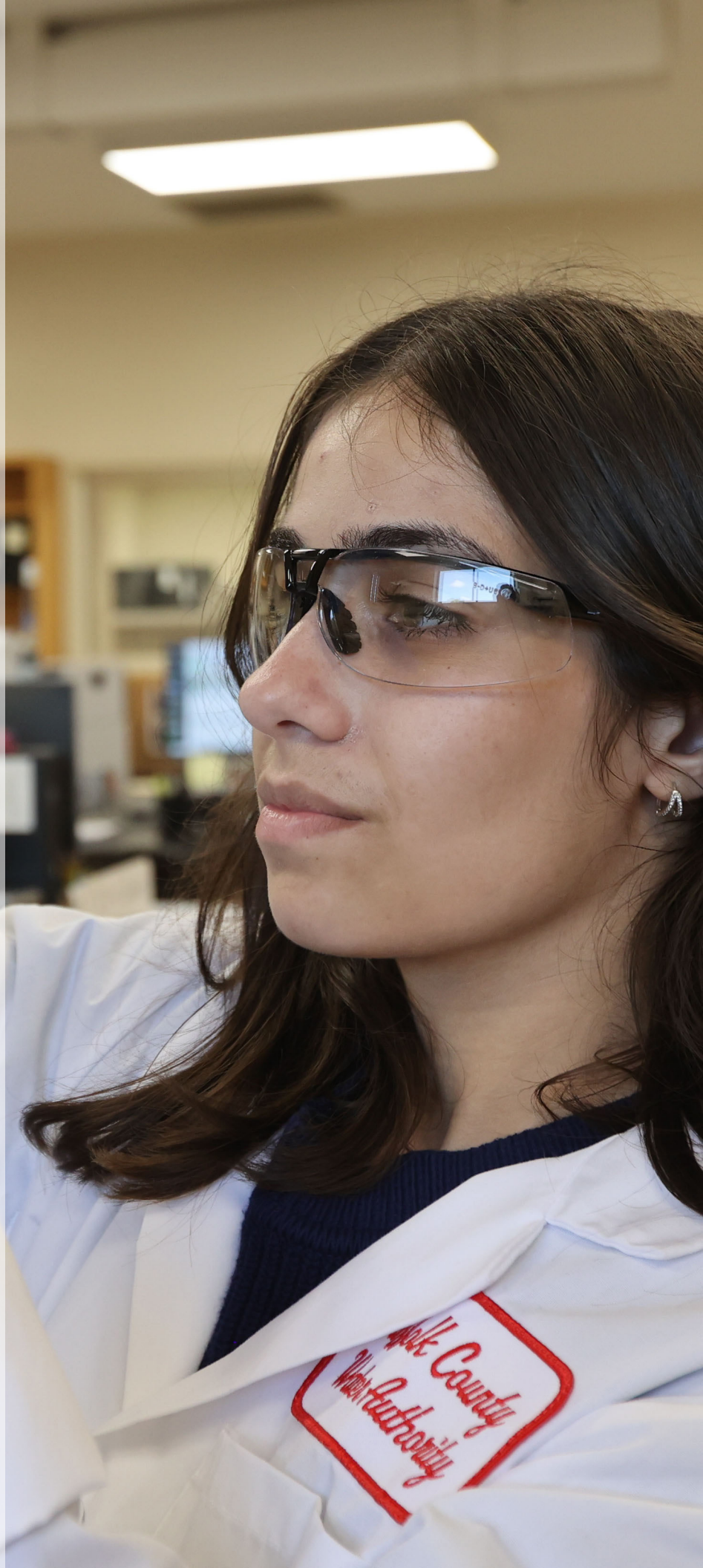
SUFFOLK COUNTY
SCWA
WATER AUTHORITY

# 2023 Drinking Water Quality Report



# 2023 DRINKING WATER QUALITY REPORT

For the period January 1, 2022 to December 31, 2022

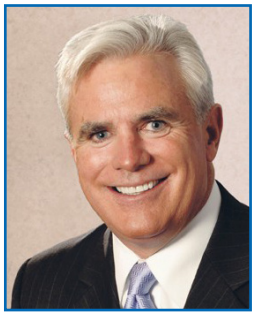
(Including data for Brentwood, Dering Harbor, East Farmingdale, Fair Harbor, Riverside, Stony Brook, and West Neck Water Districts)

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

## TABLE OF CONTENTS



# TO OUR CUSTOMERS



Patrick G. Halpin
Chairman, SCWA

Thomas Schneider
Director,
Water Quality and
Laboratory Services,
SCWA

Patent for
equipment to
determine
1,4 DIOXANE

Thomas Schneider
&
Chris Niebling
Deputy Director Of
Water Quality &
Laboratory Services

Dear Suffolk County Water Authority Customer:

The Suffolk County Water Authority prides itself in maintaining standards for drinking water quality that are more protective than regulations require. 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.

In the following pages, you will find detailed information on the results of the voluminous testing conducted during calendar year 2022 by our laboratory, one of the most sophisticated water quality testing laboratories in the entire country. We test water at the wellhead, at various stages of treatment and within our distribution system for hundreds of chemical constituents. In 2022, we tested for 403 chemical constituents, which is 253 more than required by regulators. We also analyzed 91,251 samples that produced 190,950 tests with 1.7 million results. Again, this is above and beyond what is required.

