations require. And once again, we're pleased to tell you that our drinking water in 2021 **met or surpassed** all state and federal drinking water standards.

In the following pages, you will find detailed information on the results of the voluminous testing conducted during calendar year 2021 by our laboratory, one of the most sophisticated water quality testing laboratories in the entire country. We test water at the wellhead, at various stages of treatment and within our distribution system for hundreds of chemical constituents. **In 2021, we tested for 414 chemical constituents, which is 265 more than required by regulators**. We also analyzed 91,251 samples that produced 190,950 test results. Again, this is above and beyond what is required of us.

In addition to test results, this report includes important information about the source of your drinking water supply and related topics. We've sought to make this report easy to read and information about the water we serve you easy to find, but if you have any questions about your water quality, please do not hesitate to contact one of our drinking water quality professionals at 631-218-1138.

Most importantly, to reiterate, the water we deliver you meets or surpasses all drinking water quality standards.

Patrick G. Halpin
Chairman, SCWA

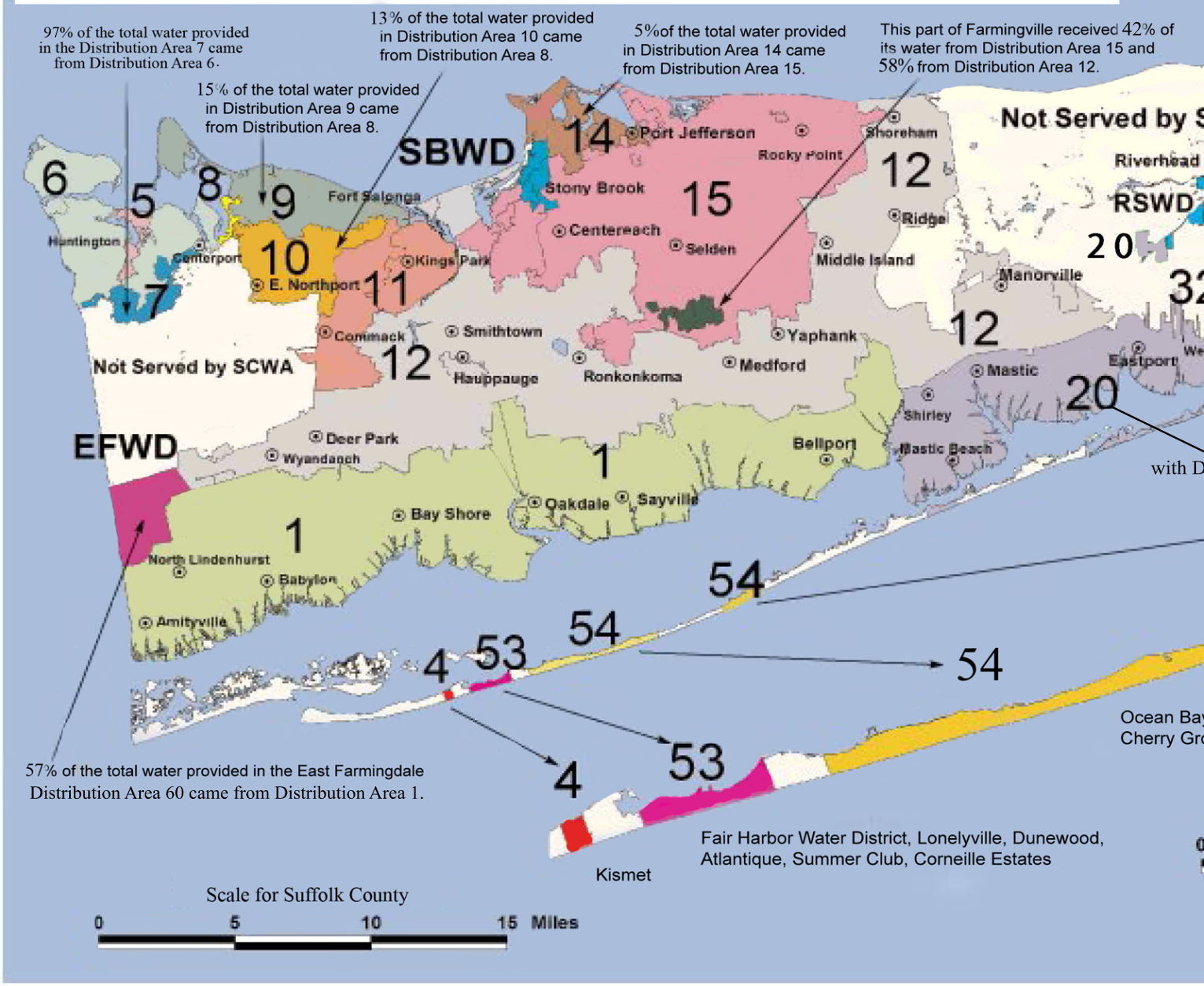
Kevin P. Durk
Director, Water Quality and Laboratory Services, SCWA

SCWA WATER DISTRIBUTION AREAS

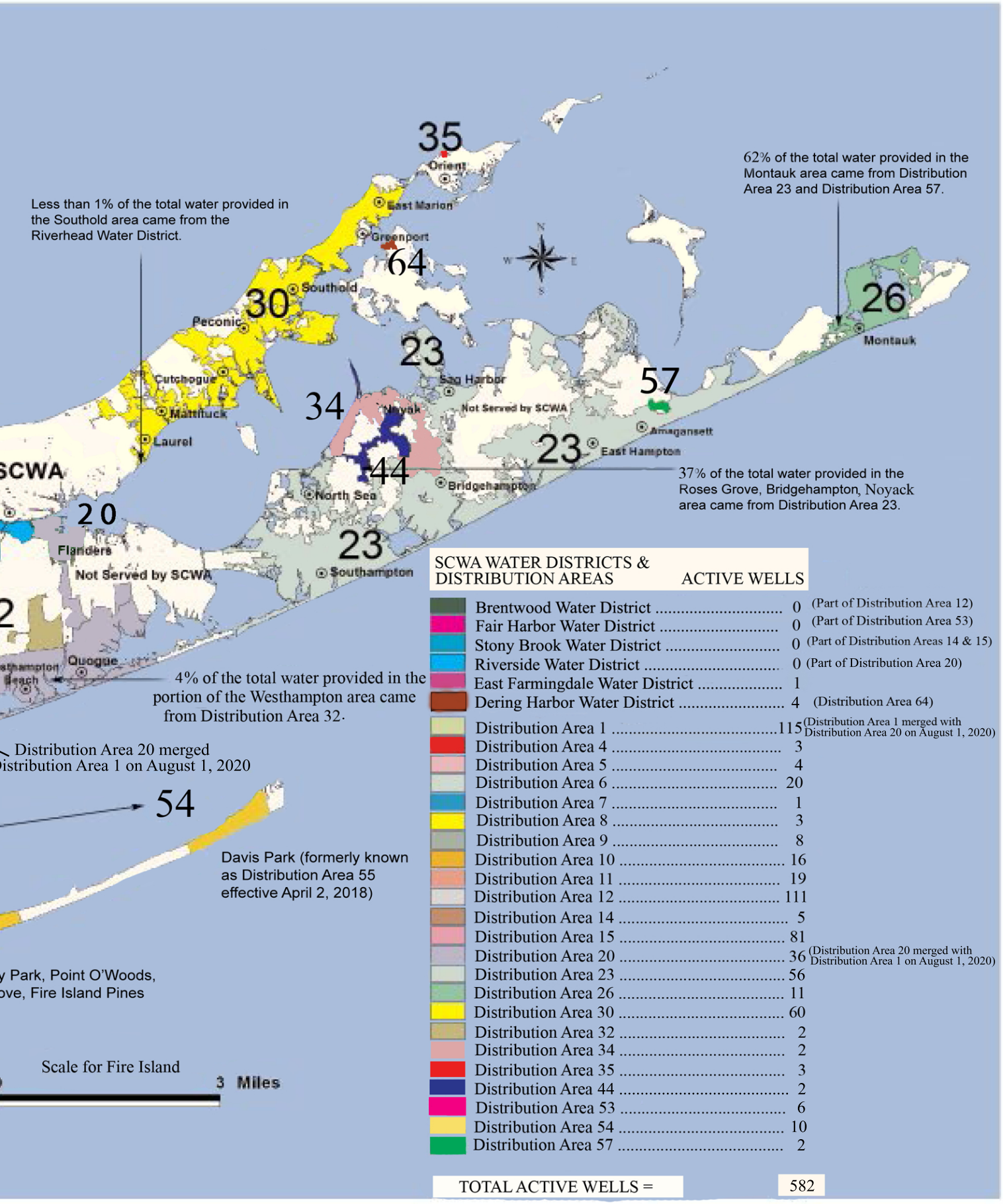
Suffolk County is not flat. In fact, the ground surface elevation across the county varies from sea level to over 300 feet above sea level. Elevation is the key factor in determining water pressure, the lower the ground elevation, the higher the pressure. A single water system could not provide reasonable water pressure to every home. Some homes would have too much pressure and some would have no pressure at all. Therefore, the Water Authority has divided the system into 45 pressure zones. Distribution areas may encompass more than one pressure zone. There are 26 distribution areas.

