2024 Drinking Water Quality Report

SUFFOLK COUNTY WATER AUTHORITY
SCWA

2024 DRINKING WATER QUALITY REPORT

For the period January 1, 2023 to December 31, 2023

(Including data for Brentwood, Dering Harbor, East Farmingdale, Fair Harbor, Riverside, Stony Brook, and West Neck 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

Charles Lefkowitz
Chairman,
SCWA

Jeffrey Szabo
Chief Executive Officer,
SCWA

Thomas Schneider
Director of
Water Quality and
Laboratory Services,
SCWA

Dear Suffolk County Water Authority Customer:

The Suffolk County Water Authority prides itself in maintaining higher standards for drinking water quality than required by regulations. Throughout this report, you will find detailed information on the results of the testing done during calendar year 2023 by our laboratory.

We test water at the wellhead, at various stages of treatment and within our distribution system for hundreds of chemical constituents. In 2023, we tested for 390 chemical constituents, which is 231 more than required by regulators. We also analyzed 92,847 samples that produced 191,047 tests with over 1.7 million results. SCWA goes above and beyond what is required to provide high quality drinking water.

We recognize the changing regulatory landscape regarding emerging contaminants. The U.S. Environmental Protect Agency proposed national drinking water standard for PFOA and PFOS of 4 parts per trillion, lower than the current standard in New York state of 10 parts per trillion. The New York State Department of Health proposed regulating additional PFAS compounds beyond PFOA and PFOS. While these regulations have not yet been finalized, SCWA is committed to surpassing all state and federal standards so that the water we deliver to our customers remains of the highest possible quality.

This report includes detailed information about the source of your drinking water supply, but if you have any questions, please do not hesitate to contact one of our drinking water quality professionals at 631-218-1138.

Charles Lefkowitz
Chairman

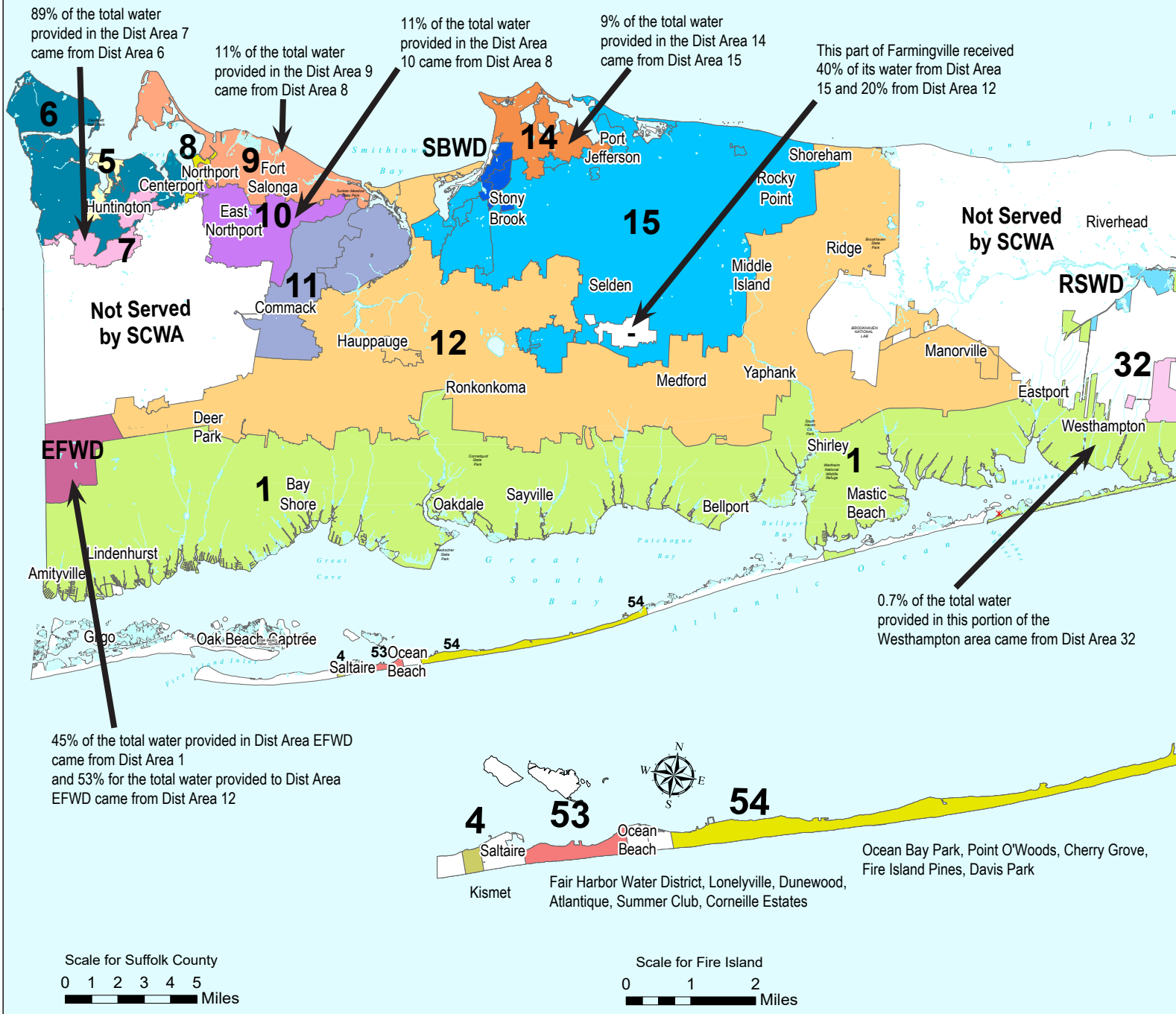
Thomas Schneider
Director of Water Quality and Laboratory Services

SCWA WATER DISTRIBUTION AREAS

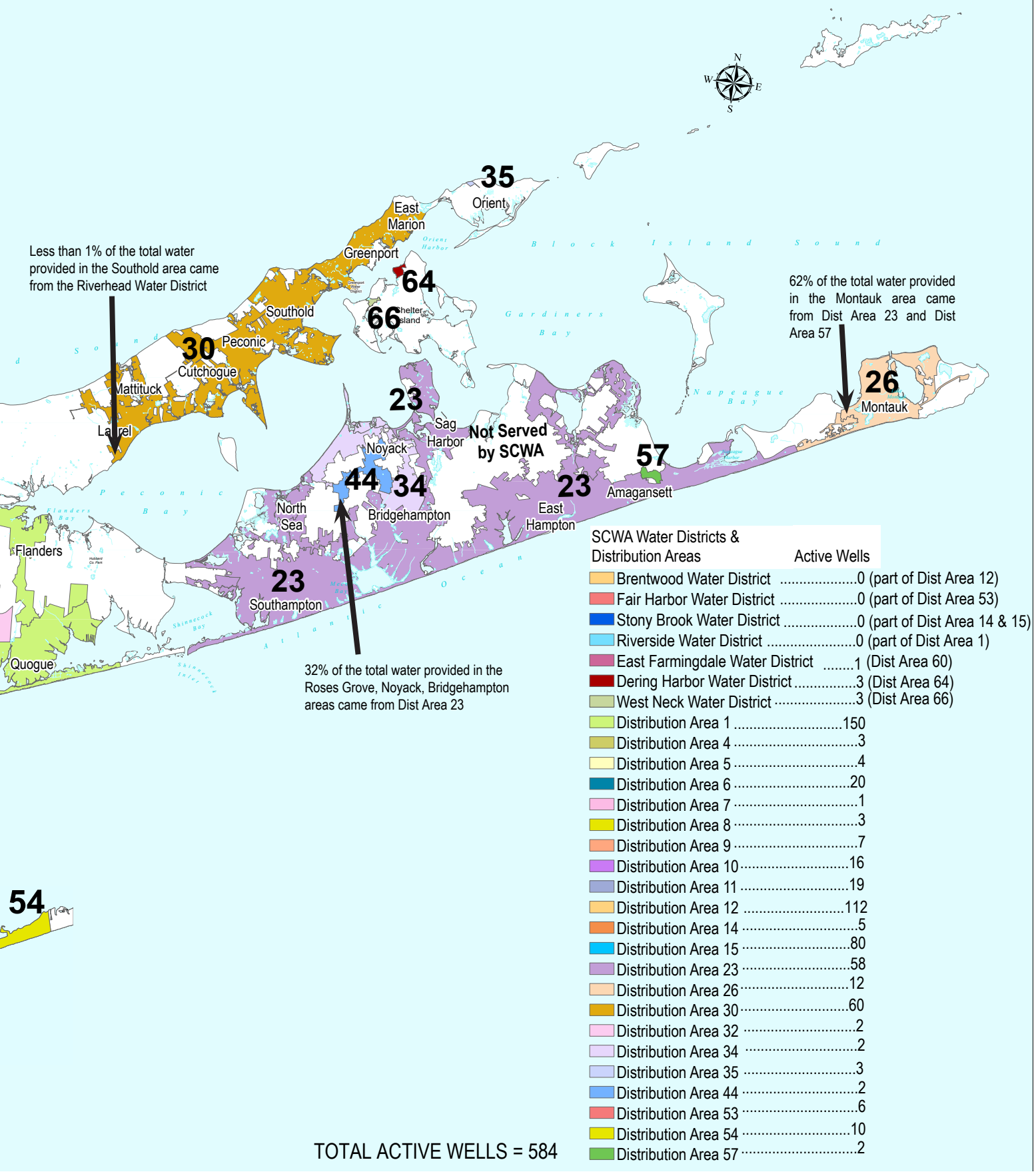
Suffolk County is not flat. In fact, the ground surface elevation across the county varies from sea level to over 300 feet above sea level. Elevation is the key factor in determining water pressure, the lower the ground elevation, the higher the pressure. A single water system could not provide reasonable 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 27 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 DISTRICT AREAS



SCWA Water Districts & Distribution Areas	Active Wells
Brentwood Water District	0 (part of Dist Area 12)
Fair Harbor Water District	0 (part of Dist Area 53)
Stony Brook Water District	0 (part of Dist Area 14 & 15)
Riverside Water District	0 (part of Dist Area 1)
East Farmingdale Water District	1 (Dist Area 60)
Dering Harbor Water District	3 (Dist Area 64)
West Neck Water District	3 (Dist Area 66)
Distribution Area 1	150
Distribution Area 4	3
Distribution Area 5	4
Distribution Area 6	20
Distribution Area 7	1
Distribution Area 8	3
Distribution Area 9	7
Distribution Area 10	16
Distribution Area 11	19
Distribution Area 12	112
Distribution Area 14	5
Distribution Area 15	80
Distribution Area 23	58
Distribution Area 26	12
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 = 584

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 (C)	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 46 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 27 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 6 through 35.