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

Patrick G. Halpin

Chairman

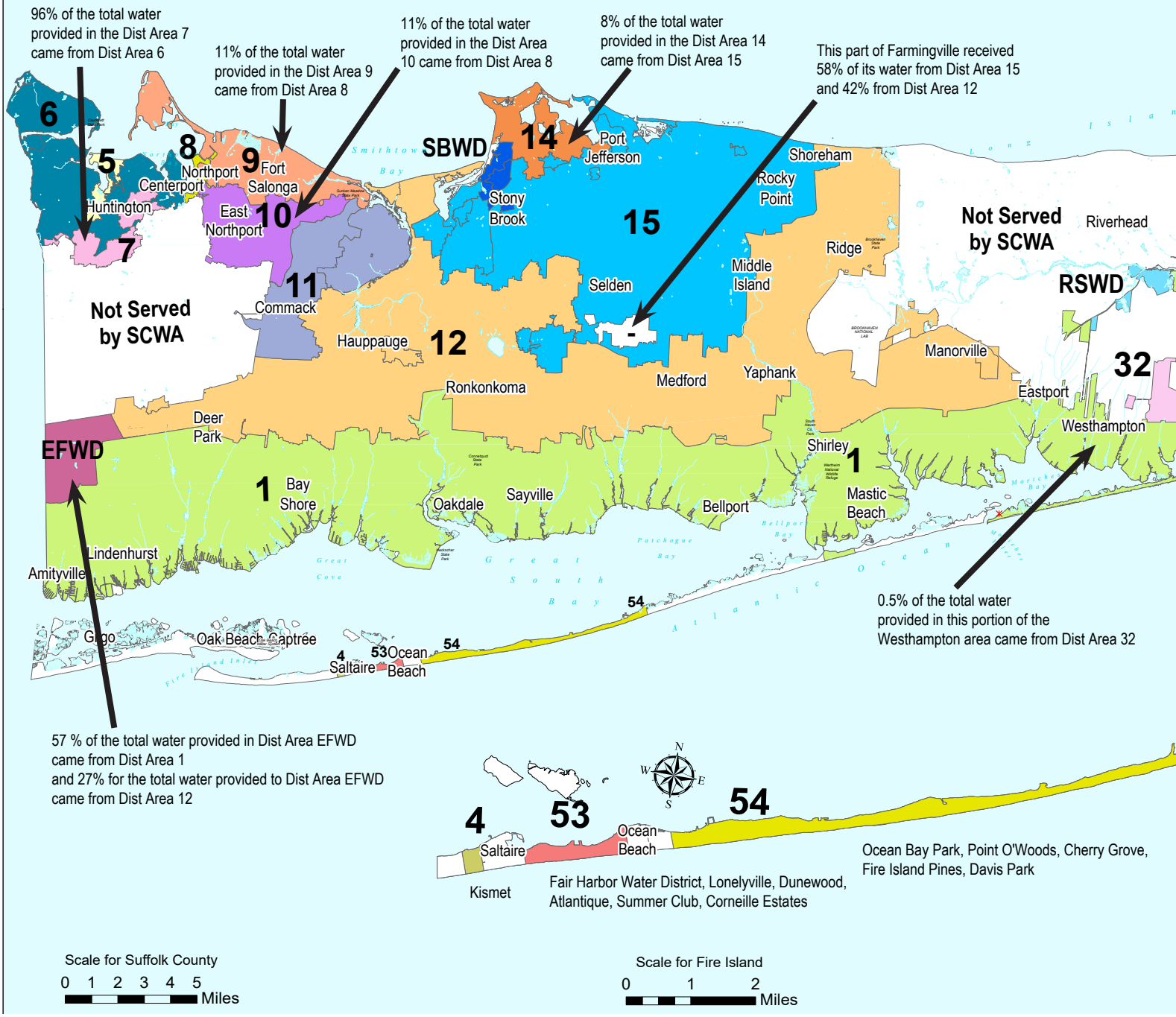
Thomas Schneider
Director, Water Quality and Laboratory Services

# SCWA WATER DISTRIBUTION AREAS

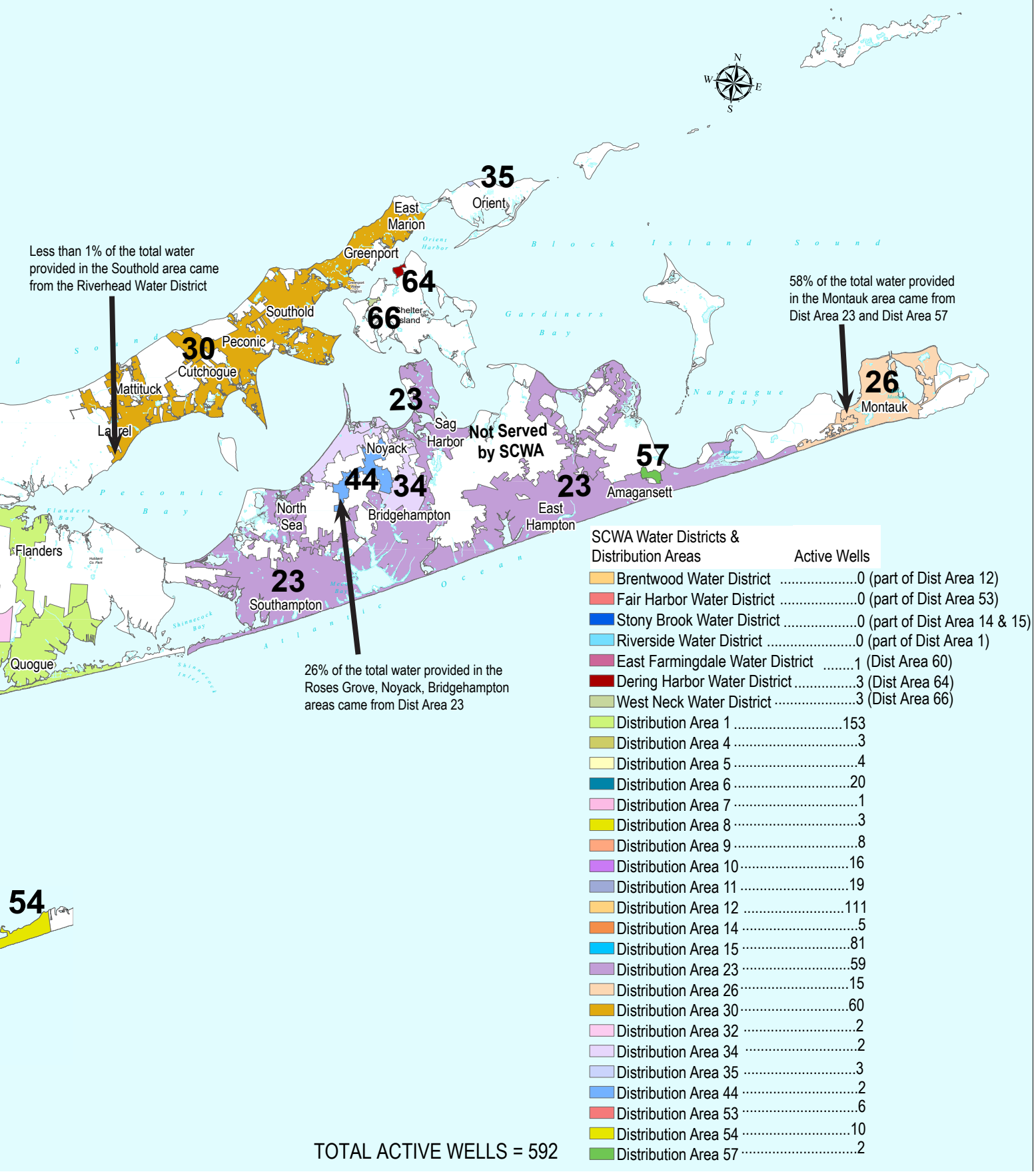
Suffolk County is not flat. In fact, the ground surface elevation across the county varies from sea level to over 300 feet above sea level. Elevation is the key factor in determining water pressure, the lower the ground elevation, the higher the pressure. A single water system could not provide reasonable 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 | 153 |
| Distribution Area 4 | 3 |
| Distribution Area 5 | 4 |
| Distribution Area 6 | 20 |
| Distribution Area 7 | 1 |
| Distribution Area 8 | 3 |
| Distribution Area 9 | 8 |
| Distribution Area 10 | 16 |
| Distribution Area 11 | 19 |
| Distribution Area 12 | 111 |
| Distribution Area 14 | 5 |
| Distribution Area 15 | 81 |
| Distribution Area 23 | 59 |
| Distribution Area 26 | 15 |
| 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 = 592