Each pressure zone is made up of pump stations, storage tanks, and/or booster stations which are designed to provide adequate water pressure to the elevations they serve. These facilities are connected by underground water pipes of various sizes. This piping network is called a distribution system. A pump station consists of at least one well and associated treatment facilities. The well provides access to the underground aquifer. We use a submersible pump powered by an electric motor to bring the water out of the ground, through the treatment facility and into the distribution system. The water can then be delivered to homes, fire hydrants, schools and wherever else it is needed. Any excess water goes into the storage tank where it is stored for later use. The water storage tank provides a stable operating pressure and can supply a lot of water in a short time in the event of an emergency. The wells are turned on and off as required to satisfy the water demand in the distribution system.

If you look at the distribution area map shown below, you will see the size of the areas range from very small, serving a few homes, to very large, serving tens of thousands of homes. The distribution areas are interconnected with booster pumps and/or automatic control valves. In the event of very high demands for water during peak summer usage or an emergency, such as a fire or main break, the booster pump or automatic valve will operate and supply additional water to the impacted area. This operation helps ensure that adequate water is available at all times. It also means that if your home is near the boundary of a distribution area, it may receive water from the adjacent distribution area on occasion. In a few areas, booster pumps routinely pump water from one zone to another. Please see the notes on the map for more information.



SCWA WATER DISTRIBUTION AREAS



SCWA WATER DISTRICTS & DISTRIBUTION AREAS	ACTIVE WELLS	
Brentwood Water District	0	(Part of Distribution Area 12)
Fair Harbor Water District	0	(Part of Distribution Area 53)
Stony Brook Water District	0	(Part of Distribution Areas 14 & 15)
Riverside Water District	0	(Part of Distribution Area 20)
East Farmingdale Water District	1	
Dering Harbor Water District	4	(Distribution Area 64)
Distribution Area 1	115	(Distribution Area 1 merged with Distribution Area 20 on August 1, 2020)
Distribution Area 4	3	
Distribution Area 5	4	
Distribution Area 6	20	
Distribution Area 7	1	
Distribution Area 8	3	
Distribution Area 9	8	
Distribution Area 10	16	
Distribution Area 11	19	
Distribution Area 12	111	
Distribution Area 14	5	
Distribution Area 15	81	
Distribution Area 20	36	(Distribution Area 20 merged with Distribution Area 1 on August 1, 2020)
Distribution Area 23	56	
Distribution Area 26	11	
Distribution Area 30	60	
Distribution Area 32	2	
Distribution Area 34	2	
Distribution Area 35	3	
Distribution Area 44	2	
Distribution Area 53	6	
Distribution Area 54	10	
Distribution Area 57	2	
TOTAL ACTIVE WELLS =	582	

HOW TO READ YOUR WATER QUALITY DATA

WATER QUALITY BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 4 (E)			
					Range Of Readings			
(A) Detected Compound	(B) Likely Source	MCL (C)	MCLG	Unit of Measure (D)	Low Value	High Value	Avg. Value	No. Of Tests (F)
(G) Inorganics								
Alkalinity to pH 4.5mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	30.4	54.2	40.1	8
Aluminum	Naturally occurring	n/a	n/a	mg/L	0.02	0.09	0.06	14
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	ND	ND	ND	8
Arsenic	Erosion of natural deposits	10	0	ug/L	ND	ND	ND	14
Barium	Erosion of natural deposits	2	2	mg/L	ND	ND	ND	14
Boron	Naturally occurring	n/a	n/a	mg/L	ND	0.11	ND	43
Bromide	Naturally occurring	n/a	n/a	mg/L	ND	ND	ND	14
Cadmium	Natural deposits, galvanized pipe	5	5	ug/L	ND	ND	ND	14
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	ND	1.0	0.5	43
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	0.6	19.2	8.9	8
Chloride	Naturally occurring, salt water intrusion	250	n/a	mg/L	2.3	3.2	3.0	14
Chromium, total	Natural deposits	100	100	ug/L	ND	0.61	ND	14
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	ND	ND	ND	14
Color	Naturally occurring metals or minerals	15	n/a	Color Units	ND	7	ND	8
Copper	Household plumbing	AL=1.3	1.3	mg/L	ND	0.03	ND	14
Dissolved Solids, total	Naturally occurring minerals and metals	n/a	n/a	mg/L	59	88	69	11
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	ND	ND	ND	14
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	ND	2.8	ND	43
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	ND	0.67	0.13	12
Iron	Naturally occurring	300	n/a	ug/L	186	495	259	43
Lead	Household plumbing, lead solder	AL=15	0	ug/L	ND	ND	ND	14
Lithium	Naturally occurring	n/a	n/a	ug/L	3.5	4.2	3.8	14
Magnesium	Naturally occurring	n/a	n/a	mg/L	ND	ND	ND	43
Manganese	Naturally occurring	300	n/a	ug/L	ND	ND	ND	43
Molybdenum	Naturally occurring	n/a	n/a	ug/L	ND	ND	ND	14
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	ND	ND	ND	14
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	ND	ND	ND	14
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	ND	ND	ND	8
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	ND	0.36	0.29	43
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	6.5	8.2	7.1	8
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	7.0	8.5	7.4	8
Potassium	Naturally occurring	n/a	n/a	mg/L	1.04	1.44	1.23	43
Silicon	Naturally occurring	n/a	n/a	mg/L	4.0	4.4	4.2	14
Sodium	Naturally occurring	n/a	n/a	mg/L	11.4	39.3	19.8	43

A **DETECTED COMPOUNDS** - compounds found during testing include naturally occurring compounds and contaminants. (On page 40 you will find the list of compounds that were not found in our drinking water).

B **LIKELY SOURCE** - where the detected compound might come from.

C **MAXIMUM CONTAMINANT LEVEL (MCL)** - the highest amount of a compound allowed in drinking water.

MAXIMUM CONTAMINANT LEVEL GOAL (MCLG) - there is no known or expected health risk for a compound in drinking water below this level.

HOW TO READ YOUR WATER QUALITY DATA

D

UNITS OF MEASURE - metric units used to describe the amount of the compound present (see chart below for definitions).

E

DISTRIBUTION AREA

SCWA's service area, all the areas we supply water to, is divided into 26 distinct geographical areas called Distribution Areas. Each area is numbered. The map on pages 2 and 3 shows the boundaries of each area. Some towns have more than one Distribution Area so please read carefully. There is also an interactive map to help you define your Distribution Area. Once you know the Distribution Area number for your home, school, business or other area of interest, you can then find the water quality results in the tables located on pages 14 through 22.

F

RANGE OF READINGS FOR DETECTED COMPOUNDS

LOW VALUE - the lowest amount of the chemical found in all water samples collected during the year for the distribution area noted.

HIGH VALUE - the highest amount of the chemical found in all water samples collected during the year for the distribution area noted.

AVERAGE VALUE - the average amount of the chemical found in all the water samples collected during the year for the distribution area noted. This is the amount of the chemical that would typically be present in your drinking water on any given day during the year.

NO. OF TESTS - the total number of water samples collected for the chemical during the year in the distribution area noted.

Smaller distribution areas that have few wells will have fewer samples collected during the year than large distribution areas with many wells.

G

TYPES OF DETECTED COMPOUNDS

Broad categories based on chemical characteristics.

Water Quality Data Key Terms, Definitions & Units of Measure

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLG as possible.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Micrograms per liter (ug/L): corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

Milligrams per liter (mg/L): corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Nanograms per liter (ng/L): corresponds to one part of liquid to one trillion parts of liquid (parts per trillion - ppt).

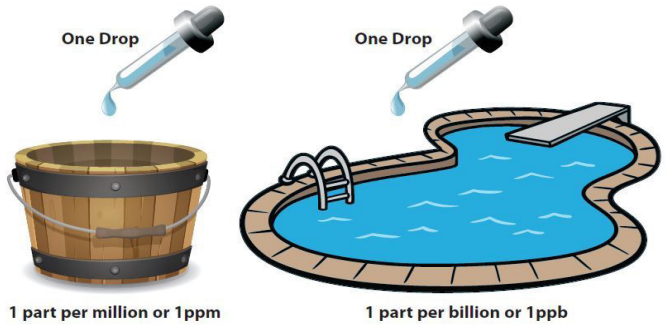
Picocuries per liter (pCi/L): Picocuries per liter is a measure of the radioactivity in water.