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.

G **TYPES OF DETECTED COMPOUNDS**
Broad categories based on chemical characteristics.

Water Quality Data Key Terms, Definitions & Units of Measure

USEPA Health Advisory Levels (HAL): Identify the concentration of a contaminant in drinking water at which adverse health effects and/or aesthetic effects are not anticipated to occur over specific exposure durations. Health Advisory Levels are not to be construed as legally enforceable federal standards and are subject to change as new information becomes available.

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).

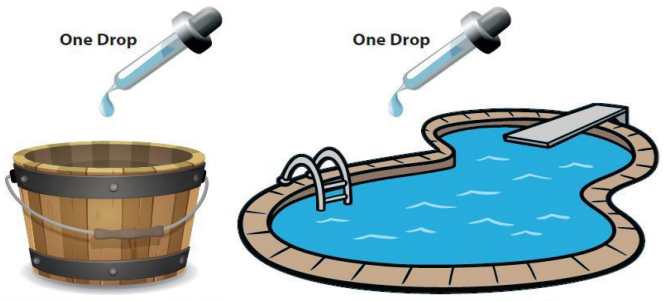
Picocuries per liter (pCi/L): Picocuries per liter is a measure of the radioactivity in water.

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 13 gallon bucket, while 1 ppb is the same as one drop of water in a swimming pool (13,200 gallons)! 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 1 inch in 16 million miles which is 600+ times around the earth.

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Contaminant Monitoring Rule 5 (UCMR 5)

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

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

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

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

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

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

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Contaminant Monitoring Rule 5 (UCMR 5)

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

EPA Method 533 UCMR 5

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

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

EPA Method 533 UCMR 5

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

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

EPA Method 533 UCMR 5

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

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

EPA Method 533 UCMR 5

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

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Contaminant Monitoring Rule 5 (UCMR 5)

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

EPA Method 533 UCMR 5

Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Distribution Area 32					Distribution Area 34					Distribution Area 35				
					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
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2

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

EPA Method 533 UCMR 5

Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Distribution Area 44					Distribution Area 53					Distribution Area 54				
					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
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	8	No	ND	ND	ND	11

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

EPA Method 533 UCMR 5

Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Distribution Area 57					Distribution Area 64					Distribution Area EFWD				
					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
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2

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

EPA Method 533 UCMR 5

Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Distribution Area RSWD					Distribution Area SBWD					Distribution Area WNWD				
					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
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorobutanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluoroheptanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorohexanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorononanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2
Perfluoropentanoic Acid		50	n/a	ug/L	No	NA	NA	NA	0	No	NA	NA	NA	0	No	ND	ND	ND	2

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

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

EPA Method 533

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

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

EPA Method 533

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

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

EPA Method 533

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

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

EPA Method 533

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

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

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

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

EPA Method 533

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

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

EPA Method 533

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

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

EPA Method 533

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

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

EPA Method 533

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

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

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

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

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

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

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

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

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

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

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

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

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

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

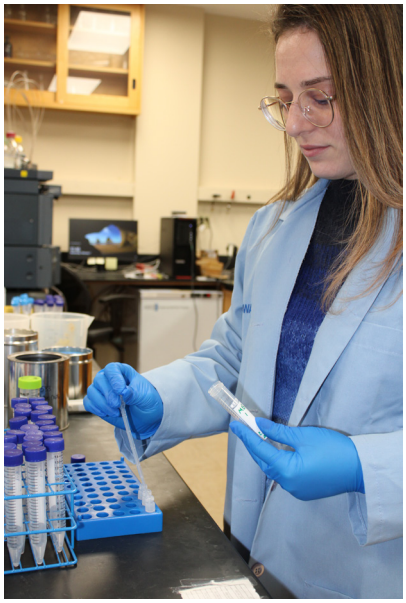
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Distribution Area 44					Distribution Area 53					Distribution Area 54				
					Violation Yes/No	Range of Readings Low Value	Range of Readings High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	Range of Readings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

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

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

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

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



WATER QUALITY DATA BY DISTRIBUTION AREA

Pharmaceuticals and Personal Care Products (PPCPs) Monitoring

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

https://nepis.epa.gov/Exe/tiff2png.cgi/P1007BCF.PNG?-r+75+-g+7+D%3A%5CZYFILES%5CINDEX%20DATA%5C06THRU10%5CTIFF%5C00000773%5CP1007BCF.TIF%20

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

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

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

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

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

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

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

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

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

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

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	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	Distribution Area EFWD 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	0.22	0.14	6	No	ND	0.17	0.06	10	No	ND	ND	ND	6
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.65	0.29	6	No	ND	0.30	0.11	10	No	ND	ND	ND	6
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	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	Distribution Area WNWD 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	2	No	ND	0.18	0.06	4	No	ND	0.60	0.15	9
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.23	0.08	9
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	0.06	ND	9
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.06	ND	2	No	ND	ND	ND	4	No	ND	0.90	0.23	9
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	4	No	ND	ND	ND	9

SAFE DISPOSAL OF PHARMACEUTICALS

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts

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

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

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts (cont'd)

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

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

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

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

Disinfectants and Disinfection Byproducts (cont'd)

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

Lead

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

Lead and Copper Rule (LCR) Monitoring

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

2023 Lead and Copper Test Results

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

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

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

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

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

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

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

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

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants

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

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 9					Distribution Area 10					Distribution Area 11				
					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	36.4	89.0	61.2	18	No	31.0	62.0	45.5	36	No	26.8	102.2	56.3	41
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.04	0.03	23	No	ND	0.05	0.03	40	No	ND	0.13	0.04	53
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	8	No	ND	ND	ND	19	No	ND	ND	ND	21
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	40	No	ND	ND	ND	53
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.03	ND	23	No	ND	0.06	ND	40	No	ND	0.07	0.03	53
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	51
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	58.9	ND	18	No	ND	61.7	ND	40	No	ND	387.6	60.9	42
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	16.9	35.8	26.1	18	No	12.1	37.2	22.0	36	No	11.1	50.0	26.3	51
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	12.2	38.4	23.2	98	No	10.7	32.8	21.0	181	No	9.7	79.6	41.6	164
Chromium, total	Natural deposits	100	100	ug/L	No	ND	3.7	0.6	23	No	ND	4.1	0.8	40	No	ND	3.9	0.8	53
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	2.8	9.7	5.5	18	No	0.4	28.0	7.5	36	No	1.8	32.8	8.7	41
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	23	No	ND	1.1	ND	40	No	ND	2.7	0.5	53
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	ND	ND	18	No	ND	5	ND	36	No	ND	5	ND	41
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	23	No	ND	0.03	ND	40	No	ND	0.04	ND	53
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	98	No	ND	ND	ND	181	No	ND	ND	ND	164
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	58.3	126.0	89.0	18	No	42.7	119.8	72.7	36	No	35.4	153.7	83.8	51
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	2.98	0.53	23	No	ND	3.77	0.69	40	No	ND	3.68	0.72	45
Iron	Naturally occurring	300	n/a	ug/L	No	ND	30	ND	18	No	ND	35	ND	36	No	ND	88	ND	51
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.7	ND	23	No	ND	ND	ND	40	No	ND	1.0	ND	53
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.74	9.71	5.80	18	No	1.54	6.83	4.32	36	No	1.23	7.02	4.38	51
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	76	18	51
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	1.5	0.8	23	No	ND	2.1	1.1	40	No	ND	5.2	1.7	53
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	3.14	7.98	6.24	98	No	2.20	8.36	6.57	181	No	0.07	8.64	6.05	164
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	98	No	ND	ND	ND	181	No	ND	ND	ND	164
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.91	0.50	21	No	ND	3.53	1.65	65	No	ND	1.79	0.67	47
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.1	8.6	7.5	49	No	6.5	8.4	7.3	68	No	6.7	8.4	7.3	66
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.9	8.5	7.4	338	No	6.7	9.0	7.3	694	No	6.4	8.5	7.3	535
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.26	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	51
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.81	1.87	1.23	18	No	0.81	1.53	1.09	36	No	0.69	2.15	1.30	51
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.8	9.9	6.6	23	No	3.4	8.3	5.5	40	No	3.8	7.1	5.3	53
Sodium	Naturally occurring	n/a	n/a	mg/L	No	9.1	20.7	15.2	18	No	8.2	18.9	12.1	36	No	6.4	36.3	19.8	51
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	184	355	274	18	No	139	320	223	36	No	112	506	274	41
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.058	0.122	0.083	23	No	0.029	0.139	0.074	40	No	0.022	0.144	0.070	53
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.4	27.6	13.3	98	No	ND	29.2	13.5	181	No	ND	17.3	8.7	164
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	36	No	ND	ND	ND	51
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	4	No	ND	0.6	ND	4
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	1.31	0.46	18	No	ND	1.56	0.42	36	No	ND	1.29	0.53	41
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	40	No	ND	ND	ND	53
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	40	No	ND	ND	ND	53
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	23	No	ND	ND	ND	40	No	ND	0.02	ND	53
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	42	No	ND	ND	ND	63
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	38	No	ND	ND	ND	44
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	2.27	0.53	39	No	0.13	1.74	0.45	59	No	ND	1.67	0.48	77
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	38	No	ND	ND	ND	44
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	17	No	ND	ND	ND	37	No	ND	ND	ND	43
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	39	No	ND	ND	ND	45
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	0.53	ND	190
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	0.84	ND	190
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	1.23	ND	190
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	0.80	0.26	77	No	ND	1.55	0.43	122	No	ND	1.42	0.33	190
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.45	ND	77	No	ND	0.29	ND	122	No	ND	0.77	ND	190
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	77	No	ND	0.29	ND	122	No	ND	ND	ND	190
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.25	ND	77	No	ND	0.59	ND	122	No	ND	1.31	ND	190
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	77	No	ND	0.34	ND	122	No	ND	0.58	ND	190
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	ND	ND	190
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.54	ND	77	No	ND	0.32	ND	122	No	ND	0.69	ND	190
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	0.60	ND	190
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	1.84	ND	190
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	0.27	ND	122	No	ND	ND	ND	190
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	77	No	ND	ND	ND	122	No	ND	0.81	ND	190