# 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 44 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 33.

**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).

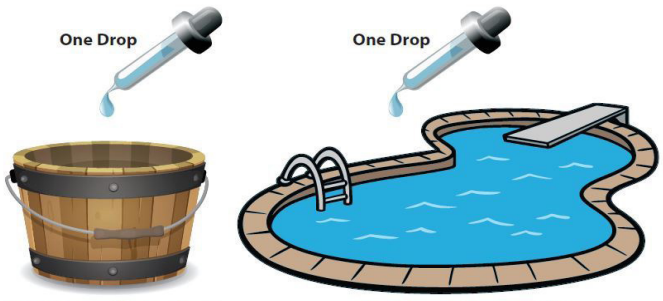
**Picocuries per liter (pCi/L):** Picocuries per liter is a measure of the radioactivity in water.

**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 Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

SCWA Laboratory Method PFAAs

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 1 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 4 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 5 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method** | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 464 | No | ND | ND | ND | 8 | No | ND | ND | ND | 12 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 464 | No | ND | ND | ND | 8 | No | ND | ND | ND | 12 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | 0.012 | ND | 464 | No | ND | ND | ND | 8 | No | ND | ND | ND | 12 |
| Perfluoro-n-hexanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 464 | No | ND | ND | ND | 8 | No | ND | ND | ND | 12 |

EPA Method 533

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 1 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 4 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 5 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533** | | | | | | | | | | | | | | | | | | | |
| 1H,1H,2H,2H-Perfluorooctane Sulfonic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | 0.003 | ND | 248 | No | ND | ND | ND | 5 | No | ND | ND | ND | 6 |
| Perfluorobutanesulfonic Acid | | 50 | 2.0 | ug/L | No | ND | 0.006 | ND | 248 | No | ND | ND | ND | 5 | No | ND | ND | ND | 6 |
| Perfluorobutanoic Acid | | 50 | n/a | ug/L | No | ND | 0.007 | ND | 248 | No | ND | ND | ND | 5 | No | ND | ND | ND | 6 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | 0.010 | ND | 248 | No | ND | ND | ND | 5 | No | ND | ND | ND | 6 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | 0.007 | ND | 248 | No | ND | ND | ND | 5 | No | ND | ND | ND | 6 |
| Perfluorohexanoic Acid | | 50 | n/a | ug/L | No | ND | 0.008 | ND | 248 | No | ND | ND | ND | 5 | No | ND | ND | ND | 6 |
| Perfluoropentanesulfonic Acid | | 50 | n/a | ug/L | No | ND | 0.003 | ND | 248 | No | ND | ND | ND | 5 | No | ND | ND | ND | 6 |
| Perfluoropentanoic Acid | | 50 | n/a | ug/L | No | ND | 0.011 | ND | 248 | No | ND | ND | ND | 5 | No | ND | ND | ND | 6 |

SCWA Laboratory Method PFAAs

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 6 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 7 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 8 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method** | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 52 | No | ND | ND | ND | 5 | No | ND | ND | ND | 8 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 52 | No | ND | ND | ND | 5 | No | ND | ND | ND | 8 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 52 | No | ND | ND | ND | 5 | No | ND | ND | ND | 8 |
| Perfluoro-n-hexanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 52 | No | ND | ND | ND | 5 | No | ND | ND | ND | 8 |

EPA Method 533

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 6 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 7 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 8 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533** | | | | | | | | | | | | | | | | | | | |
| 1H,1H,2H,2H-Perfluorooctane Sulfonic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | NA | NA | NA | 0 | No | ND | ND | ND | 6 |
| Perfluorobutanesulfonic Acid | | 50 | 2.0 | ug/L | No | ND | ND | ND | 20 | No | NA | NA | NA | 0 | No | ND | 0.005 | ND | 6 |
| Perfluorobutanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | NA | NA | NA | 0 | No | ND | ND | ND | 6 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | NA | NA | NA | 0 | No | ND | ND | ND | 6 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | 0.002 | ND | 20 | No | NA | NA | NA | 0 | No | ND | ND | ND | 6 |
| Perfluorohexanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | NA | NA | NA | 0 | No | ND | ND | ND | 6 |
| Perfluoropentanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | NA | NA | NA | 0 | No | ND | ND | ND | 6 |
| Perfluoropentanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | NA | NA | NA | 0 | No | ND | ND | ND | 6 |

SCWA Laboratory Method PFAAs

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 9 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 10 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 11 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method** | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 25 | No | ND | ND | ND | 49 | No | ND | ND | ND | 63 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 25 | No | ND | ND | ND | 49 | No | ND | ND | ND | 63 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 25 | No | ND | ND | ND | 49 | No | ND | ND | ND | 63 |
| Perfluoro-n-hexanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 25 | No | ND | ND | ND | 49 | No | ND | ND | ND | 63 |

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

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 0.05 mg/L.