Nephelometric Turbidity Unit (NTU): A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Micromhos per centimeter (umho/cm): A measure of the total amount of naturally occurring minerals in the water.

NA: Not Applicable

Non-Detects (ND): – Laboratory analysis indicates that the constituent is not present.



Units of Measure: It can be hard to wrap our minds around what a concentration of a contaminant actually means. The most commonly used units of measure for drinking water analysis are parts per million (ppm / mg/L) and parts per billion (ppb / ug/L) respectively. To help visualize these concentrations, imagine that 1 ppm is the same as one drop of water in a bucket, while 1 ppb is the same as one drop of water in an Olympic size swimming pool! Parts per trillion (ppt) or ng/L is an even smaller concentration. Imagine one drop of water in roughly 20 Olympic size swimming pools, or 16 million miles which is 600+ times around the earth.

WATER QUALITY DATA BY DISTRIBUTION AREA

Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 1 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 4 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 5 Range of Readings: 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)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 6 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 7 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 8 Range of Readings: 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 Sulfanate (PFOS), see page 28)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 9 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 10 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 11 Range of Readings: 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 Sulfanate (PFOS), see page 28)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 12 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 14 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 15 Range of Readings: 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 Sulfanate (PFOS), see page 28)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 20 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 23 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 26 Range of Readings: 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 Sulfanate (PFOS), see page 28)

WATER QUALITY DATA BY DISTRIBUTION AREA

Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (Continued)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 30					Distribution Area 32					Distribution Area 34				
					Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings 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 Perfluoroctanoic Acid (PFOA) & Perfluorooctane Sulfanate (PFOS), see page 28)**

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 35					Distribution Area 44					Distribution Area 53				
					Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings 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 Perfluoroctanoic Acid (PFOA) & Perfluorooctane Sulfanate (PFOS), see page 28)**

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 54					Distribution Area 57					Distribution Area 64				
					Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings 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 Perfluoroctanoic Acid (PFOA) & Perfluorooctane Sulfanate (PFOS), see page 28)**

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
					Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Range of Readings 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 Perfluoroctanoic Acid (PFOA) & Perfluorooctane Sulfanate (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%5C00000773%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, Glycyrrhic Acid, Ibuprofen, Meprobamate, Phenobarbital, 5-(4-Hydroxyphenyl)-5-Phenylhydantoin, Imidacloprid, Primidone, Saccharin, Sodium Cyclamate, Sucralose and Sulfamethoxazole were detected. The concentrations found are at levels far below medical doses, and have no known health effects.

Wherever possible, we are using granular activated carbon filtration and blending wells to remove these trace levels from the water we provide to you. Information on these pharmaceutical drugs and the results for each distribution area can be found in the tables below and on pages 8-10.

					Distribution Area 1					Distribution Area 4					Distribution Area 5				
					Range of Readings					Range of Readings					Range of Readings				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
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				
					Range of Readings					Range of Readings					Range of Readings				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
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				
					Range of Readings					Range of Readings					Range of Readings				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
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)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 12 Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 14 Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 15 Violation Yes/No	Range of Readings 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

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 20 Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 23 Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 26 Violation Yes/No	Range of Readings 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

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 30 Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 32 Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 34 Violation Yes/No	Range of Readings 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

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 35 Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 44 Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 53 Violation Yes/No	Range of Readings 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)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 54 Range of Readings Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 57 Range of Readings Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 64 Range of Readings 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

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area EFWD Range of Readings Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area RSWD Range of Readings Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area SBWD Range of Readings 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

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 1 Violation Yes/No	Area 1 Range of Readings Low Value	Area 1 High Value	Area 1 Avg. Value	Area 1 No. of Tests	Distribution Area 4 Violation Yes/No	Area 4 Low Value	Area 4 High Value	Area 4 Avg. Value	Area 4 No. of Tests	Distribution Area 5 Violation Yes/No	Area 5 Low Value	Area 5 High Value	Area 5 Avg. Value	Area 5 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)																			

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 6 Violation Yes/No	Area 6 Range of Readings Low Value	Area 6 High Value	Area 6 Avg. Value	Area 6 No. of Tests	Distribution Area 7 Violation Yes/No	Area 7 Low Value	Area 7 High Value	Area 7 Avg. Value	Area 7 No. of Tests	Distribution Area 8 Violation Yes/No	Area 8 Low Value	Area 8 High Value	Area 8 Avg. Value	Area 8 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)																			

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 9 Violation Yes/No	Area 9 Range of Readings Low Value	Area 9 High Value	Area 9 Avg. Value	Area 9 No. of Tests	Distribution Area 10 Violation Yes/No	Area 10 Low Value	Area 10 High Value	Area 10 Avg. Value	Area 10 No. of Tests	Distribution Area 11 Violation Yes/No	Area 11 Low Value	Area 11 High Value	Area 11 Avg. Value	Area 11 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)																			

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 12 Violation Yes/No	Area 12 Range of Readings Low Value	Area 12 High Value	Area 12 Avg. Value	Area 12 No. of Tests	Distribution Area 14 Violation Yes/No	Area 14 Low Value	Area 14 High Value	Area 14 Avg. Value	Area 14 No. of Tests	Distribution Area 15 Violation Yes/No	Area 15 Low Value	Area 15 High Value	Area 15 Avg. Value	Area 15 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)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 20 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 23 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 26 Range of Readings: 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	1.75	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)																			

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 30 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 32 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 34 Range of Readings: 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	2.03	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)																			

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 35 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 44 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 53 Range of Readings: 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)																			

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 54 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 57 Range of Readings: Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Distribution Area 64 Range of Readings: 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)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
					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	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)

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				
					Range of Readings					Range of Readings					Range of Readings				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics					* 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	n/a	ug/L	No	ND	ND	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	3.28	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.43	ND	410	No	ND	ND	ND	8	No	ND	1.59	ND	62
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.92	ND	410	No	ND	ND	ND	8	No	ND	0.87	ND	62
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	0.27	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.18	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	0.40	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.34	ND	410	No	ND	ND	ND	8	No	ND	0.27	ND	62
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	1.60	ND	410	No	ND	ND	ND	8	No	ND	0.43	ND	62
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	1.60	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	410	No	ND	ND	ND	8	No	ND	ND	ND	62

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg 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	10	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
o-Xylene	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
p,m-Xylene	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
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	1.14	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
Toluene	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
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.35	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	1.28	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	215	No	ND	ND	ND	13	No	ND	ND	ND	10

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	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg 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	52
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 Occuring Compounds as well as Contaminants

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 12 Violation Yes/No	Distribution Area 12 Range of Readings Low Value	Distribution Area 12 Range of Readings High Value	Distribution Area 12 Avg. Value	Distribution Area 12 No. of Tests	Distribution Area 14 Violation Yes/No	Distribution Area 14 Range of Readings Low Value	Distribution Area 14 Range of Readings High Value	Distribution Area 14 Avg. Value	Distribution Area 14 No. of Tests	Distribution Area 15 Violation Yes/No	Distribution Area 15 Range of Readings Low Value	Distribution Area 15 Range of Readings High Value	Distribution Area 15 Avg. Value	Distribution Area 15 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	51	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	81	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 Occuring Compounds as well as Contaminants

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 20 Violation Yes/No	Distribution Area 20 Range of Readings Low Value	Distribution Area 20 Range of Readings High Value	Distribution Area 20 Avg. Value	Distribution Area 20 No. of Tests	Distribution Area 23 Violation Yes/No	Distribution Area 23 Range of Readings Low Value	Distribution Area 23 Range of Readings High Value	Distribution Area 23 Avg. Value	Distribution Area 23 No. of Tests	Distribution Area 26 Violation Yes/No	Distribution Area 26 Range of Readings Low Value	Distribution Area 26 Range of Readings High Value	Distribution Area 26 Avg. Value	Distribution Area 26 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	ND	ND	ND	90	No	ND	0.28	ND	221	No	ND	ND	ND	58
Methylethylketone	Used in the coatings industry	50	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	90	No	ND	0.46	ND	221	No	ND	0.26	ND	58
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.13	ND	90	No	ND	0.55	ND	221	No	ND	ND	ND	58
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	0.68	ND	221	No	ND	ND	ND	58
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	1.30	ND	58
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	0.56	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	90	No	ND	ND	ND	221	No	ND	ND	ND	58

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	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg 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	ND	8	No	ND	ND	ND	10
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.73	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
o-Xylene	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
p,m-Xylene	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
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
Toluene	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
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	199	No	ND	ND	ND	8	No	ND	ND	ND	10

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants					Distribution Area 35					Distribution Area 44					Distribution Area 53				
					Range of Readings					Range of Readings					Range of Readings				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/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
CO2, 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	mg/L	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 Occuring Compounds as well as Contaminants					Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg 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	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
p,m-Xylene	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
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
Toluene	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
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.31	ND	24	No	ND	ND	ND	10	No	ND	0.40	ND	12
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	5.03	1.74	24	No	ND	ND	ND	10	No	ND	ND	ND	12
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	10	No	ND	ND	ND	12

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

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

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	GROSS ALPHA				GROSS BETA				RADON-222				RADIUM-226				RADIUM-228			
Likely Source	Erosion of Natural Deposits				Natural deposits, man-made emissions				Naturally occurring radioactive gas				Erosion of Natural Deposits				Erosion of Natural Deposits			
MCL	15				50				N/A				5				5			
MCLG	0				0				0				0				0			
Unit of Measure	pCi/L				pCi/L				pCi/L				pCi/L				pCi/L			
	Range of Readings				Range of Readings				Range of Readings				Range of Readings				Range of Readings			
Distribution Area	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests
1	ND	ND	ND	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; errosion 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.**


Advanced Oxidation Process (AOP) for 1,4-Dioxane Removal


Pump Station Interior

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 classififed 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.