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 12					Distribution Area 14					Distribution Area 15				
					Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	ND	147.4	57.2	249	No	ND	46.4	25.2	14	No	ND	118.2	51.4	167
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.28	0.03	478	No	ND	ND	ND	13	No	ND	0.16	0.04	204
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	142	No	ND	ND	ND	7	No	ND	0.17	ND	87
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	4.4	ND	478	No	ND	ND	ND	13	No	ND	1.5	ND	204
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.09	ND	478	No	ND	0.03	ND	13	No	ND	0.13	0.03	204
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	485	No	ND	ND	ND	14	No	ND	ND	ND	239
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	77.1	ND	300	No	ND	ND	ND	14	No	ND	57.6	ND	209
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	1.4	58.4	22.3	485	No	2.1	19.0	7.6	14	No	2.2	69.0	23.2	239
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	4.1	122.9	41.8	495	No	4.5	20.5	7.5	14	No	4.2	139.4	39.2	512
Chromium, total	Natural deposits	100	100	ug/L	No	ND	3.9	0.5	478	No	ND	1.0	ND	13	No	ND	4.4	1.0	204
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.4	43.2	8.3	249	No	1.8	11.0	5.8	14	No	0.3	37.8	8.3	167
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	2.9	ND	478	No	ND	ND	ND	13	No	ND	1.5	ND	204
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	15	ND	249	No	ND	5	ND	14	No	ND	7	ND	167
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.12	ND	478	No	ND	0.08	0.03	13	No	ND	0.10	ND	204
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	495	No	ND	ND	ND	14	No	ND	ND	ND	512
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	7.2	198.1	73.9	485	No	8.1	69.9	25.2	14	No	9.8	202.0	79.0	239
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	3.94	0.43	253	No	0.19	0.94	0.45	14	No	ND	2.91	0.84	168
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	756	97	485	No	ND	35	ND	14	Yes	ND	955	66	239
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.0	ND	478	No	ND	ND	ND	13	No	ND	3.5	ND	204
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.33	18.46	4.44	485	No	0.69	5.44	1.51	14	No	0.77	11.85	5.10	239
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	109	15	485	No	ND	ND	ND	14	No	ND	99	15	239
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	6.0	0.6	478	No	ND	1.0	ND	13	No	ND	3.4	0.5	204
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	9.66	4.53	491	No	ND	4.15	1.06	14	No	0.07	9.62	4.84	509
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	495	No	ND	ND	ND	14	No	ND	ND	ND	512
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	2.77	0.45	281	No	ND	2.06	0.45	18	No	ND	4.22	0.90	213
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.7	7.3	442	No	6.5	7.5	7.0	18	No	6.5	8.6	7.2	228
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	9.0	7.4	2745	No	6.7	8.0	7.3	263	No	6.2	8.5	7.3	2022
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	3.09	0.47	485	No	ND	ND	ND	14	No	ND	2.19	0.43	239
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.25	3.74	1.19	485	No	0.35	1.27	0.52	14	No	0.37	3.52	1.35	239
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.1	10.8	6.6	478	No	4.4	7.8	5.2	13	No	4.8	10.5	7.3	204
Sodium	Naturally occurring	n/a	n/a	mg/L	No	3.2	65.9	18.2	485	No	3.8	12.9	5.9	14	No	3.9	78.9	22.6	239
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	36	592	257	249	No	44	224	92	14	No	41	686	256	167
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.211	0.056	478	No	ND	0.062	0.015	13	No	ND	0.204	0.070	204
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	30.3	14.0	495	No	ND	14.6	2.8	14	No	ND	32.6	11.7	512
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	8.4	ND	485	No	ND	ND	ND	14	No	ND	ND	ND	239
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.7	ND	26	No	ND	ND	ND	4	No	ND	0.7	ND	12
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	4.15	0.63	248	No	ND	0.59	ND	14	No	ND	3.53	0.58	166
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	478	No	ND	ND	ND	13	No	ND	1.21	ND	204
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.4	ND	478	No	ND	ND	ND	13	No	ND	5.5	ND	204
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.02	ND	478	No	ND	0.04	ND	13	No	ND	0.06	ND	204
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	253	No	ND	ND	ND	13	No	ND	ND	ND	181
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	253	No	ND	ND	ND	13	No	ND	ND	ND	181
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	13	No	ND	ND	ND	170
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	256	No	ND	ND	ND	13	No	ND	ND	ND	170
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	0.29	ND	261	No	ND	ND	ND	13	No	ND	ND	ND	171
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	0.25	ND	257	No	ND	ND	ND	13	No	ND	ND	ND	172
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	1.12	0.17	391	No	ND	0.40	0.11	15	No	ND	0.81	0.21	256
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	257	No	ND	ND	ND	13	No	ND	ND	ND	172
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	253	No	ND	ND	ND	13	No	ND	ND	ND	181
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	253	No	ND	ND	ND	13	No	ND	ND	ND	181
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	5.31	ND	270	No	ND	ND	ND	13	No	ND	2.47	ND	175
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.21	ND	556	No	ND	ND	ND	23	No	ND	0.35	ND	351
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	2.17	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.91	ND	556	No	ND	ND	ND	23	No	ND	0.88	ND	351
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	2.86	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	2.70	ND	556	No	ND	0.31	ND	23	No	ND	1.58	ND	351
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	1.42	ND	556	No	ND	ND	ND	23	No	ND	0.98	ND	351
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	0.49	ND	351
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	2.79	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.97	ND	556	No	ND	ND	ND	23	No	ND	0.75	ND	351
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.43	ND	556	No	ND	ND	ND	23	No	ND	0.25	ND	351
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.28	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	6.42	ND	556	No	ND	ND	ND	23	No	ND	0.77	ND	351
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	ND	ND	351
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	1.80	ND	556	No	ND	ND	ND	23	No	ND	1.04	ND	351
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	1.09	ND	556	No	ND	ND	ND	23	No	ND	0.50	ND	351
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	ND	ND	23	No	ND	1.33	ND	351
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	556	No	ND	0.34	ND	23	No	ND	0.45	ND	351
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	0.57	ND	556	No	ND	ND	ND	23	No	ND	0.67	ND	351