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

EPA Method 533

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 9 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 10 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 11 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533** | | | | | | | | | | | | | | | | | | | |
| 1H,1H,2H,2H-Perfluorooctane Sulfonic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 16 | No | ND | ND | ND | 21 |
| Perfluorobutanesulfonic Acid | | 50 | 2.0 | ug/L | No | ND | ND | ND | 7 | No | ND | 0.003 | ND | 16 | No | ND | ND | ND | 21 |
| Perfluorobutanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 16 | No | ND | ND | ND | 21 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | 0.004 | ND | 7 | No | ND | ND | ND | 16 | No | ND | ND | ND | 21 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | 0.002 | ND | 16 | No | ND | ND | ND | 21 |
| Perfluorohexanoic Acid | | 50 | n/a | ug/L | No | ND | 0.003 | ND | 7 | No | ND | 0.003 | ND | 16 | No | ND | ND | ND | 21 |
| Perfluoropentanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 16 | No | ND | ND | ND | 21 |
| Perfluoropentanoic Acid | | 50 | n/a | ug/L | No | ND | 0.003 | ND | 7 | No | ND | 0.003 | ND | 16 | No | ND | ND | ND | 21 |

SCWA Laboratory Method PFAAs

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 12 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 14 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 15 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method** | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | 0.010 | ND | 353 | No | ND | ND | ND | 14 | No | ND | ND | ND | 249 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 353 | No | ND | ND | ND | 14 | No | ND | ND | ND | 249 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | 0.022 | ND | 353 | No | ND | ND | ND | 14 | No | ND | 0.020 | ND | 249 |
| Perfluoro-n-hexanoic Acid | | 50 | n/a | ug/L | No | ND | 0.016 | ND | 353 | No | ND | ND | ND | 14 | No | ND | 0.015 | ND | 249 |

EPA Method 533

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 12 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 14 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 15 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533** | | | | | | | | | | | | | | | | | | | |
| 1H,1H,2H,2H-Perfluorooctane Sulfonic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 118 | No | ND | ND | ND | 10 | No | ND | ND | ND | 69 |
| Perfluorobutanesulfonic Acid | | 50 | 2.0 | ug/L | No | ND | 0.003 | ND | 118 | No | ND | ND | ND | 10 | No | ND | ND | ND | 69 |
| Perfluorobutanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 118 | No | ND | ND | ND | 10 | No | ND | ND | ND | 69 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 118 | No | ND | ND | ND | 10 | No | ND | ND | ND | 69 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | 0.005 | ND | 118 | No | ND | ND | ND | 10 | No | ND | 0.003 | ND | 69 |
| Perfluorohexanoic Acid | | 50 | n/a | ug/L | No | ND | 0.003 | ND | 118 | No | ND | ND | ND | 10 | No | ND | 0.003 | ND | 69 |
| Perfluoropentanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 118 | No | ND | ND | ND | 10 | No | ND | ND | ND | 69 |
| Perfluoropentanoic Acid | | 50 | n/a | ug/L | No | ND | 0.003 | ND | 118 | No | ND | ND | ND | 10 | No | ND | 0.004 | ND | 69 |

SCWA Laboratory Method PFAAs

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 23 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 26 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 30 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method** | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | 0.012 | ND | 145 | No | ND | ND | ND | 33 | No | ND | 0.047 | ND | 145 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | 0.012 | ND | 145 | No | ND | ND | ND | 33 | No | ND | ND | ND | 145 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | 0.016 | ND | 145 | No | ND | ND | ND | 33 | No | ND | ND | ND | 145 |
| Perfluoro-n-hexanoic Acid | | 50 | n/a | ug/L | No | ND | 0.022 | ND | 145 | No | ND | 0.022 | ND | 33 | No | ND | 0.097 | ND | 145 |

EPA Method 533

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 23 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 26 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 30 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533** | | | | | | | | | | | | | | | | | | | |
| 1H,1H,2H,2H-Perfluorooctane Sulfonic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | 0.011 | ND | 73 | No | ND | ND | ND | 19 | No | ND | ND | ND | 83 |
| Perfluorobutanesulfonic Acid | | 50 | 2.0 | ug/L | No | ND | ND | ND | 73 | No | ND | ND | ND | 19 | No | ND | 0.002 | ND | 83 |
| Perfluorobutanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 73 | No | ND | 0.006 | ND | 19 | No | ND | ND | ND | 83 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | 0.005 | ND | 73 | No | ND | ND | ND | 19 | No | ND | ND | ND | 83 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | 0.003 | ND | 73 | No | ND | 0.004 | ND | 19 | No | ND | ND | ND | 83 |
| Perfluorohexanoic Acid | | 50 | n/a | ug/L | No | ND | 0.006 | ND | 73 | No | ND | 0.026 | 0.003 | 19 | No | ND | 0.003 | ND | 83 |
| Perfluoropentanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 73 | No | ND | ND | ND | 19 | No | ND | ND | ND | 83 |
| Perfluoropentanoic Acid | | 50 | n/a | ug/L | No | ND | 0.010 | ND | 73 | No | ND | 0.025 | 0.003 | 19 | No | ND | 0.006 | ND | 83 |

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

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 0.05 mg/L.