NITRATE & SPECIAL INFORMATION FOR IMMUNO-COMPROMISED INDIVIDUALS

Nitrate naturally occurs in a number of foods, particularly vegetables. It is also used as preservatives in meats such as bacon. Nitrate is also used to make lawn, garden and agricultural fertilizers and is found in sewage and wastes from farm animals. It generally gets into drinking water by runoff into surface water or by leaching into groundwater after application or after improper sewage or animal waste disposal. Infants are particularly sensitive to nitrate. High levels of nitrate in drinking water have caused serious illness and sometimes death in infants under 6 months of age. The serious illness occurs because nitrate is converted to nitrite in the body and nitrite reduces the ability of the infant's blood to carry oxygen. Symptoms of the illness can develop rapidly and include shortness of breath and blueness of the skin (blue baby condition). Exposure to nitrate in drinking water at levels above 10 milligrams per liter (10 mg/L) increases the risk of developing the illness. Because the effects of nitrate and nitrite are additive, water containing more than 10 mg/L of total nitrate/nitrite should not be used to prepare infant formula or other beverages for infants. To ensure the quality of our drinking water, we monitor more frequently than required. The 2021 nitrate results for each distribution area are noted on pages 14-22.

SPECIAL INFORMATION FOR IMMUNO-COMPROMISED INDIVIDUALS

Some people may be more vulnerable to disease causing microorganisms or pathogens in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia and other microbiological contaminants are available from the EPA's Safe Drinking Water Hotline at (800) 426-4791. Individuals who think they may have cryptosporidiosis or giardiasis should contact their health care providers immediately. New York State law requires water suppliers to notify their customers about the risks of cryptosporidiosis and giardiasis. Cryptosporidiosis and giardiasis are intestinal illnesses caused by microscopic parasites found in surface water and groundwater under the influence of surface water. There have been no known outbreaks of cryptosporidiosis or giardiasis linked to any public water supplies in Suffolk County. For more information on cryptosporidiosis and giardiasis, please contact the Suffolk County Department of Health Services at (631) 852-5810.

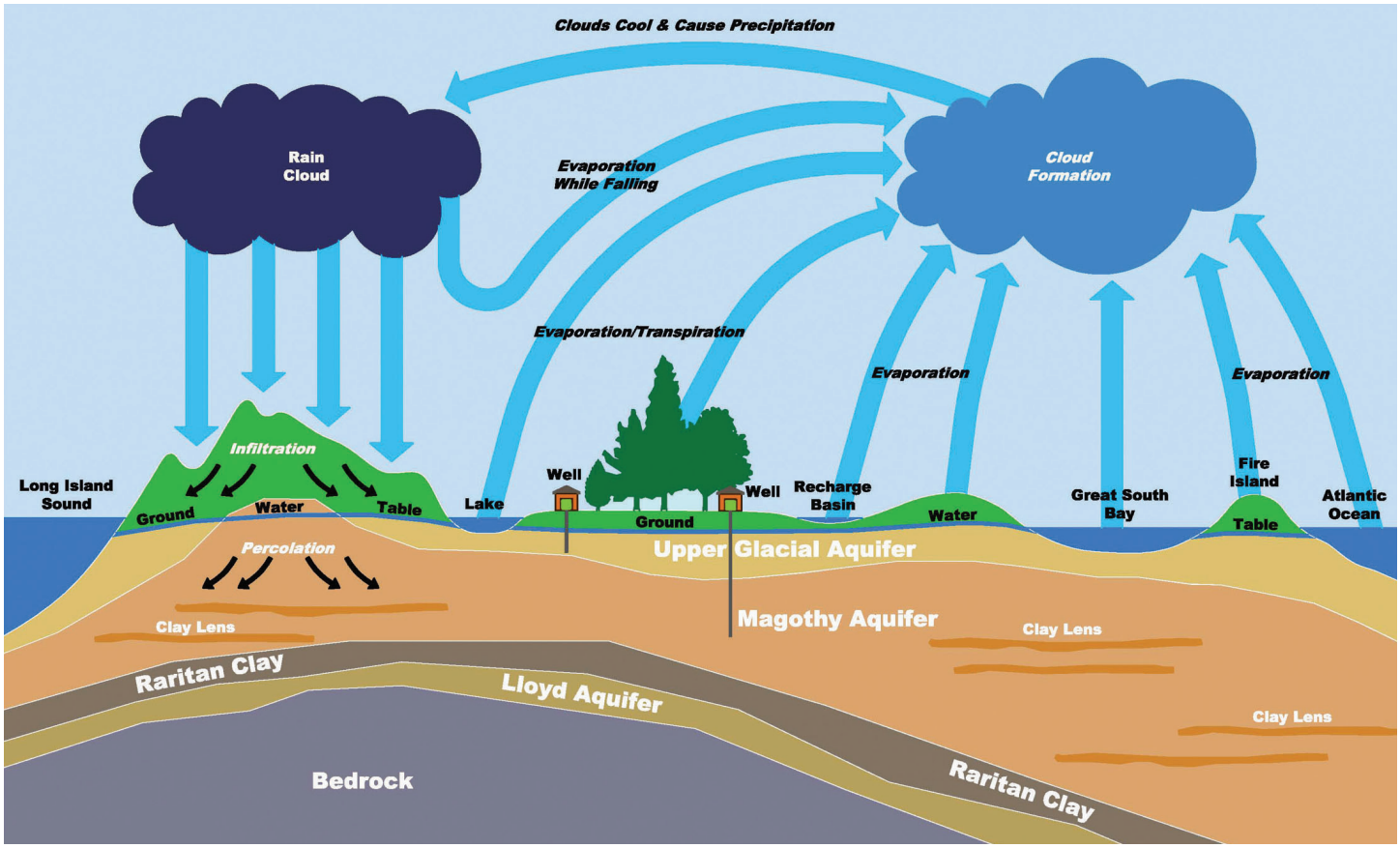
GO GREEN: SIGN UP FOR E-BILLING TODAY!

Even when you're paying bills, you can be helping the environment. The Suffolk County Water Authority now offers e-Billing, a quick, easy and environmentally-friendly way to pay your water bill.

With e-Billing, you can manage various aspects of your water account without leaving a paper trail. You can receive your bill electronically; set up automated payments from your checking or savings account; make a one-time payment; and view your current and past bills online.

For more information or to sign up, go to www.scwa.com.

THE WATER CYCLE ON LONG ISLAND



In general, the sources of drinking water (both tap water and bottled water) can include rivers, lakes, streams, ponds, reservoirs, springs, and aquifers. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activities. Contaminants that may be present in source water include: microbial contaminants, inorganic contaminants, pesticides and herbicides, organic chemical contaminants, and radioactive contaminants.

All of the water we supply to you comes from beneath the ground and is referred to as groundwater. The water is stored beneath the ground in a sandy, geological formation known as the Aquifer System. Water in the Aquifer System originates as precipitation (such as rain and snow), which slowly percolates down through the soil and into the aquifers.

The total depth of the Long Island Aquifer System is shallowest on the north shore (approximately 600 feet) and deepest along the south shore (approximately 2,000 feet).