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 23					Distribution Area 26					Distribution Area 30				
					Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	21.8	104.2	49.6	109	No	32.0	150.6	61.7	31	No	ND	155.4	69.0	108
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.09	0.03	127	No	ND	0.08	0.03	29	No	ND	0.21	0.05	148
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	63	No	ND	ND	ND	15	No	ND	ND	ND	72
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	127	No	ND	ND	ND	29	No	ND	ND	ND	148
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.09	0.03	127	No	0.02	0.10	0.05	29	No	ND	0.07	0.03	148
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	215	No	ND	ND	ND	132	No	ND	ND	ND	179
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	164.5	ND	129	No	ND	124.5	63.8	33	No	ND	380.5	84.0	118
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	5.7	54.7	24.3	215	No	7.8	61.8	22.4	132	No	8.7	64.8	32.4	179
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	9.4	79.3	37.3	236	No	23.5	75.7	43.2	32	No	13.0	201.0	56.0	534
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.9	ND	127	No	ND	0.6	ND	29	No	ND	2.0	0.5	148
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.1	24.1	5.9	109	No	0.6	11.0	4.0	31	No	0.3	30.3	7.9	108
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	3.8	ND	127	No	ND	0.8	ND	29	No	ND	ND	ND	148
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	12	ND	109	No	ND	10	ND	31	No	ND	7	ND	108
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	0.07	ND	127	No	ND	ND	ND	29	No	ND	0.24	ND	148
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	236	No	ND	ND	ND	32	No	ND	ND	ND	534
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	21.2	166.2	80.4	215	No	36.1	199.9	83.3	132	No	33.2	225.6	111.9	179
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	ND	0.69	0.31	109	No	ND	0.68	0.22	29	No	ND	1.69	0.32	108
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	815	123	215	Yes	ND	698	109	132	No	ND	136	37	179
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.4	1.2	127	No	ND	2.2	1.1	29	No	ND	2.8	ND	148
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.54	9.86	4.78	215	No	3.11	11.11	6.68	132	No	2.81	16.67	7.56	179
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	186	31	215	No	ND	114	16	132	No	ND	218	30	179
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	2.3	ND	127	No	ND	1.7	0.5	29	No	ND	1.9	ND	148
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	9.31	3.69	235	No	0.14	4.08	1.89	32	No	0.68	8.25	4.77	530
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	236	No	ND	ND	ND	32	No	ND	ND	ND	534
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.60	ND	132	No	ND	0.35	ND	37	No	ND	2.85	1.54	190
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	8.8	7.4	166	No	7.1	8.1	7.6	44	No	6.6	8.8	7.4	237
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	8.5	7.4	1226	No	6.9	8.5	7.6	248	No	6.9	8.8	7.5	858
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	2.63	0.48	215	No	ND	3.27	1.31	132	No	ND	2.87	0.41	179
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.45	3.79	1.41	215	No	1.07	2.24	1.69	132	No	0.59	5.41	2.43	179
Silicon	Naturally occurring	n/a	n/a	mg/L	No	5.2	11.4	7.7	127	No	7.7	11.2	9.2	29	No	4.2	8.8	6.5	148
Sodium	Naturally occurring	n/a	n/a	mg/L	No	7.2	51.6	18.8	215	No	16.4	40.0	27.2	132	No	8.4	90.2	37.9	179
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	91	481	238	109	No	97	439	302	31	No	128	830	406	108
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.023	0.136	0.071	127	No	0.044	0.126	0.079	29	No	0.041	0.213	0.109	148
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.8	67.9	21.7	236	No	8.5	23.7	12.3	32	No	5.6	72.3	35.3	534
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	6.1	ND	215	No	ND	ND	ND	132	No	ND	10.6	ND	179
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.6	ND	10	No	ND	0.6	ND	6	No	ND	0.7	0.6	6
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	2.19	0.53	109	No	ND	5.63	1.37	30	No	ND	2.22	0.60	108
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	127	No	ND	ND	ND	29	No	ND	ND	ND	148
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	6.3	ND	127	No	ND	ND	ND	29	No	ND	1.4	ND	148
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	127	No	ND	0.08	ND	29	No	ND	0.04	ND	148
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	134	No	ND	ND	ND	31	No	ND	1.72	ND	142
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	134	No	ND	ND	ND	31	No	ND	1.12	ND	142
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	31	No	ND	0.61	ND	199
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	135	No	ND	ND	ND	31	No	ND	0.53	ND	199
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	123	No	ND	ND	ND	31	No	ND	ND	ND	121
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	125	No	ND	ND	ND	30	No	ND	ND	ND	134
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.24	ND	144	No	ND	0.82	0.08	41	No	ND	0.10	ND	136
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	125	No	ND	ND	ND	30	No	ND	0.53	ND	134
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	1.14	ND	134	No	ND	ND	ND	31	No	ND	2.72	ND	142
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	134	No	ND	ND	ND	31	No	ND	3.09	ND	142
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	1.47	ND	127	No	ND	ND	ND	32	No	ND	8.61	1.58	179
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	5.11	0.28	210	No	ND	0.97	ND	55	No	ND	ND	ND	184
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	0.51	ND	55	No	ND	ND	ND	184
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	0.36	ND	184
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	0.29	ND	55	No	ND	ND	ND	184
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.29	ND	210	No	ND	0.27	ND	55	No	ND	0.27	ND	184
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.16	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	210	No	ND	0.56	ND	55	No	ND	ND	ND	184
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	0.29	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	210	No	ND	ND	ND	55	No	ND	ND	ND	184

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 32					Distribution Area 34					Distribution Area 35				
						Range of Readings					Range of Readings					Range of Readings			
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	29.6	72.4	46.4	6	No	38.8	50.6	43.0	6	No	62.4	101.6	85.3	10
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.08	0.06	6	No	ND	0.03	ND	6	No	ND	ND	ND	10
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	3	No	ND	ND	ND	3	No	ND	ND	ND	5
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.02	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	143.1	65.4	10
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	8.9	21.7	16.2	6	No	13.3	16.6	14.7	6	No	25.1	31.2	27.6	10
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	25.8	106.9	61.2	6	No	12.1	15.5	13.7	6	No	ND	67.6	21.2	42
Chromium, total	Natural deposits	100	100	ug/L	No	0.6	1.6	0.8	6	No	ND	0.7	ND	6	No	ND	ND	ND	10
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.9	17.0	5.5	6	No	2.4	6.7	5.3	6	No	6.1	12.6	9.5	10
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	0.14	0.09	10
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	42
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	31.2	64.0	50.4	6	No	45.0	59.6	51.0	6	No	95.5	132.6	111.1	10
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.35	1.28	0.69	6	No	0.20	0.58	0.39	6	No	ND	0.55	0.13	10
Iron	Naturally occurring	300	n/a	ug/L	No	ND	68	40	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	1.1	ND	6	No	ND	ND	ND	10
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.16	2.62	2.41	6	No	2.57	5.08	3.49	6	No	7.82	13.29	10.28	10
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	0.6	ND	10
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.34	0.95	0.60	6	No	0.46	0.79	0.61	6	No	ND	6.73	4.03	42
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	0.067	ND	42
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	0.32	ND	8	No	ND	0.36	ND	8	No	ND	1.43	0.33	23
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.9	7.6	7.3	8	No	7.1	7.6	7.3	7	No	7.0	7.5	7.3	18
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	8.0	7.5	63	No	7.0	7.9	7.4	107	No	7.0	8.6	7.4	94
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.58	0.89	0.71	6	No	0.67	0.88	0.75	6	No	1.22	1.56	1.41	10
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.0	5.6	4.7	6	No	5.8	8.5	6.8	6	No	7.8	8.9	8.3	10
Sodium	Naturally occurring	n/a	n/a	mg/L	No	11.7	63.1	37.5	6	No	8.6	10.8	9.5	6	No	29.4	50.3	40.3	10
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	239	441	314	6	No	144	176	158	6	No	367	549	431	10
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.044	0.064	0.057	6	No	0.036	0.062	0.046	6	No	0.094	0.150	0.121	10
Sulfate	Naturally occurring	250	n/a	mg/L	No	5.1	7.6	6.5	6	No	8.0	16.7	11.0	6	No	ND	76.1	34.5	42
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	2	No	ND	0.5	ND	2	No	ND	0.5	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	1.22	0.80	6	No	ND	0.62	ND	6	No	ND	0.74	ND	10
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	3.1	ND	6	No	ND	ND	ND	10
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	0.04	0.02	10
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	10
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	ND	ND	14
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	6	No	ND	8.57	1.22	29
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	0.47	ND	31
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	31
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	10	No	ND	ND	ND	31

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 44					Distribution Area 53					Distribution Area 54				
					Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	35.4	48.0	41.4	6	No	ND	48.6	37.2	19	No	23.2	38.8	32.0	29
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	0.03	0.88	0.31	31	No	0.03	0.63	0.27	44
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	3	No	ND	ND	ND	10	No	ND	ND	ND	18
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	0.10	ND	72	No	ND	0.13	ND	77
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	28	No	ND	ND	ND	47
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	12.0	22.2	16.1	6	No	ND	1.0	0.5	72	No	ND	1.2	ND	77
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	14.0	25.4	18.3	6	No	4.1	5.5	4.7	20	No	3.9	9.3	5.0	30
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.6	ND	6	No	ND	1.1	ND	31	No	ND	1.0	ND	44
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.3	16.2	7.0	6	No	1.2	15.0	7.0	19	No	1.0	14.1	5.0	29
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	6	Yes	ND	20	8	19	No	ND	12	6	29
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	0.05	ND	31	No	ND	0.04	ND	44
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	0.2	ND	30
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	43.8	74.7	55.4	6	No	ND	4.5	ND	72	No	ND	3.3	ND	77
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.18	0.50	0.33	6	No	ND	0.30	0.11	20	No	ND	0.50	0.12	30
Iron	Naturally occurring	300	n/a	ug/L	No	ND	113	34	6	Yes	172	695	348	72	Yes	55	657	238	77
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.1	ND	6	No	4.6	10.7	6.5	31	No	2.5	6.5	4.1	44
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	3.33	4.68	3.70	6	No	ND	0.49	ND	72	No	ND	0.22	ND	77
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	25	ND	6	No	ND	12	ND	72	No	ND	ND	ND	77
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	6	No	ND	5.8	0.7	31	No	ND	6.4	0.6	44
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.33	1.52	0.86	6	No	ND	0.02	ND	20	No	ND	0.02	ND	30
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	28	No	ND	ND	ND	40
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.7	7.9	7.2	6	No	6.6	7.9	7.1	19	No	6.6	7.8	7.2	31
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	8.2	7.4	56	No	6.4	8.0	7.2	72	No	7.0	8.0	7.3	138
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	3.57	1.05	72	No	ND	2.71	0.34	77
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.74	1.43	0.90	6	No	1.62	4.42	2.95	72	No	0.94	3.61	1.73	77
Silicon	Naturally occurring	n/a	n/a	mg/L	No	6.3	10.0	7.2	6	No	4.3	5.7	4.9	31	No	4.4	5.7	5.0	44
Sodium	Naturally occurring	n/a	n/a	mg/L	No	9.6	14.0	11.4	6	No	8.8	23.8	18.9	72	No	10.8	22.5	16.6	77
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	153	218	183	6	No	61	118	100	19	No	72	116	86	29
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.042	0.079	0.054	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Sulfate	Naturally occurring	250	n/a	mg/L	No	10.2	32.4	14.8	6	No	4.1	5.2	4.7	20	No	3.7	5.6	4.2	30
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	49.0	14.8	72	No	ND	36.0	10.2	77
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	0.5	0.5	0.5	2	No	0.5	1.0	0.7	8	No	0.7	1.3	0.9	10
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.56	ND	6	No	ND	4.87	2.06	19	No	ND	3.29	1.30	29
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	4.4	1.1	6	No	ND	ND	ND	31	No	ND	ND	ND	44
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	0.04	ND	31	No	ND	0.02	ND	44
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	20	No	ND	ND	ND	30
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	21	No	ND	1.32	ND	30
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	28	No	ND	ND	ND	35