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

SCWA Laboratory Method PFAAs

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 32 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 34 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 35 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method** | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Perfluoro-n-hexanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |

EPA Method 533

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 32 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 34 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 35 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533** | | | | | | | | | | | | | | | | | | | |
| 1H,1H,2H,2H-Perfluorooctane Sulfonic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 4 | No | ND | ND | ND | 4 |
| Perfluorobutanesulfonic Acid | | 50 | 2.0 | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 4 | No | ND | ND | ND | 4 |
| Perfluorobutanoic Acid | | 50 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 4 | No | ND | ND | ND | 4 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 4 | No | ND | ND | ND | 4 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 4 | No | ND | ND | ND | 4 |
| Perfluorohexanoic Acid | | 50 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 4 | No | ND | ND | ND | 4 |
| Perfluoropentanesulfonic Acid | | 50 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 4 | No | ND | ND | ND | 4 |
| Perfluoropentanoic Acid | | 50 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 4 | No | ND | ND | ND | 4 |

SCWA Laboratory Method PFAAs

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 44 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 53 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 54 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method** | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Perfluoro-n-hexanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |

EPA Method 533

| Detected Compound | Likely Source | MCL | MCLG or HAL* | Unit of Measure | Distribution Area 44 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 53 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 54 Range of Readings Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533** | | | | | | | | | | | | | | | | | | | |
| 1H,1H,2H,2H-Perfluorooctane Sulfonic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 10 | No | ND | ND | ND | 15 |
| Perfluorobutanesulfonic Acid | | 50 | 2.0 | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 10 | No | ND | 0.002 | ND | 15 |
| Perfluorobutanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 10 | No | ND | ND | ND | 15 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 10 | No | ND | ND | ND | 15 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 10 | No | ND | ND | ND | 15 |
| Perfluorohexanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 10 | No | ND | ND | ND | 15 |
| Perfluoropentanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 10 | No | ND | ND | ND | 15 |
| Perfluoropentanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 10 | No | ND | ND | ND | 15 |

SCWA Laboratory Method PFAAs

| Detected Compound | Likely Source | MCL | MCLG or HAL* | 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 | Low | High | Avg. | No. of |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method** | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Perfluoro-n-hexanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |

EPA Method 533

| Detected Compound | Likely Source | MCL | MCLG or HAL* | 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 Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533** | | | | | | | | | | | | | | | | | | | |
| 1H,1H,2H,2H-Perfluorooctane Sulfonic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 6 | No | NA | NA | NA | 0 |
| Perfluorobutanesulfonic Acid | | 50 | 2.0 | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 6 | No | NA | NA | NA | 0 |
| Perfluorobutanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 6 | No | NA | NA | NA | 0 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 6 | No | NA | NA | NA | 0 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 6 | No | NA | NA | NA | 0 |
| Perfluorohexanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 6 | No | NA | NA | NA | 0 |
| Perfluoropentanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 6 | No | NA | NA | NA | 0 |
| Perfluoropentanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 6 | No | NA | NA | NA | 0 |

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

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 0.05 mg/L.

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

| SCWA Laboratory Method PFAAs | | | | | Distribution Area RSWD | | | | | Distribution Area SBWD | | | | | Distribution Area WNWD | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 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 |
| **Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method** | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid | Released into the environment from widespread use in commercial and industrial applications | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Perfluoroheptanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Perfluorohexanesulfonic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Perfluoro-n-hexanoic Acid | | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |

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

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

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 0.05 mg/L.

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

**Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533**

| 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 | 0.008 | ND | 712 | No | ND | ND | ND | 13 | No | ND | ND | ND | 18 |
| Perfluorooctanooic Acid | | *0.010 | n/a | ug/L | No | ND | 0.008 | ND | 712 | No | ND | ND | ND | 13 | No | ND | ND | ND | 18 |

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

| 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 | 0.002 | ND | 32 | No | ND | 0.010 | ND | 65 | No | ND | 0.004 | ND | 84 |
| Perfluorooctanooic Acid | | *0.010 | n/a | ug/L | No | ND | ND | ND | 32 | No | ND | ND | ND | 65 | No | ND | 0.005 | ND | 84 |

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

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

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

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

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

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 0.05 mg/L.

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

**Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by NYS Approved SCWA PFAAS Method & EPA Method 533**

| 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 | 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 | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 45 |
| Perfluorooctanooic Acid | | *0.010 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 45 |

| 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 | 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 | 10 | No | ND | 0.002 | ND | 18 | No | ND | ND | ND | 6 |
| Perfluorooctanooic Acid | | *0.010 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 18 | 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 | 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 | 2 | No | ND | ND | ND | 4 | No | ND | 0.006 | ND | 12 |
| Perfluorooctanooic Acid | | *0.010 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | 0.006 | 0.002 | 12 |

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

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

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 0.05 mg/L.

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Pharmaceuticals and Personal Care Products (PPCPs) Monitoring

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

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

The detection and quantification of these chemicals has only recently been possible due to advances in laboratory testing technology. Presently the EPA has no health standards or guidelines for PPCPs in drinking water and does not require testing. In 2022 all of our wells were tested for 37 PPCPs; Acesulfame-K, Carbamazepine, Dilantin, Gemfibrozil, Glycyrrhic Acid, Ibuprofen, Meprobamate, Phenobarbital, 5-(4-Hydroxyphenyl)-5-Phenylhydantoin, Imidacloprid, Primidone, Saccharin, Sodium Cyclamate, Sucralose and Sulfamethoxazole were detected. The concentrations found are at levels far below medical doses, and have no known health effects.

Wherever possible, we are using granular activated carbon filtration and blending wells to remove these trace levels from the water we provide to you. Information on these pharmaceutical drugs and the results for each distribution area can be found in the tables below and on pages 13-14.