There are four primary formations which are layered, and make up the Long Island Aquifer System. From the shallowest to the deepest, these formations are:

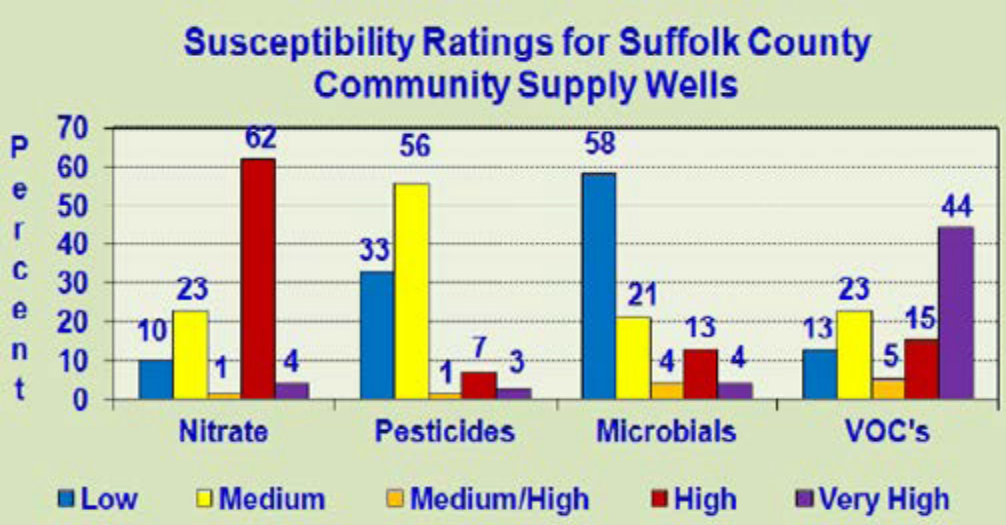
Upper Glacial Aquifer — contains the newest water to the groundwater system. The Water Authority has 279 wells drawing from this portion of the aquifer. Virtually all private wells draw from the Glacial Aquifer.

Magothy Aquifer — is the largest of the three formations and holds the most water, much of which is hundreds of years old. There are 347 SCWA wells drawing from this portion of the aquifer.

Raritan Clay — is a clay layer that separates the Magothy and Lloyd Aquifers. Some portions of the Raritan contain permeable, sandy formations that hold enough water to pump from. The SCWA has 3 wells in the Raritan.

Lloyd Aquifer — is a largely-untapped layer which contains the oldest water, some of which has been held in the Aquifer System for more than 5,000 years. The SCWA has 3 Lloyd wells.

SOURCE WATER ASSESSMENT SUMMARY REPORT



Summary chart of susceptibility ratings for Suffolk County community supply wells show the majority of wells having high susceptibility for nitrate, medium susceptibility for pesticides, low susceptibility for microbials and very high susceptibility for VOCs.

The federal Safe Drinking Water Act (SDWA) amendments of 1996 created a Source Water Assessment Program (SWAP) to evaluate existing and potential threats to the quality of public drinking water supplies throughout the U.S. To carry out this program in New York, the Bureau of Water Supply Protection of the New York State Department of Health (NYSDOH) developed the New York State SWAP plan, with input from a variety of interested parties. Source water assessments were performed for all public water supplies in Nassau and Suffolk Counties, in accordance with the final New York State SWAP plan prepared by the NYSDOH and approved by the U.S. Environmental Protection Agency (EPA) in November 1999. The chart above and summary below apply to **all** Suffolk County community supply wells.

It is important to remember that the source water assessments only indicate the **potential** for contamination of a supply well, based upon the likelihood of the presence of contaminants above ground in the source water recharge area and upon the **possibility** that any contaminants present can migrate down through the aquifer to the depth at which water enters the well screen. In most cases, the susceptibility, or potential, for contamination **has not** resulted in actual source water contamination. If contamination of a well source is identified, the Suffolk County Water Authority can either provide treatment or withdraw the well from service, so that all applicable drinking water standards are met.

Nitrate

Almost 70 percent of Suffolk County community supply wells were rated as high, or very high, for susceptibility to nitrate, with the lower population density accounting for reduced contaminant prevalence ratings in the central and eastern parts of the county.

Pesticides

The susceptibility of approximately 10 percent of community supply wells were rated medium-high, high, or very high for pesticides, largely where significant tracts of agricultural land exist in eastern Suffolk County.

Microbials

Almost 60 percent of community supply wells in Suffolk County have a low susceptibility to contamination by microbials. Over 20 percent of the community supply wells were rated medium-high, high, or very high for microbials. This is a result of the presence of microbial sources in unsewered areas and the relatively short travel times from the water table to shallow well screens, particularly in the central and eastern parts of the county.

Volatile Organic Chemicals (VOCs)

Almost 65 percent of the community supply wells in Suffolk County have susceptibility ratings of medium high, high or very high for VOCs, while over 35 percent of the wells are rated medium or low. If you would like detailed information regarding the source water assessment results for the source water that is supplied to your distribution area, please contact our laboratory at (631) 218-1112.

SOURCE WATER PROTECTION

To ensure that Suffolk residents will continue to have a pure and safe source of drinking water, our groundwater, the SCWA is at the forefront of aquifer protection measures. Maintaining, safeguarding, and improving the quality of our groundwater are critical for our public health, our economy and our environment. Source water protection also helps avoid costs associated with treating, monitoring and remediating contamination. Pollution prevention is always preferable to remediation.

Open Space Preservation

SCWA took a very active leadership role in working towards the enactment of the legislation that protected the Central Pine Barrens. This legislation has resulted in the preservation of more than 100,000 acres of land in central Suffolk, which overlies one portion of Long Island's federally designated sole source aquifer. We continue to provide resources to protect this unique resource.

Hydrological Research

We have partnered with the Long Island Groundwater Research Institute (LIGRI) at SUNY Stony Brook to study groundwater hydrology and chemistry, and the impacts that certain practices have on our groundwater quality and quantity. The focus of this scientific research is Long Island's aquifer system, and the goal is to utilize the results in practical applications to resolve groundwater related problems.

We also support local research and data collection by the United States Geological Survey (USGS) to assess the water quality and quantity of Suffolk's groundwater reservoir. The USGS performs on-going environmental and hydrologic surveillance and investigations including a long-term groundwater monitoring program, data collection on emerging contaminants and nitrate trends, geophysical surveys, and aquifer characterization. The USGS also maintains a database of this information, allowing for trend analyses.

Public Education and Outreach

Public education is an essential ingredient in maintaining the quality of our water resources. We provide an educational outreach program for students in the 4th through 8th grades that covers the water cycle and protection of our drinking water. We also have useful information on our website (scwa.com), in our Annual Report, and in billing inserts. Occasionally SCWA will distribute information to the public through newspaper ads, TV and radio announcements, and posters or plaques on our vehicles.

Additionally, group tours of our state-of-the-art water quality testing laboratory or one of our pump stations can be arranged, or we'll gladly make a special presentation to your civic organization.

The SCWA would like you to take an active part in preserving our local water supply by becoming a Groundwater Guardian.

The Groundwater Guardian program, an international effort by the Groundwater Foundation to educate the public about the nature and value of groundwater, is run locally by a group of dedicated individuals representing government, the business community, education, agriculture, and Suffolk citizens. The SCWA recently rejuvenated the program in Suffolk with the help of these local leaders, and is looking for volunteers to help raise awareness about the importance of preserving our groundwater. Potential public education campaigns may include poster and video contests in schools and the creation of a Suffolk County Groundwater Guardians website, among other efforts.

What You Can Do to Protect our Groundwater

- *Don't pour any hazardous or toxic household materials down the drain or toilet - old paint, cleaners, degreasers, oils, etc.*
- *Properly dispose of all expired or unused medications by dropping them off at your local Suffolk County police department precinct's drop box, available 24 hours a day, 7 days a week.*
- *If you use any chemicals on your lawn and gardens (pesticides, herbicides, and fertilizers) do so sparingly. In this case, more is not better.*
- *Don't overwater your lawn during the summer. Instead, irrigate less frequently and for longer durations to promote deep root growth and reduce runoff of any chemicals into the groundwater.*
- *Support open space preservation initiatives in your community.*

For further information, visit our website at www.scwa.com

SOURCE WATER PROTECTION

The Value of Water

How often do you think about the value of your tap water? And yet it provides many things that no other water can.

- *It delivers public health.*
- *It delivers fire protection.*
- *It delivers economic development.*
- *It delivers quality of life.*

Water services are delivered to you 24/7/365. A day without water can mean:

- *No drinking, flushing or brushing.*
- *No showers, laundry, or dish washing.*
- *No putting out fires or watering lawns and gardens.*
- *Increased risk of waterborne diseases.*

Drinking water services are not free. Tap water costs less than a penny per gallon – a true bargain considering the energy and expertise it takes to treat and deliver clean and reliable water to homes and businesses day in and day out. But like many basic services, the cost of treating and delivering water is going up for several reasons:

Rising treatment costs – increasingly stringent drinking water regulations add to the cost of providing water.