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area 57					Distribution Area 64					Distribution Area EFWD				
					Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	32.2	67.4	51.6	6	No	52.4	76.6	63.2	8	No	28.6	44.4	37.6	6
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.03	ND	6	No	ND	ND	ND	8	No	ND	0.10	0.05	8
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	3	No	ND	ND	ND	5	No	ND	ND	ND	3
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.03	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	37	No	ND	ND	ND	7
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	62.9	ND	6	No	ND	221.1	73.1	12	No	ND	55.2	ND	14
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	10.2	24.2	18.9	6	No	7.5	11.8	9.6	37	No	7.5	18.5	13.4	7
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	25.4	37.9	32.3	6	No	22.0	79.8	37.5	8	No	6.6	14.2	10.5	6
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.7	ND	6	No	ND	0.8	0.5	8	No	ND	ND	ND	8
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.6	6.4	3.5	6	No	1.4	39.4	12.3	8	No	0.6	6.6	3.0	6
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	2.5	1.2	8
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	6	No	ND	ND	ND	8	No	ND	10	ND	6
Copper	Household plumbing	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	43.6	82.5	66.6	6	No	34.3	64.0	45.9	37	No	25.4	53.5	38.1	7
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.29	0.54	0.40	6	No	0.26	0.41	0.35	8	No	ND	0.23	0.13	6
Iron	Naturally occurring	300	n/a	ug/L	No	ND	33	ND	6	No	ND	273	52	37	No	ND	266	91	7
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.4	1.3	6	No	ND	ND	ND	8	No	ND	1.1	ND	8
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	4.28	5.47	4.72	6	No	3.60	9.52	5.30	37	No	0.54	1.79	1.10	7
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	37	No	ND	10	ND	7
Nickel	Alloys, coatings manufacturing, batteries	100	n/a	ug/L	No	ND	ND	ND	6	No	ND	0.9	ND	8	No	1.0	3.4	2.2	8
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.67	2.38	1.38	6	No	0.50	1.46	1.00	8	No	0.05	3.07	0.76	6
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	10
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.2	7.8	7.5	6	No	6.5	8.0	7.3	15	No	7.1	8.7	7.6	11
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.8	8.3	7.7	56	No	7.0	8.5	7.4	31	No	7.0	8.0	7.5	156
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.20	ND	6	No	ND	1.52	1.15	37	No	ND	0.35	ND	7
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.94	1.49	1.20	6	No	0.82	1.71	1.16	37	No	0.40	0.83	0.59	7
Silicon	Naturally occurring	n/a	n/a	mg/L	No	7.8	9.8	9.0	6	No	8.5	9.9	9.5	8	No	3.4	3.7	3.5	8
Sodium	Naturally occurring	n/a	n/a	mg/L	No	16.9	22.1	19.8	6	No	23.5	68.7	39.1	37	No	4.3	8.2	5.8	7
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	180	291	244	6	No	212	436	276	8	No	79	153	120	6
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.046	0.079	0.066	6	No	0.047	0.074	0.059	8	No	0.016	0.037	0.028	8
Sulfate	Naturally occurring	250	n/a	mg/L	No	9.0	12.4	10.0	6	No	9.9	11.9	10.5	8	No	ND	4.5	ND	6
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	37	No	ND	6.2	ND	7
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	0.5	0.7	0.6	2	No	0.6	0.6	0.6	2	No	ND	0.5	ND	4
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.41	ND	6	No	ND	0.59	ND	8	No	ND	1.04	0.46	6
Uranium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	8
Synthetic Organic Compounds including Pesticides and Herbicides (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 34)																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Aldicarb Sulfone	Pesticide used on row crops	2	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
1,4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.07	ND	6	No	ND	ND	ND	12	No	ND	2.40	0.47	6
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	6
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	2.15	0.52	21
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,3-Dichlorobenzene	Used as a fumigant and insecticide	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	21

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants

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

WELL MONITORING FOR TOTAL COLIFORM

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

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

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

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

SCWA's lab also tests every filtration system and water storage tank for total coliform and performs Heterotrophic Plate Count (HPC) measurements. Since most bacteria, including many of the bacteria associated with drinking water systems, are heterotrophs, this test can provide useful information about water quality. In 2023, the HPC results for our storage tanks were negative (no heterotrophs were found). The HPC results for our filter systems can be found in the 2023 Drinking Water Quality Report Supplement. Please see page 41 for more information on this report.

MICROBIOLOGICAL TESTING AND MONITORING REQUIREMENTS

To reduce the risk of illness caused by microbial contamination the SCWA tests for total coliform bacteria, including E. coli. Total coliform bacteria are a conservative indicator of the potential for contamination from waste and provides a basis for investigation to determine and correct sanitary deficiencies. E. coli is a coliform bacteria that indicates fecal contamination and an immediate concern requiring prompt investigation. The Total Coliform Rule (TCR) and Ground Water Rule (GWR) are EPA regulations that require us to test our distribution system for total coliform bacteria. When there is a total coliform-positive result found in a distribution system sample, we are then required to test our wells in the surrounding area. This is called Triggered Source Water Monitoring. In 2023, all Triggered Source Water monitoring samples were total coliform-negative (no coliforms, including E. coli were found).

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

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

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

Revised Total Coliform Rule Level 1 & Level 2 Assessment Definitions

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

• Level 1 Assessment: A Level 1 assessment is an evaluation of the water system to identify potential problems and determine, if possible, why total coliform bacteria have been found in our water system.

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

2023 Microbiological Test Results for Distribution

TABLE I – Microbiological Test Results
for Large Water Distribution Areas

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

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

TABLE II – Microbiological Test Results
for Small Water Distribution Areas

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

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

DISINFECTION BYPRODUCTS RULE MONITORING

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

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

2023 Stage 2 DBPR Test Results

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

Iron and Manganese

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

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

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

Radionuclides and Radiological Monitoring

Gross Alpha and Gross Beta

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

Tritium

Some radionuclides emit gamma (also called photon) radiation. Common byproducts from nuclear reactors and waste, such as cesium-137, emit gamma radiation (also called photon emitters). Due to differences in energy levels, the MCL in pCi/L for a particular photon emitter will depend on the type of radionuclide present. Tritium, a radioactive isotope of the element hydrogen, is a weak beta emitter. It occurs naturally in the environment in very low concentrations, and may also be produced during nuclear weapon explosions and as a byproduct from nuclear reactors. The EPA has set a 20,000 pCi/L MCL for tritium. In 2023 we monitored 30 wells near Brookhaven National Laboratory for gross alpha and beta particles, tritium, and gamma radiation. These wells are located in distribution areas 1 and 12. The gross alpha and gross beta results for these areas are listed in the chart on page 33. There were no detections of tritium or gamma radiation in the 54 samples tested.