| 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 |
| **Synthetic Organic Compounds including Pesticides and Pharmaceuticals** | | | | | | | | | | | | | | | | | | | |
| Acesulfame-K | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 2.69 | 0.06 | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Carbamazepine | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Dilantin | Antiepileptic drug | 50 | n/a | ug/L | No | ND | 0.10 | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Gemfibrozil | Lipid lowering drug | 50 | n/a | ug/L | No | ND | 0.05 | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Glycyrrhizic Acid | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.09 | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| 5-(4-Hydroxyphenyl)-5-Phenylhydantoin | Used for determining drug levels in the body | 50 | n/a | ug/L | No | ND | 0.45 | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Ibuprofen | Anti-inflammatory drug | 50 | n/a | ug/L | No | ND | ND | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Imidacloprid | Used as a pesticide | 50 | n/a | ug/L | No | ND | ND | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Meprobamate | Antianxiety drug | 50 | n/a | ug/L | No | ND | ND | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Phenobarbital | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | 0.15 | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Primidone | Pharmaceutical anticonvulsant drug | 50 | n/a | ug/L | No | ND | 0.11 | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Saccharin | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.07 | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Sodium Cyclamate | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.46 | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Sucralose | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 3.67 | 0.09 | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Sulfamethoxazole | Antibiotic | 50 | n/a | ug/L | No | ND | 0.05 | ND | 358 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |

| 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 |
| **Synthetic Organic Compounds including Pesticides and Pharmaceuticals** | | | | | | | | | | | | | | | | | | | |
| Acesulfame-K | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.32 | ND | 45 | No | ND | ND | ND | 4 | No | ND | 0.08 | ND | 8 |
| Carbamazepine | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Dilantin | Antiepileptic drug | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Gemfibrozil | Lipid lowering drug | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Glycyrrhizic Acid | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| 5-(4-Hydroxyphenyl)-5-Phenylhydantoin | Used for determining drug levels in the body | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Ibuprofen | Anti-inflammatory drug | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Imidacloprid | Used as a pesticide | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Meprobamate | Antianxiety drug | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Phenobarbital | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Primidone | Pharmaceutical anticonvulsant drug | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Saccharin | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Sodium Cyclamate | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Sucralose | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.21 | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Sulfamethoxazole | Antibiotic | 50 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |

| Detected Compound | Likely Source | MCL | MCLG | Unit of Measure | Distribution Area 9 | | | | | Distribution Area 10 | | | | | Distribution Area 11 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Range of Readings | | | | | Range of Readings | | | | | Range of Readings | | | | |
| | | | | | Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
| **Synthetic Organic Compounds including Pesticides and Pharmaceuticals** | | | | | | | | | | | | | | | | | | | |
| Acesulfame-K | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.08 | ND | 20 | No | ND | 0.20 | 0.05 | 36 | No | ND | 0.92 | 0.08 | 46 |
| Carbamazepine | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| Dilantin | Antiepileptic drug | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| Gemfibrozil | Lipid lowering drug | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| Glycyrrhizic Acid | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| 5-(4-Hydroxyphenyl)-5-Phenylhydantoin | Used for determining drug levels in the body | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| Ibuprofen | Anti-inflammatory drug | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| Imidacloprid | Used as a pesticide | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| Meprobamate | Antianxiety drug | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| Phenobarbital | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| Primidone | Pharmaceutical anticonvulsant drug | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| Saccharin | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |
| Sodium Cyclamate | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | 0.31 | ND | 46 |
| Sucralose | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | 0.47 | ND | 46 |
| Sulfamethoxazole | Antibiotic | 50 | n/a | ug/L | No | ND | ND | ND | 20 | No | ND | ND | ND | 36 | No | ND | ND | ND | 46 |

# WATER QUALITY DATA BY DISTRIBUTION AREA

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

| Detected Compound | Likely Source | MCL | MCLG | Unit of Measure | Distribution Area 12 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 14 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 15 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Synthetic Organic Compounds including Pesticides and Pharmaceuticals** | | | | | | | | | | | | | | | | | | | |
| Acesulfame-K | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 2.86 | 0.16 | 287 | No | ND | 0.83 | 0.10 | 17 | No | ND | 3.63 | 0.40 | 201 |
| Carbamazepine | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 287 | No | ND | ND | ND | 17 | No | ND | 0.10 | ND | 201 |
| Dilantin | Antiepileptic drug | 50 | n/a | ug/L | No | ND | ND | ND | 287 | No | ND | ND | ND | 17 | No | ND | ND | ND | 201 |
| Gemfibrozil | Lipid lowering drug | 50 | n/a | ug/L | No | ND | 0.26 | ND | 287 | No | ND | ND | ND | 17 | No | ND | ND | ND | 201 |
| Glycyrrhizic Acid | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 287 | No | ND | ND | ND | 17 | No | ND | ND | ND | 201 |
| 5-(4-Hydroxyphenyl)-5-Phenylhydantoin | Used for determining drug levels in the body | 50 | n/a | ug/L | No | ND | 0.23 | ND | 287 | No | ND | ND | ND | 17 | No | ND | ND | ND | 201 |
| Ibuprofen | Anti-inflammatory drug | 50 | n/a | ug/L | No | ND | 0.06 | ND | 287 | No | ND | ND | ND | 17 | No | ND | ND | ND | 201 |
| Imidacloprid | Used as a pesticide | 50 | n/a | ug/L | No | ND | 0.09 | ND | 287 | No | ND | ND | ND | 17 | No | ND | ND | ND | 201 |
| Meprobamate | Antianxiety drug | 50 | n/a | ug/L | No | ND | 0.08 | ND | 287 | No | ND | ND | ND | 17 | No | ND | 0.06 | ND | 201 |
| Phenobarbital | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 287 | No | ND | ND | ND | 17 | No | ND | ND | ND | 201 |
| Primidone | Pharmaceutical anticonvulsant drug | 50 | n/a | ug/L | No | ND | ND | ND | 287 | No | ND | ND | ND | 17 | No | ND | ND | ND | 201 |
| Saccharin | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.06 | ND | 287 | No | ND | 0.06 | ND | 17 | No | ND | 0.05 | ND | 201 |
| Sodium Cyclamate | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.07 | ND | 287 | No | ND | ND | ND | 17 | No | ND | ND | ND | 201 |
| Sucralose | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 4.60 | 0.28 | 287 | No | ND | 0.32 | 0.06 | 17 | No | ND | 3.83 | 0.43 | 201 |
| Sulfamethoxazole | Antibiotic | 50 | n/a | ug/L | No | ND | ND | ND | 287 | No | ND | ND | ND | 17 | No | ND | ND | ND | 201 |