Aging water infrastructure – repairing and upgrading aging pipelines, pumps and other facilities accounts for a significant portion of your water bill.

Increasing energy costs – it takes a lot of electricity to pump, treat and deliver water. Rising costs for energy directly affect the cost of delivering water to you.

Cost of developing new supplies – water bills reflect the cost of developing new wells and well fields to meet peak demand periods.

Our customers get more than just a product for their money. We provide reliable service that includes ongoing maintenance, sophisticated water quality testing and treatment, and highly trained personnel. Simply put, it is one of the best deals around. To learn more, please visit our website at www.scwa.com/environment.

Conserving Water

In many parts of the U.S. water conservation is about reducing consumption to maximize a limited resource. Here in Suffolk County it isn't a matter of limited quantity, but rather a matter of using our precious natural resource efficiently. Although we have a sufficient water supply to meet present and future demands if managed properly, there are many reasons why conserving is important. Conserving water reduces the amount of electricity we use to run our wells. It reduces the need to construct new wells, water mains and tanks to meet increased demand. It ensures that there will be sufficient water pressure during peak demand periods to fight fires. Conserving water saves money and ensures that there will be an adequate supply for future generations.

Indoor Water Efficiency

Install Water-Conserving Appliances and Fixtures - They are cost effective and can greatly reduce water use. The average home, retrofitted with water-efficient fixtures, can save 30,000 gallons per year. Installing an aerator on your faucet is one of the most cost effective means to use water more wisely in your home. You can increase the faucet's efficiency by 30% without decreasing its performance. Check for EPA's WaterSense® label when purchasing new appliances and fixtures.

Fix Leaks - Check for leaky faucets and toilets. An American home can waste, on average, more than 10,000 gallons of water every year due to running toilets, dripping faucets, and other household leaks.

Don't Let Water Run - Turning off the tap while brushing teeth, shaving, and soaping hands can save gallons a day.

Fill it Up - When running the clothes washer or dishwasher, always wash full loads.

Outdoor Water Efficiency

Irrigate Properly - Install a weather-based "Smart" irrigation controller which will ensure your irrigation system only operates when it needs to. Set timers properly and install rain shut-off devices and moisture sensors, if one isn't built in, to reduce excess watering. Regularly inspect the sprinkler heads to make sure they are not malfunctioning. Adjust sprinklers so they are not spraying water on paved surfaces such as the sidewalk, driveway, or road. These steps will also save you energy.

Choose Low-Maintenance Lawns - Consider using native ground cover that requires little water in place of lawn areas.

Mulch – Use mulch to prevent water loss through evaporation. It helps keep your soil moist.

Sweep vs. Hose - Sweep outdoor surfaces with a broom instead of using a hose.

Go to the Car Wash - Wash your vehicle at a car wash that recycles its water rather than doing it yourself.

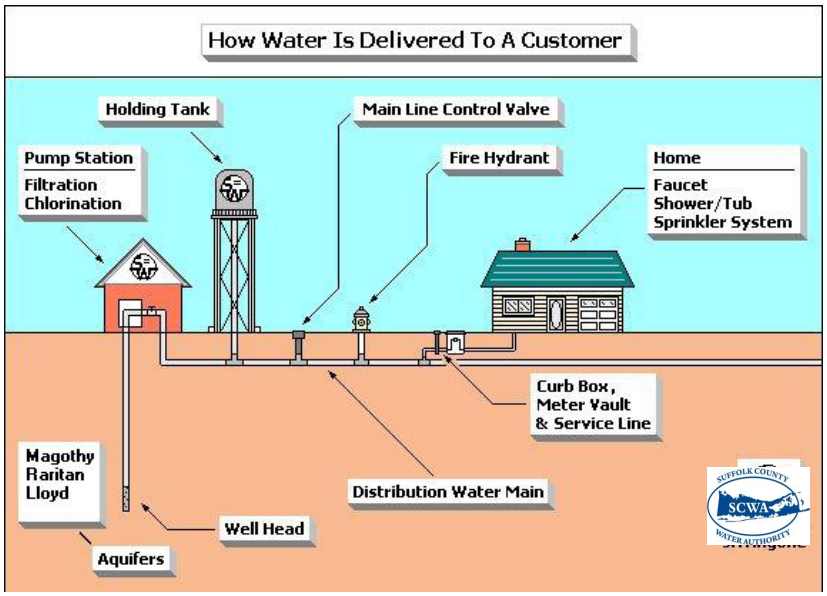
HOW SCWA ENSURES THE QUALITY OF YOUR WATER

We Would Like You To Know

Drinking water, including bottled water*, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. Water quality standards are established based upon the known health risks of the contaminants involved. In order to ensure the tap water we provide to you is safe to drink, the State and the EPA prescribe regulations that limit the amount of certain contaminants in drinking water provided in public water systems. These limits are called Maximum Contaminant Levels (MCLs). More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791)

*As a point of information, the State Health Department's and the Federal Food and Drug Administration's regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

This graphic illustrates how your drinking water is delivered to you. SCWA pump stations are located throughout Suffolk County. There may be only one or several wells located at each pump station. At these sites, the groundwater is pumped out of the aquifer. This water prior to treatment is usually referred to as "raw" water. In some cases, the raw water is filtered to remove contaminants. Before leaving the pump station, all raw water is treated to increase the pH and chlorinated to maintain disinfection throughout the distribution system. The distribution system connects the wells to your home or business. It consists of the water mains, fire hydrants, and storage tanks. Additional information about our water treatment can be found on page 37, and a description of our distribution system can be found on page 2.



DRINKING WATER QUALITY REPORT SUPPLEMENT

Additional information regarding your water supply is available in our Drinking Water Quality Report Supplement. This Supplement contains water quality data for our wells from samples that were collected before treatment and prior to being pumped to our customers. This Supplement is available to you by accessing our website at **www.scwa.com** and looking for "Water Quality Reports" under "Public Information".

The Supplemental Report contains raw water quality information from each of our well fields. The range of data presented shows the lowest value for a detected analyte, the highest value, the average value, and the total number of tests at each well field. These values represent an average of the individual wells at each well field.

SCWA STATISTICS AND WELL INFORMATION

How Much Water Did We Supply in 2021?

In 2021, we pumped 70.3 billion gallons of water. Of that total, 90% was used to meet the demands of our customers and 2% was used for flushing water mains, fire fighting, street cleaning and other purposes. The remaining 8% represents water loss and is attributed to main breaks, leaks and unauthorized usage.

SCWA Statistics for Calendar Year Ended December 31, 2021

Customers	390,759
Population Served	1.2 million
Miles of Main	6,039
Fire Hydrants	36,080
Water Pumped (billion gallons)	70.3
Total Wells in System	632
Active Wells in System	582
Pump Stations	240
Storage Facilities	68
Water Storage Capacity (million gallons)	71.6
Average Annual Water Rates (161,953 gallons/customer)	$560

Wells Placed in Service in 2021

In 2021, we did not add any new wells to our water system and we replaced 1 well. In addition, this table lists the 9 wells placed in service with treatment to remove the contaminant(s) noted.

Well Name(s)	Location	Contaminant(s)	Treatment Type
Edgewood Ave SJ #4	Saint James	PFOA/PFOS	GAC Filtration
Flint Lane #1	Coram	PFOA/PFOS	GAC Filtration
Flint Lane #2	Coram	PFOA/PFOS	GAC Filtration
Horseblock Rd #1	Farmingville	PFOA/PFOS	GAC Filtration
Lincoln Ave #3	Holbrook	PFOA/PFOS	GAC Filtration
Pierson St #1	Nesconset	PFOA/PFOS	GAC Filtration
Pierson St #2	Nesconset	PFOA/PFOS	GAC Filtration
Plymouth St #1A	Deer Park	PFOA/PFOS	GAC Filtration
Plymouth St #2A	Deer Park	PFOA/PFOS	GAC Filtration

Wells Taken Out of Service in 2021

In 2021, we retired 1 well. In addition, the 2 wells listed in this table were removed from service because they had elevated levels of the contaminant(s) noted.

Well Name(s)	Location	Contaminant(s)
Broadhollow Rd #1	East Farmingdale	Trichloroethene
Hallock Rd #1	Nesconset	PFOA/PFOS

WATER TREATMENT INFORMATION

As most of our groundwater already meets all state and federal water quality standards, it generally does not receive extensive treatment. Before the water leaves the pump station, minute traces of chlorine are routinely added according to the specifications of the state health department to prevent bacterial growth that could occur in our water mains and tanks. Our bacteriological test results can be found on pages 23 and 24. Information regarding the disinfection byproducts formed from the addition of chlorine can be found on pages 11- 13.