Radium-226 and Radium-228

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

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

RADIOLOGICAL TEST RESULTS (ALL DISTRIBUTION AREAS)

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

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

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

Asbestos Monitoring

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

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

MAXIMUM CONTAMINANT LEVEL DEFERRALS

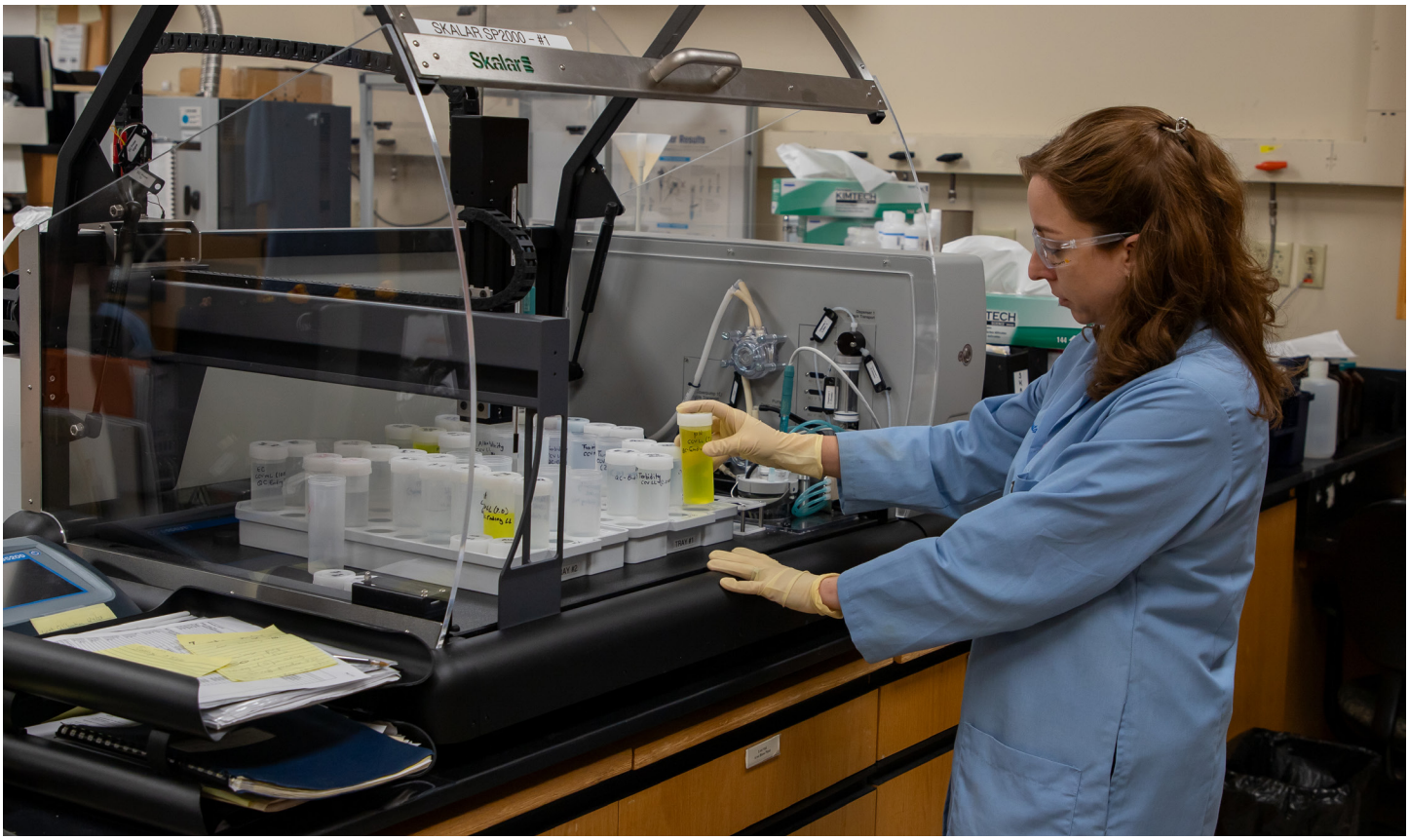
PFOS, PFOA and 1,4-Dioxane

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

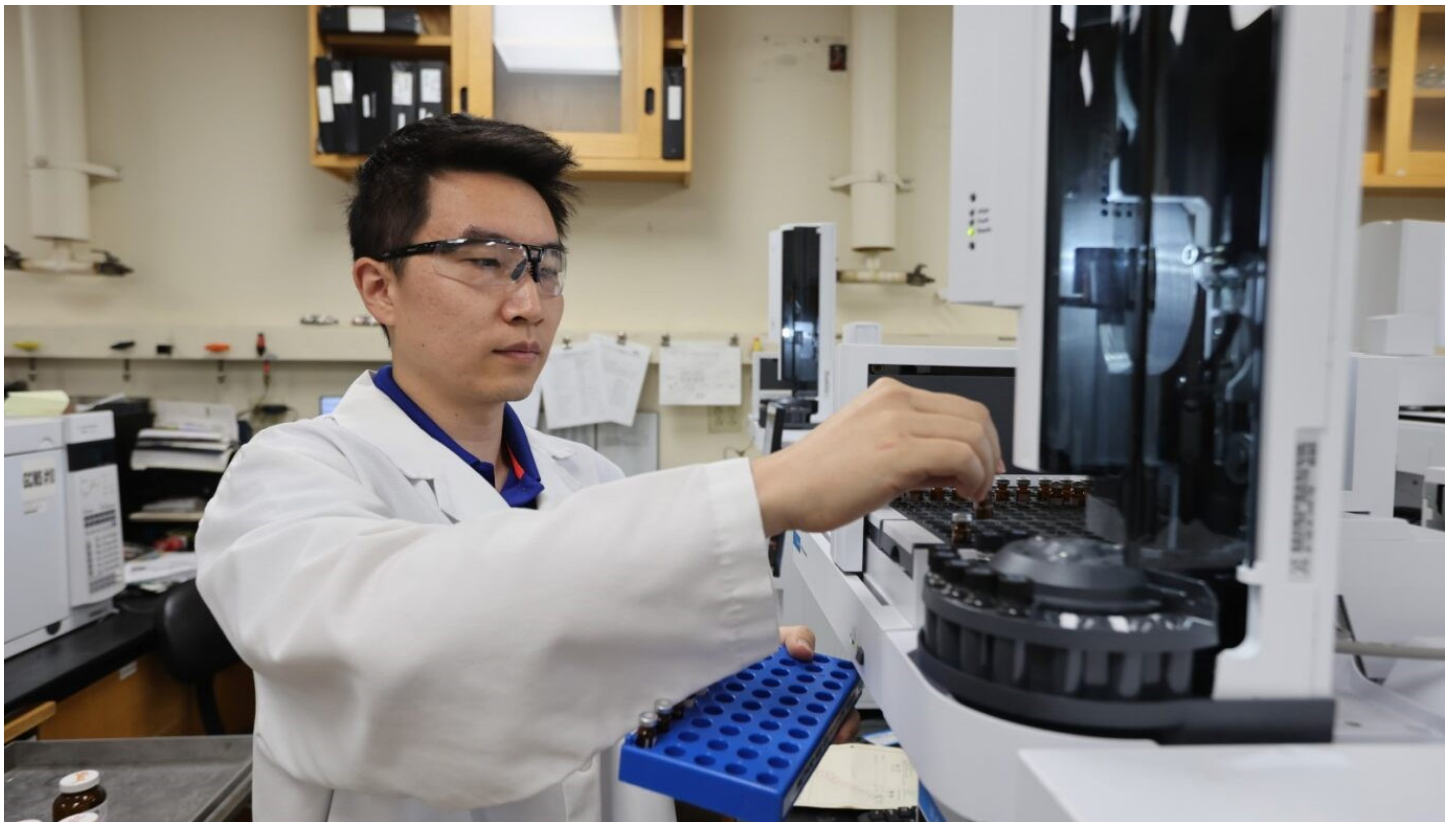
What is being done to remove these contaminants?

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

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



WATER QUALITY DATA BY DISTRIBUTION AREA



2023 Nitrosamine Test Results for Distribution Area 12*

One well in Distribution Area 12 has nitrosamines. Currently granular activated carbon (GAC) treatment is being used at these wells for nitrosamine removal. Nitrosamines can be formed by a byproduct of the disinfection of drinking water or found as a contaminant in drinking water from manufacturing processes such as for rubber and latex products. Additionally, nitrosamines are found in tobacco smoke, cosmetics and food products such as cured meats and fish, beer and smoked products, and they also form in the body from the nitrosation of dietary amines. The EPA has 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 2023 test results for Distribution Area 12 is shown in the chart below.

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

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

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

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

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 2023 nitrate results for each distribution area are noted on pages 20-28.

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.