| Detected Compound | Likely Source | MCL | MCLG | Unit of Measure | Distribution Area 23 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 26 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 30 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 | 0.70 | 0.13 | 128 | No | ND | 2.25 | 0.45 | 33 | No | ND | 0.79 | 0.10 | 137 |
| Carbamazepine | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 33 | No | ND | ND | ND | 137 |
| Dilantin | Antiepileptic drug | 50 | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 33 | No | ND | ND | ND | 137 |
| Gemfibrozil | Lipid lowering drug | 50 | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 33 | No | ND | ND | ND | 137 |
| Glycyrrhizic Acid | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 33 | No | ND | ND | ND | 137 |
| 5-(4-Hydroxyphenyl)-5-Phenylhydantoin | Used for determining drug levels in the body | 50 | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 33 | No | ND | ND | ND | 137 |
| Ibuprofen | Anti-inflammatory drug | 50 | n/a | ug/L | No | ND | 0.17 | ND | 128 | No | ND | ND | ND | 33 | No | ND | ND | ND | 137 |
| Imidacloprid | Used as a pesticide | 50 | n/a | ug/L | No | ND | 0.11 | ND | 128 | No | ND | ND | ND | 33 | No | ND | 0.10 | ND | 137 |
| Meprobamate | Antianxiety drug | 50 | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 33 | No | ND | ND | ND | 137 |
| Phenobarbital | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 33 | No | ND | ND | ND | 137 |
| Primidone | Pharmaceutical anticonvulsant drug | 50 | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 33 | No | ND | ND | ND | 137 |
| Saccharin | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | 2.14 | 0.14 | 33 | No | ND | ND | ND | 137 |
| Sodium Cyclamate | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.06 | ND | 128 | No | ND | 0.13 | ND | 33 | No | ND | ND | ND | 137 |
| Sucralose | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 2.33 | 0.18 | 128 | No | ND | 1.39 | 0.40 | 33 | No | ND | 0.95 | 0.16 | 137 |
| Sulfamethoxazole | Antibiotic | 50 | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 33 | No | ND | ND | ND | 137 |

| Detected Compound | Likely Source | MCL | MCLG | Unit of Measure | Distribution Area 32 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 34 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 35 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 | 0.06 | ND | 6 | No | ND | 0.05 | ND | 6 | No | ND | ND | ND | 10 |
| Carbamazepine | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Dilantin | Antiepileptic drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Gemfibrozil | Lipid lowering drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Glycyrrhizic Acid | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| 5-(4-Hydroxyphenyl)-5-Phenylhydantoin | Used for determining drug levels in the body | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Ibuprofen | Anti-inflammatory drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Imidacloprid | Used as a pesticide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Meprobamate | Antianxiety drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Phenobarbital | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Primidone | Pharmaceutical anticonvulsant drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Saccharin | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Sodium Cyclamate | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Sucralose | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 1.01 | 0.23 | 6 | No | ND | 0.10 | 0.05 | 6 | No | ND | 0.83 | 0.11 | 10 |
| Sulfamethoxazole | Antibiotic | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |

| Detected Compound | Likely Source | MCL | MCLG | Unit of Measure | Distribution Area 44 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 53 Range of Readings: Violation Yes/No | Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 54 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 | 0.10 | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Carbamazepine | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Dilantin | Antiepileptic drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Gemfibrozil | Lipid lowering drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Glycyrrhizic Acid | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| 5-(4-Hydroxyphenyl)-5-Phenylhydantoin | Used for determining drug levels in the body | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Ibuprofen | Anti-inflammatory drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Imidacloprid | Used as a pesticide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Meprobamate | Antianxiety drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Phenobarbital | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Primidone | Pharmaceutical anticonvulsant drug | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Saccharin | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Sodium Cyclamate | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Sucralose | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.26 | 0.12 | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |
| Sulfamethoxazole | Antibiotic | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 31 |

# WATER QUALITY DATA BY DISTRIBUTION AREA

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

| 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 |
| **Synthetic Organic Compounds including Pesticides and Pharmaceuticals** | | | | | | | | | | | | | | | | | | | |
| Acesulfame-K | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.19 | 0.11 | 7 | No | ND | 0.13 | 0.07 | 14 | No | ND | ND | ND | 6 |
| Carbamazepine | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| Dilantin | Antiepileptic drug | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| Gemfibrozil | Lipid lowering drug | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| Glycyrrhizic Acid | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| 5-(4-Hydroxyphenyl)-5-Phenylhydantoin | Used for determining drug levels in the body | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| Ibuprofen | Anti-inflammatory drug | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| Imidacloprid | Used as a pesticide | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| Meprobamate | Antianxiety drug | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| Phenobarbital | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| Primidone | Pharmaceutical anticonvulsant drug | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| Saccharin | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | 0.09 | ND | 14 | No | ND | ND | ND | 6 |
| Sodium Cyclamate | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | 0.34 | ND | 14 | No | ND | ND | ND | 6 |
| Sucralose | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | 0.57 | 0.25 | 7 | No | ND | 0.30 | 0.11 | 14 | No | ND | ND | ND | 6 |
| Sulfamethoxazole | Antibiotic | 50 | n/a | ug/L | No | ND | ND | ND | 7 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |

| 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 |
| **Synthetic Organic Compounds including Pesticides and Pharmaceuticals** | | | | | | | | | | | | | | | | | | | |
| Acesulfame-K | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | 0.11 | 0.05 | 5 | No | ND | 0.69 | 0.17 | 12 |
| Carbamazepine | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| Dilantin | Antiepileptic drug | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| Gemfibrozil | Lipid lowering drug | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| Glycyrrhizic Acid | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| 5-(4-Hydroxyphenyl)-5-Phenylhydantoin | Used for determining drug levels in the body | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| Ibuprofen | Anti-inflammatory drug | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | 0.18 | ND | 12 |
| Imidacloprid | Used as a pesticide | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| Meprobamate | Antianxiety drug | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| Phenobarbital | Anticonvulsant, mood stabilizing drug | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| Primidone | Pharmaceutical anticonvulsant drug | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| Saccharin | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| Sodium Cyclamate | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |
| Sucralose | Incomplete removal during wastewater treatment, home septic | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | 0.24 | 0.08 | 5 | No | ND | 1.64 | 0.33 | 12 |
| Sulfamethoxazole | Antibiotic | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 5 | No | ND | ND | ND | 12 |