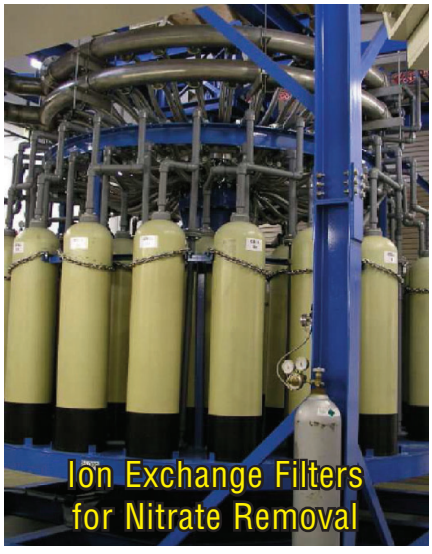
We also adjust the pH level of the water we deliver to you because the water, which we pump from the ground, is naturally acidic (pH can range from 4.5 to 6.8). To prevent corrosion of home plumbing, our water is chemically "buffered" by adding a hydrated lime product to increase the pH level. Soda ash is sometimes used instead of hydrated lime in certain portions of our system. This greatly reduces or eliminates the leaching of lead and copper from customers' interior plumbing. Our test results for lead and copper can be found on page 13.

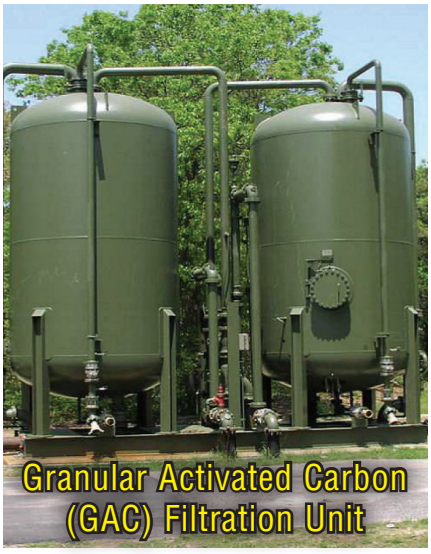

Typical Pump Station with Elevated Storage Tank


Iron and Manganese Removal Filters

In areas where the groundwater naturally contains iron or manganese levels higher than the standard, sequestering agents such as polyphosphates may be added to control the iron and keep it in solution. We also use specialized iron and manganese removal filters, and employ strategies such as systematic flushing of water mains to reduce these naturally occurring metals. If any well exceeds the standard and does not have treatment, it is removed from service.

Approximately 30% of our wells receive treatment using granular activated carbon filtration to remove pesticides/ herbicides, per- and polyfluoroalkyl substances such as PFOA/PFOS, and volatile organic compounds. Packed Tower Aeration (PTA) units also called air strippers, ion exchange, perchlorate resin filters and Advanced Oxidation Process (AOP) are also used as needed. In some cases wells are blended together at the pump station to lower the amount of contaminants, such as nitrate and 1,4-Dioxane, in the water we serve.


Ion Exchange Filters for Nitrate Removal


Granular Activated Carbon (GAC) Filtration Unit


Advanced Oxidation Process for 1,4-Dioxane Removal

SCWA HONORED WITH NATIONAL APPOINTMENT

SCWA's CEO Jeffrey Szabo Named to Serve on U.S. Environmental Protection Agency's National Drinking Water Advisory Council

SCWA's CEO Jeffrey Szabo

Suffolk County Water Authority Chief Executive Officer Jeffrey Szabo has been named to serve on the U.S. Environmental Protection Agency's National Drinking Water Advisory Council, making him the first SCWA official to ever serve on that prestigious body.

The 15-member council provides the nation's top environmental agency with independent advice and recommendations on the federal drinking water program so the EPA can gain a broad perspective from state and local water and health professionals, academics, citizen water advocates and other representatives from rural areas. The council also has two representatives of the Centers for Disease Control and Prevention, who act as liaisons to the council.

Szabo, who was sworn in for a three-year term, was selected by the EPA administrator along with four other new appointees.

Diane VanDe Hei, Chief Executive Officer of the Association of Metropolitan Water Agencies (AMWA), which nominated Szabo for the post, said it is "very valuable to have Jeff on the council" because he can bring the perspective of large drinking public water suppliers to the agency. "His knowledge of groundwater systems will provide the EPA with information and knowledge while it is developing rulemaking that will impact all water systems across the United States," she said.

Members may be asked to participate in ad hoc working groups to develop policy recommendations, advice letters or reports on specific water issues.

Szabo has served as SCWA CEO for more than a decade, overseeing the operation of a non-profit public benefit corporation which provides water for 1.2 million Suffolk residents and is the nation's largest public water utility to rely on a sole source water aquifer.

He is also board secretary for the Association of Metropolitan Water Agencies and was the architect in the creation of the Long Island Commission for Aquifer Protection (LICAP), which advocates for a coordinated, regional approach to groundwater resources management on Long Island.

During his SCWA tenure, Szabo has created a 10-year strategic business plan which has already led to the implementation of automated meter reading technology and mobile workforce technology to electronically track everything from customer work orders to water main projects. The strategic business plan also addresses providing long-term water supplies for vulnerable areas and aggressively combatting pollution from 1,4-dioxane and other contaminants with treatment systems pioneered at SCWA, while suing polluters to recover the costs.

"It's a high honor for the Suffolk County Water Authority and for Jeff in particular to be named to this prestigious panel," said SCWA Chairman Patrick Halpin. "As the largest national supplier of water from a sole source aquifer, and a leader in testing and developing treatment systems, Jeff can now share our expertise and experience at the highest levels of our government."

SCWA ONE YEAR AHEAD OF SCHEDULE

To Meet New PFOS/PFOA Regulation

Investments in GAC Treatment Systems Throughout Service Territory Help Utility Supply Drinking Water Adhering to Highly Protective Standard

The **Suffolk County Water Authority** through a substantial investment in new granular activated carbon (GAC) treatment systems has treatment in place throughout its service territory to meet or surpass a new state regulation on perfluorinated compounds. The new state regulations on PFOS/PFOA as well as 1,4-dioxane went into effect August 26, 2020, but, like many other water suppliers on Long Island, SCWA received a two-year deferral to install new treatment systems in order to comply with the tough new standards.

SCWA—which has been at the forefront of testing and developing treatment for emerging contaminants for years—has treatment in place to remove the perfluorinated compounds PFOS and PFOA virtually everywhere at which detections have been found above the new state maximum contaminant level of 10 parts per trillion, one of the most protective standards for the compounds in the country.

"This achievement demonstrates the **Suffolk County Water Authority's** commitment to providing drinking water that meets or surpasses even the most stringent water quality standards," said SCWA Chief Executive Officer Jeffrey Szabo. "It is the result of proactive planning, of getting in front of this issue early on."

SCWA has invested nearly $13 million since 2016 to add 29 GAC treatment systems at 32 wells. 15 of the systems are brand new, while the other 14 were either offline or relocated from one site to another as needed. GAC, which is used to remove a wide variety of contaminants, effectively removes PFOS and PFOA from groundwater.

TABLE OF UNDETECTED COMPOUNDS

In 2021 we tested our drinking water for these compounds and they were not detected.