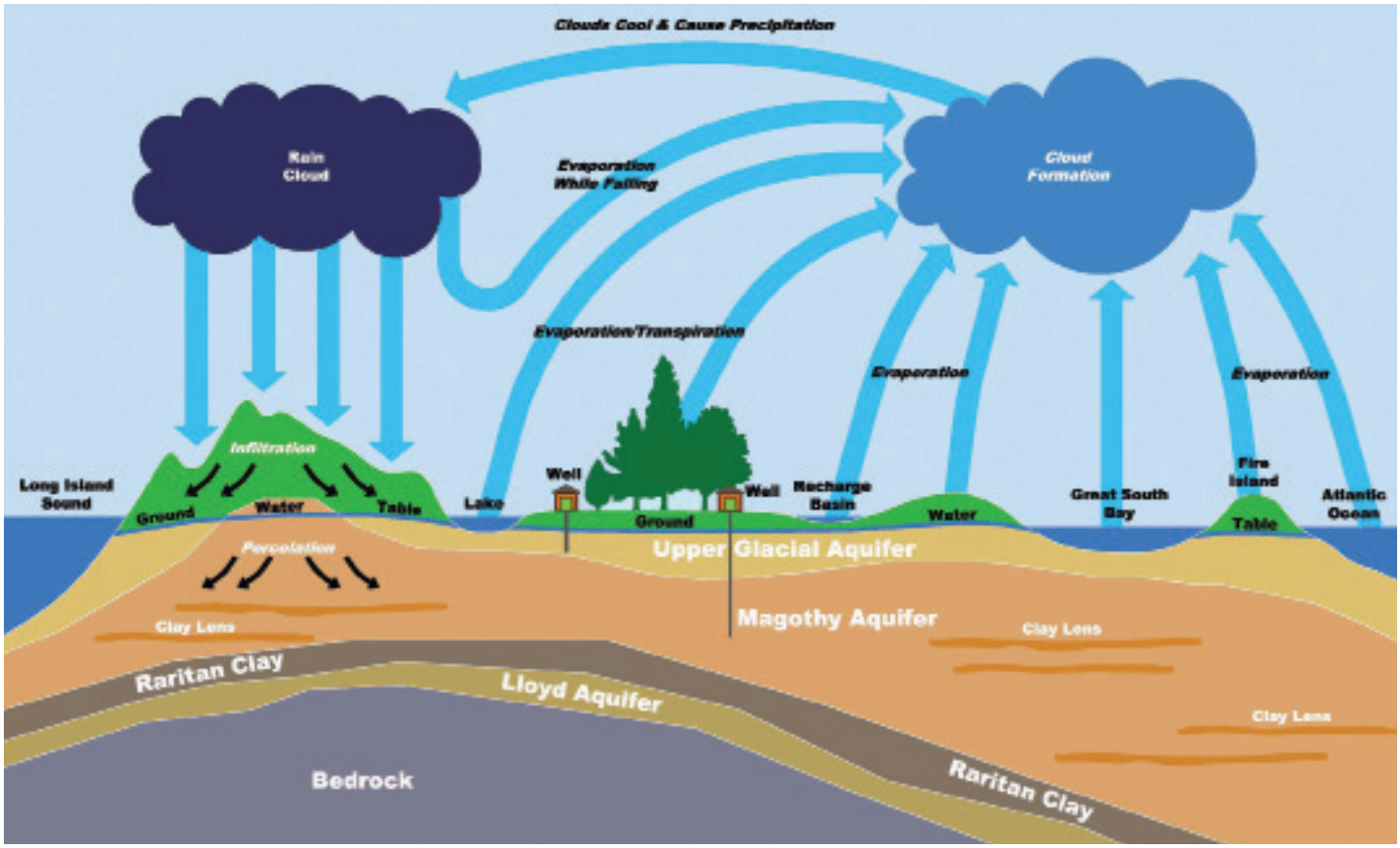
GO GREEN: SIGN UP FOR E-BILLING TODAY!

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:

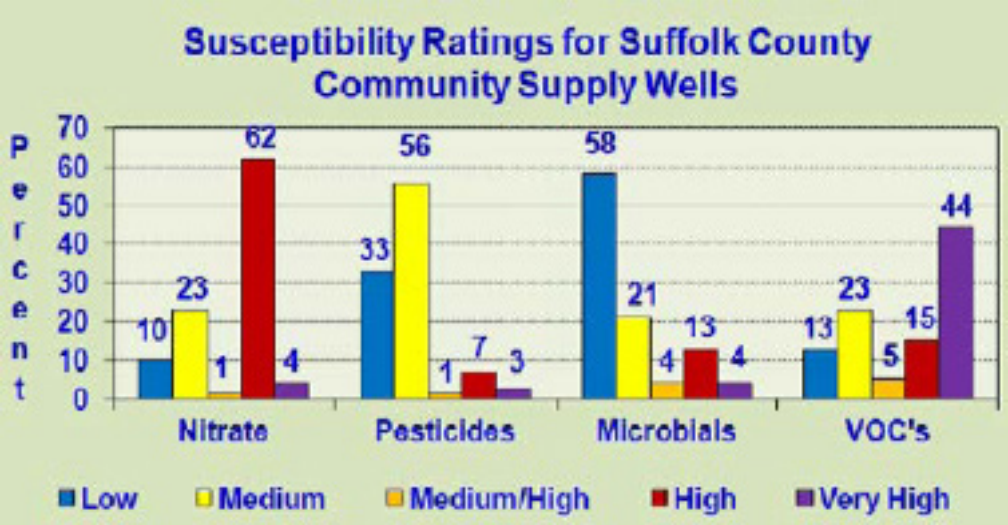
Upper Glacial Aquifer — contains the newest water to the groundwater system. The Water Authority has 282 wells drawing from this portion of the aquifer. Virtually all private wells draw from the Glacial Aquifer.

Magothy Aquifer — is the largest of the three formations and holds the most water, much of which is hundreds of years old. There are 350 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 high quality 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 https://www.scwa.com/water-quality/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.

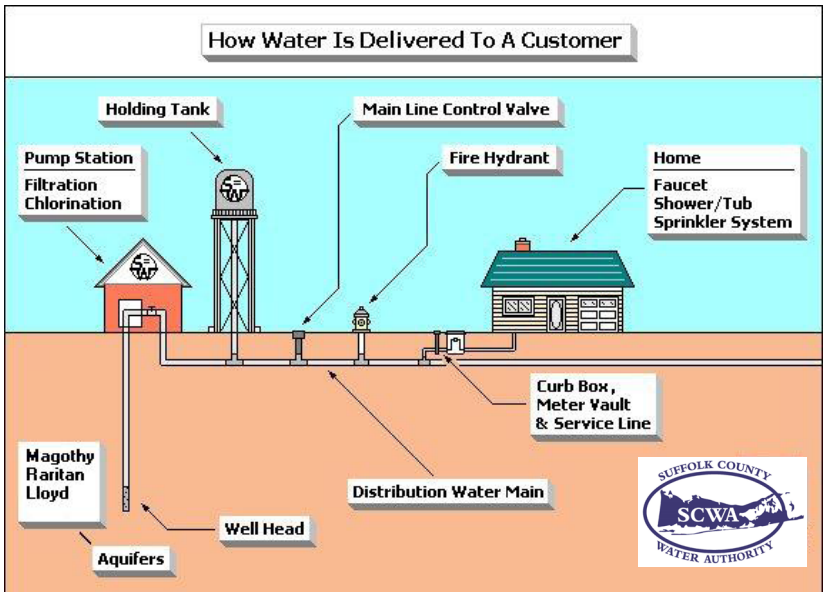
HOW SCWA ENSURES THE QUALITY OF YOUR WATER

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 the highest quality, New York 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 43, and a description of our distribution system can be found on page 2.



DRINKING WATER QUALITY REPORT SUPPLEMENT

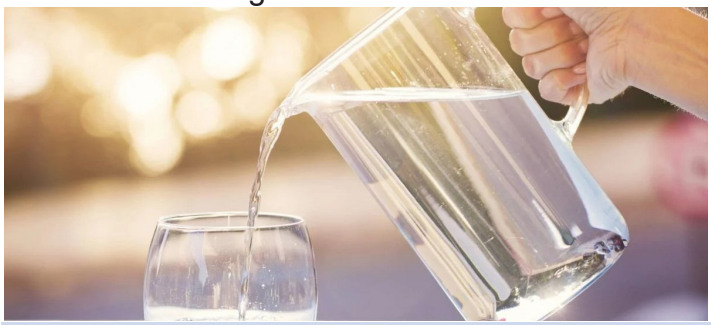
Additional information regarding your water supply is available in our Drinking Water Quality Report Supplement. This Supplement contains water quality data for our wells from samples that were collected before treatment and prior to being pumped to our customers. This Supplement is available to you 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 2023?

In 2023, we pumped 71.2 billion gallons of water. Of that total, 90.4% was used to meet the demands of our customers and 1.4% was used for flushing water mains, firefighting, street cleaning and other purposes. The remaining 8.2% represents water loss and is attributed to main breaks, leaks and unauthorized usage.



SCWA Statistics for Calendar Year Ended December 31, 2023

Customers	393,074
Population Served	1,179,222
Miles of Main	6,072
Fire Hydrants	36,285
Water Pumped (billion gallons)	71.2
Total Wells in System	639
Active Wells in System	584
Pump Stations	242
Storage Facilities	69
Water Storage Capacity (million gallons)	73.6
Average Annual Water Rates (166,424 gallons/customer)	$620

Wells Placed in Service in 2023

In 2023, we added four new wells to our water system and replaced two wells. In addition, this table lists the twelve wells placed in service with treatment to remove the contaminant(s) noted.

Well Name(s)	Location	Contaminant(s)	Treatment Type
Blue Point Rd #1	Holtsville	PFC's/Chlorodane	GAC Filtration
Douglas Ave #1	Northport	1,4 Dioxane	Advanced Oxidation Process
Douglas Ave #2	Northport	1,4 Dioxane	Advanced Oxidation Process
Flower Hill Rd #1	Halesite	1,4 Dioxane	Advanced Oxidation Process
Flower Hill Rd #2	Halesite	1,4 Dioxane	Advanced Oxidation Process
Flower Hill Rd #3	Halesite	1,4 Dioxane	Advanced Oxidation Process
Hollywood Pl #1	Huntington Station	1,4 Dioxane	Advanced Oxidation Process
Lawrence Ave #2	Kings Park	1,4 Dioxane/VOC's	AOP/GAC Filtration
Liberty Ave #2	Hauppauge	PFC's	GAC Filtration
Mckay Rd #1	Huntington	1,4 Dioxane	Advanced Oxidation Process
Old Country Rd #1A	Westhampton	PFC's	GAC Filtration
Strathmore Ct #3	Coram	PFC's/Tetrachloroethene	GAC Filtration
Waterside Rd #2	Northport	PFC's	Advanced Oxidation Process

Wells Taken Out of Service in 2023

In 2023, we retired two wells. In addition, the five 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)	Well Name(s)	Location	Contaminant(s)
Belmore Ave #1	Great River	Well Screen Failure	Pleasant Ave #4	Centereach	Tetrachloroethene
Meehan Ln #2	Coram	Nitrates	Station Rd #3	North Bellport	PFC's
Peconic St LK #2	Lakeland	1,4 Dioxane			

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 29 and 30. Information regarding the disinfection byproducts formed from the addition of chlorine can be found on pages 17 - 19.