1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloropropene
1,2,3-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromo-3-Chloropropane,Low Level
1,2-Dibromoethane (EDB),Low Level
1,2-Dichlorobenzene
1,2-Dichloroethane
1,3,5-Trimethylbenzene
1,3-Dichloropropane
1,7-Dimethylxanthine
1-Butanol
1-Naphthol
2,2-Dichloropropane
2,4,5-T
*2,4,6-Trichloroanisole
2,4,6-Trichlorophenol
2,4-D
2,4-DB
2,4-Dichlorophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
2-Chlorotoluene
2-Isobutyl-3-methoxypyrazine (IBMP)
2-Isopropyl-3-methoxypyrazine(IPMP)
2-Methoxyethanol
*2-Methylisoborneol
2-Propen-1-ol
3,5-Dichlorobenzoic Acid
3-Hydroxycarbofuran
4,4´ - DDD
4,4´ - DDE
4,4´ - DDT
4-Chlorotoluene
4-Isopropyltoluene
4-Nitrophenol
Acenaphthene
*Acetaldehyde
Acetaminophen
*Acetic Acid
Acetochlor
Acifluorfen
*Actinium-227
Alachlor
Albuterol
Aldicarb
Aldrin
Alitame
Alprazolam
*Americium-241
*Americium-243
Amobarbital
Anthracene
*Antimony-124
*Antimony-125
Asbestos
Atenolol
Atrazine
Azobenzene
*Barium-133
Bentazon
Benz[a]anthracene
*Benzaldehyde
Benzene
Benzo[a]pyrene
Benzophenone
Benzotriazole
Beryllium
*Beryllium-7
BHC (Alpha)
BHC (Beta)
BHC (Delta)
Bisphenol A
Bromacil
Bromobenzene
Bromochloromethane
Bromomethane
Butabarbital
Butachlor
Butalbital
*Butanal
Butylated Hydroxyanisole(BHA)
Butylated Hydroxytoluene(BHT)
Butylbenzylphthalate
*Cadmium-109
Caffeine
Carbaryl
Carbazole
Carbofuran
Carbon Tetrachloride
*Cerium-139
*Cesium-134
*Cesium-137
Chloramben
Chloroethane
Chloromethane
Chlorpyrifos
Chrysene
Cis-1,3-Dichloropropene
Cis-Permethrin
*Cobalt-57
*Cobalt-58
*Cobalt-60
Codeine
Cotinine *Crotonaldehyde
Cyanazine
Cyanide-Free
*Cyclohexanone
Dacthal (DCPA)
Dalapon
*Decanal
Di(2-Ethylhexyl) Adipate
Di(2-Ethylhexyl) Phthalate
Diazepam
Diazinon
Dibromomethane
Dicamba
Dichlobenil
Dichlorprop
Dieldrin
Diethylphthalate
Di-Isopropyl Ether
Diltiazem
Dimethipin
Dimethylphthalate
Di-n-Butyl Phthalate
Dinoseb
Diphenhydramine
Dulcin
Endosulfan I
Endosulfan II
Endosulfan Sulfate
Endrin
Endrin Aldehyde
*Ethane
Ethofumesate
Ethoprop
Ethoprophos
*Ethylene
Ethyl-Tert-Butyl Ether
*Europium-152
*Europium-154
*Europium-155
Fluorene
Fluoxetine
*Formaldehyde
*Formic Acid
Furosemide
*Geosmin
Germanium-72
*Glyoxal
Heptachlor
Heptachlor Epoxide
*Heptanal
Heterotrophic Plate Count (HPC)
Hexachlorobenzene
Hexachlorobutadiene
alpha-Hexachlorocyclohexane
Hexachlorocyclopentadiene
*Hexanal
Hydrocodone
*Iron-59
Isophorone
Isopropylbenzene
Lamotrigine
Lead
*Lead-210
Lidocaine
Lindane (Gamma-BHC)
Lisinopril
Lorazepam
Malathion
*Manganese-54
Mercury
*Mercury-203
*Methane
Methiocarb
Methomyl
Methoxychlor
*Methyl Glyoxal
Metribuzin
Molinate
Monobromoacetic Acid
Naphthalene
Napropamide
Naproxen
*N-Butylbenzene
Neohesperidin dihydrochalcone
Neotame
*Niobium-94
*N-Nitrosodiethylamine
*N-Nitrosodimethylamine
*N-Nitrosodi-n-butylamine
*N-Nitrosodi-n-propylamine
*N-Nitrosodiphenylamine
*N-Nitrosomethylethylamine
*N-Nitrosopiperidine
*N-Nitrosopyrrolidine
*Nonanal
N-Propylbenzene
Odor
*Oxalic Acid
Oxamyl
Oxybenzone
Oxyfluorfen
Pentachlorophenol
*Pentanal
Pentobarbital
PFDA (Perfluorodecfanoic Acid)
Phenanthrene
Picloram
Polychlorinated Biphenyls (PCBs)
*Potassium-40
Profenofos
Prometon
Propachlor
*Propanal
*Propane
Propoxur
Quinoline
Ronstar
*Ruthenium-103
S-Ethyl dipropylthiocarbamate (EPTC)
*Scandium-46
Sec-Butylbenzene
Secobarbital
Selenium
Silver
Silvex (2,4,5-TP)
Simazine
*Sodium-22
Stevioside
Styrene
Tebuconazole
Tebuthiuron
Terbacil
Tert-Amyl Methyl Ether
Tert-Butyl Alcohol
Tert-Butylbenzene
Tetrahydrofuran
Thallium
*Tin-113
Total Dissolved Solids (TDS)
o-Toluidine
Toxaphene
Trans-1,2-Dichloroethene
Trans-1,3-Dichloropropene
Trans-Permethrin
Tribromoacetic Acid
Tribufos
Triclocarban
Triclosan
Trifluralin
Trimethoprim
*Tritium
Uranium
*Uranium-235
Venlafaxine
Vinclozolin
Vinyl Chloride
Warfarin
*Yttrium-88
*Zinc-65
*Zirconium-95

*Selected monitoring at specific wellfields in distribution areas 1, 12, 15, 20 and 23.

NOTICES AND STATISTICS FOR WATER DISTRICTS THE SCWA OPERATES

Special Notice for East Farmingdale Water District

The Suffolk County Water Authority assumed operation of the East Farmingdale Water District in October of 2010. Test results for the East Farmingdale Water District may be found on page 22 under Distribution Area EFWD and pertinent statistics are in the table shown below. Although this notice is being provided separately, please be assured information you read elsewhere in this booklet about the protections and services we offer to our customers applies to you as well.

East Farmingdale Water District Statistics

Customers	2,447
Population Served	7,341
Miles of Main	45
Fire Hydrants	446
Water Used (Million Gallons)	682
Average Annual Bill (234,278 gallons)	$923
Water Billed (Million Gallons)	656
Percentage of Water Unaccounted for	10%

Special Notice for Riverside Water District

The Suffolk County Water Authority operates the Riverside Water District, and we serve 1,845 people there. Test results for the Riverside Water District may be found on page 22 under Distribution Area RSWD. Although this notice is being provided separately, please be assured information you read elsewhere in this booklet about the protections and services we offer to our customers applies to you as well.

Special Notice for Stony Brook Water District

The Suffolk County Water Authority operates the Stony Brook Water District. Test results for the Stony Brook Water District may be found on page 22 under Distribution Area SBWD and pertinent statistics are in the table shown below. Although this notice is being provided separately, please be assured information you read elsewhere in this booklet about the protections and services we offer to our customers applies to you as well.

Stony Brook Water District Statistics

Customers	1,645
Population Served	4,935
Miles of Main	28
Fire Hydrants	214
Water Used (Million Gallons)	240
Average Annual Bill (124,717 gallons)	$152
Water Billed (Million Gallons)	231
Percentage of Water Unaccounted for	10%

Special Notice for Brentwood and Fair Harbor Water Districts

The Suffolk County Water Authority assumed operation of the Brentwood and Fair Harbor Water Districts in 2000. Brentwood Water District is a part of SCWA Distribution Area 12. Test results for Brentwood may be found on page 17. Test results for Fair Harbor may be found on page 20 under Distribution Area 53. Although this notice is being provided separately, please be assured information you read elsewhere in this booklet about the protections and services we offer to our customers applies to you as well.

Special Notice for Dering Harbor Water District

The Suffolk County Water Authority operates with an interim agreement the Dering Harbor Water District, and we serve 136 people there. Test results for the Dering Harbor Water District may be found on page 21 under Distribution Area 64. Although this notice is being provided separately, please be assured information you read elsewhere in this booklet about the protections and services we offer to our customers applies to you as well.

MISSION STATEMENT AND CONTACT INFORMATION

MISSION STATEMENT

"We pledge to provide safe, pure and constantly tested drinking water at the lowest possible cost with exemplary customer service."

Thank you for taking the time to read this report. If you have any questions about the information contained in this report, your drinking water, or the Authority in general, please call our Customer Contact Center at 631-698-9500.
We will be more than happy to answer your questions.

This Drinking Water Quality Report is available at www.scwa.com/DWQR.

SCWA Offices And Contact Information

Normal business hours, Monday - Friday, 8:30 a.m. - 5:00 p.m.

Administrative Offices
4060 Sunrise Highway Oakdale, NY 11769

Customer Service Center
2045 Route 112, Suite 5, Coram, NY 11727 (631) 698-9500

For the Hearing Impaired
TDD Customer Service Number is 589-5210

Need more information about us? You may also be interested in attending one of the meetings of the Suffolk County Water Authority Board. Please feel free to attend these meetings, which are generally held at 3 p.m. on the last Thursday of the month at our headquarters in Oakdale. Additionally, the Suffolk County Department of Health Services Office of Water Resources oversees the SCWA. If you prefer, questions regarding the SCWA and/or this report can be directed to them at 631-852-5810.

Federal Public Water Supply ID Numbers

Brentwood Water District 5103692
Dering Harbor Water District. 5103700
East Farmingdale Water District 5103701
Fair Harbor Water District 5110599
Riverside Water District. 5105655
Stony Brook Water District 5103698
Suffolk County Water Authority 5110526