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 19.


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 31% 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


Advanced Oxidation Process

SCWA Completes Eight New Advanced Treatment Systems in Town Of Huntington

Suffolk County Water Authority Completes Eight New Advanced Treatment Systems in Town of Huntington

August 24, 2023 01:43 PM

The Suffolk County Water Authority (SCWA) announced that it recently completed eight new Advanced Oxidation Process (AOP) water treatment systems throughout the Town of Huntington. These state-of-the-art treatment systems are specifically designed to remove the emerging contaminant 1,4-dioxane from the SCWA supplied drinking water. SCWA worked to install them ahead of a state regulatory deadline on August 25th, ensuring that customers continue to have access to high quality drinking water.

SCWA Brings High Quality Water to Over 100 Manorville Homes

Suffolk County Water Authority Brings High Quality Water to Over 100 Manorville Homes

February 29, 2024 02:49 PM

At a press conference held at the home of one of its newest customers, the Suffolk County Water Authority announced the completion of a substantial water main extension project in Manorville, which makes high quality public water available to more than 100 homes. This is the culmination of a year's long effort by residents in the community, elected officials and SCWA to expand public water to this area. These homes previously sourced their water from private wells that were threatened by contaminants such as PFAS. Now that they are connected to the SCWA's infrastructure, these homeowners and their families will benefit from the state-of-the-art water treatment and distribution services that the Authority provides on a daily basis.

"Providing residents with the highest-quality water possible is our foremost priority at the Suffolk County Water Authority," said SCWA Chairman Charles Lefkowitz. "When your drinking water is compromised by contamination, your entire quality of life is threatened. The people in this community haven't been able to drink a glass of water, cook or bathe without wondering if their water was going to make them sick. They don't need to worry anymore because SCWA is here to provide them with high quality drinking water."

Joining Lefkowitz for the announcement were New York State Senator Dean Murray, Assemblywoman Jodi Giglio, Brookhaven Town Supervisor Dan Panico and Executive Director of Citizen's Campaign for the Environment Adrienne Esposito.

TABLE OF UNDETECTED COMPOUNDS

In 2023 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-Dibromo-3-Chloropropane,Low Level
1,2-Dibromoethane (EDB),Low Level
1,2-Dichlorobenzene
1,3,5-Trimethylbenzene
1,3-Dichloropropane
1,4-Dichlorobenzene
1,7-Dimethylxanthine
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid
1H,1H,2H,2H-Perfluorodecane Sulfonic Acid
1H,1H,2H,2H-Perfluorohexane Sulfonic Acid
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-Methylisoborneol
3,5-Dichlorobenzoic Acid
3-Hydroxycarbofuran
4,4´ - DDD
4,4´ - DDE
4,4´ - DDT
4,8-Dioxa-3H-perfluorononanoic Acid
4-Chlorotoluene
4-Isopropyltoluene
4-Nitrophenol
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid
Acenaphthene
*Acetaldehyde
Acetaminophen
Acetochlor
Acifluorfen
*Actinium-227
Aldicarb
Aldrin
Alitame
*Americium-241
*Americium-243
Amobarbital
Anthracene
Antimony
*Antimony-124
*Antimony-125
Atrazine
Azobenzene
*Barium-133
Bentazon
Benz[a]anthracene
*Benzaldehyde
Benzene
Benzo[a]pyrene
Benzophenone
Benzotriazole
Beryllium
*Beryllium-7
BHC (Alpha)
BHC (Beta)
BHC (Delta)
Bromacil
Bromate
Bromobenzene
Bromochloromethane
Bromomethane
Butabarbital
Butachlor
Butalbital
*Butanal
Butylbenzylphthalate
Cadmium
*Cadmium-109
Carbaryl
Carbazole
Carbofuran
*Cerium-139
*Cesium-134
*Cesium-137
Chloramben
Chlorodibromoacetic Acid
Chloroethane
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
Diazinon
Dibromomethane
Dicamba
Dichlobenil
Dichlorprop
Dieldrin
Diethylphthalate
Dimethylphthalate
Di-n-Butyl Phthalate
Dinoseb
Dulcin
Endosulfan I
Endosulfan II
Endosulfan Sulfate
Endrin
Endrin Aldehyde
Ethofumesate
Ethoprophos
*Europium-152
*Europium-154
*Europium-155
Fluorene
*Formaldehyde
*Formic Acid
*Geosmin
Germanium-72
*Glyoxal
Heptachlor
Heptachlor Epoxide
*Heptanal
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexafluoropropylene Oxide Dimer Acid
*Hexanal
Hexazinone
Hydrocodone
*Iron-59
Isophorone
Isopropylbenzene
Lamotrigine
Lead
*Lead-210
Lindane (Gamma-BHC)
Malathion
*Manganese-54
Mercury
*Mercury-203
Methiocarb
Methomyl
Methoxychlor
Methylene Chloride
*Methyl Glyoxal
Metribuzin
Molinate
Molybdenum
Monobromoacetic Acid (MBAA)
Monochloroacetic Acid (MCAA)
*N-Butylbenzene
N-ethyl perfluorooctanesulfonamidoacetic Acid
N-methyl perfluoroocatnesulfonamidoacetic Acid
*N-Nitrosodi-N-propylamine
*N-Nitrosodiethylamine
*N-Nitrosodimethylamine
*N-Nitrosodiphenylamine
*N-Nitrosomethylethylamine
*N-Nitrosomorpholine
*N-Nitrosopiperidine
*N-Nitrosopyrrolidine
*N-Propylbenzene
Naphthalene
Napropamide
Naproxen
Neohesperidin dihydrochalcone
Neotame
*Niobium-94
Nonafluoro-3-6-dioxaheptanoic Acid
*Nonanal
*Octanal
*Oxalic Acid
Oxamyl
Oxyfluorfen
Pentachlorophenol
*Pentanal
Pentobarbital
Perfluoro(2-ethoxyethane)sulfonic Acid
Perfluoro-3-methoxypropanoic Acid
Perfluoro-4-methoxybutanoic Acid
Perfluorodecanoic Acid
Perfluorododecanoic Acid
Perfluoroheptanesulfonic Acid
Perfluorotetradecanoic Acid
Perfluorotridecanoic Acid
Perfluoroundecanoic Acid
Phenanthrene
Picloram
Polychlorinated Biphenyls(PCBs)
*Potassium-40
Prilocaine
Propachlor
*Propanal
Propoxur
Ronstar
*Ruthenium-103
*Scandium-46
Sec-Butylbenzene
Selenium
S-Ethyl dipropylthiocarbamate(EPTC)
Silver
Silvex (2,4,5-TP)
Simazine
*Sodium-22
Stevioside
Styrene
Surfactants, anionic
Tebuconazole
Terbacil
Tert-Amyl Methyl Ether
Tert-Butylbenzene
Tetrahydrofuran
Thallium
Threshold Odor
Tin
*Tin-113
Toxaphene
Trans-1,2-Dichloroethene
Trans-1,3-Dichloropropene
Trans-Permethrin
Tribromoacetic Acid
Tribufos
Triclosan
Trifluralin
*Tritium
*Uranium-235
Vinclozolin
Vinyl Chloride
Warfarin
*Yttrium-88
*Zinc-65
*Zirconium-95

*Selected monitoring at specific wellfields in distribution areas 1, 12, 15 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 27 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	2,452
Population Served	7,356
Miles of Main	45.3
Fire Hydrants	448
Water Used (Million Gallons)	638
Average Annual Bill (250,303 gallons)	$919
Water Billed (Million Gallons)	614
Percentage of Water Unaccounted for	8.2%

Special Notice for Riverside Water District

The Suffolk County Water Authority operates the Riverside Water District, and we serve 620 people there with an estimated population of 1,860. Test results for the Riverside Water District may be found on page 28 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 Dering Harbor Water District

The Suffolk County Water Authority assumed operation of the Dering Harbor Water District in 2020, and we serve 34 residential and commercial properties with an estimated population of 136. Test results for the West Neck Water District may be found on page 27 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.

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 28 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	1,644
Population Served	4,932
Miles of Main	29
Fire Hydrants	216
Water Used (Million Gallons)	238
Average Annual Bill (131,947 gallons)	$161
Water Billed (Million Gallons)	229
Percentage of Water Unaccounted for	8.2%

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 15. Test results for Brentwood may be found on page 23. Test results for Fair Harbor may be found on page 26 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 West Neck Water District

The Suffolk County Water Authority assumed operation of the West Neck Water District in 2022, and we serve 70 residential and commercial properties with an estimated population of 200. Test results for the West Neck Water District may be found on page 28 under Distribution Area WNWD. 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

"Our mission is to provide the customers of the Suffolk County Water Authority the highest quality water at the lowest possible cost with excellent 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.

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
West Neck Water District 5110623