## SAFE DISPOSAL OF PHARMACEUTICALS

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

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

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

| 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 | 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 |
| **Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)** | | | | | | | | | | | | | | | | | | | |
| Bromochloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | ND | 0.96 | ND | 6 | No | ND | ND | ND | 4 | No | NA | NA | NA | 0 |
| Bromodichloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 4 | No | NA | NA | NA | 0 |
| Bromodichloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 3.37 | ND | 189 | No | ND | 0.48 | ND | 14 | No | ND | ND | ND | 10 |
| Bromoform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 0.87 | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Chlorate | Byproduct of chlorination | n/a | n/a | mg/L | No | 0.03 | 0.12 | 0.08 | 48 | No | 0.06 | 0.08 | 0.07 | 4 | No | 0.04 | 0.09 | 0.07 | 9 |
| Chloroform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 3.97 | ND | 189 | No | ND | 0.51 | ND | 14 | No | ND | 0.27 | ND | 10 |
| Dibromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | 0.49 | ND | 6 | No | ND | ND | ND | 4 | No | NA | NA | NA | 0 |
| Dibromochloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 2.70 | ND | 189 | No | ND | 0.46 | ND | 14 | No | ND | ND | ND | 10 |
| Dichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | 1.25 | ND | 6 | No | ND | ND | ND | 4 | No | NA | NA | NA | 0 |
| Free Chlorine | Used as a disinfectant | 4 | n/a | mg/L | No | 0.31 | 1.69 | 0.97 | 706 | No | 0.43 | 1.26 | 0.91 | 156 | No | 0.75 | 1.46 | 1.05 | 62 |
| Monobromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 4 | No | NA | NA | NA | 0 |
| Monochloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 4 | No | NA | NA | NA | 0 |
| Trichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | 0.69 | ND | 6 | No | ND | ND | ND | 4 | No | NA | NA | NA | 0 |
| **(*MCL is the sum of the starred compounds shown above)** | | | | | | | | | | | | | | | | | | | |

| 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 |
| **Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)** | | | | | | | | | | | | | | | | | | | |
| Bromochloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 10 | No | ND | ND | ND | 6 |
| Bromodichloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 10 | No | ND | ND | ND | 6 |
| Bromodichloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 4.35 | ND | 81 | No | ND | 0.64 | ND | 121 | No | ND | 1.23 | ND | 193 |
| Bromoform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 1.01 | ND | 81 | No | ND | 0.79 | ND | 121 | No | ND | 1.56 | ND | 193 |
| Chlorate | Byproduct of chlorination | n/a | n/a | mg/L | No | 0.06 | 0.16 | 0.09 | 19 | No | 0.03 | 0.15 | 0.08 | 38 | No | 0.03 | 0.24 | 0.08 | 44 |
| Chloroform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 7.33 | 0.58 | 81 | No | ND | 1.01 | 0.34 | 121 | No | ND | 1.38 | ND | 192 |
| Dibromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 10 | No | ND | ND | ND | 6 |
| Dibromochloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 2.74 | ND | 81 | No | ND | 0.63 | ND | 121 | No | ND | 1.61 | ND | 193 |
| Dichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 10 | No | ND | ND | ND | 6 |
| Free Chlorine | Used as a disinfectant | 4 | n/a | mg/L | No | 0.42 | 1.38 | 0.96 | 347 | No | 0.40 | 1.55 | 0.89 | 673 | No | 0.61 | 1.54 | 1.02 | 543 |
| Monobromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | 3.65 | 2.03 | 2 | No | ND | ND | ND | 10 | No | ND | ND | ND | 6 |
| Monochloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | 1.80 | ND | 10 | No | ND | ND | ND | 6 |
| Trichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 10 | No | ND | ND | ND | 6 |
| **(*MCL is the sum of the starred compounds shown above)** | | | | | | | | | | | | | | | | | | | |

| 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 | 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 |
| **Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)** | | | | | | | | | | | | | | | | | | | |
| Bromochloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | ND | 2.85 | ND | 40 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Bromodichloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | ND | 1.48 | ND | 40 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Bromodichloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 10.31 | 0.29 | 539 | No | ND | 0.97 | 0.28 | 22 | No | ND | 1.89 | ND | 338 |
| Bromoform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 6.06 | ND | 539 | No | ND | 0.35 | ND | 22 | No | ND | 1.86 | ND | 338 |
| Chlorate | Byproduct of chlorination | n/a | n/a | mg/L | No | ND | 0.55 | 0.11 | 310 | No | 0.05 | 0.15 | 0.08 | 14 | No | ND | 1.54 | 0.15 | 226 |
| Chloroform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 10.13 | 0.46 | 542 | No | ND | 1.27 | 0.42 | 22 | No | ND | 2.61 | 0.49 | 340 |
| Dibromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | 1.53 | ND | 40 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Dibromochloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 9.73 | 0.28 | 539 | No | ND | 0.86 | ND | 22 | No | ND | 1.61 | ND | 338 |
| Dichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | 4.24 | ND | 40 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Free Chlorine | Used as a disinfectant | 4 | n/a | mg/L | No | 0.40 | 1.90 | 0.96 | 2,749 | No | 0.38 | 1.39 | 0.95 | 267 | No | 0.25 | 1.91 | 0.97 | 2,052 |
| Monobromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 40 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Monochloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | 1.31 | ND | 40 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Trichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | 1.05 | ND | 40 | No | ND | ND | ND | 4 | No | ND | 0.45 | ND | 12 |
| **(*MCL is the sum of the starred compounds shown above)** | | | | | | | | | | | | | | | | | | | |

# WATER QUALITY DATA BY DISTRIBUTION AREA

## Disinfectants and Disinfection Byproducts (cont'd)

| 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 | 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 | 11 | No | ND | 1.16 | ND | 4 | No | ND | 2.04 | ND | 10 |
| Bromodichloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | ND | ND | ND | 11 | No | ND | 0.92 | ND | 4 | No | ND | ND | ND | 10 |
| Bromodichloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 2.34 | ND | 216 | No | ND | 3.25 | 0.42 | 68 | No | ND | 3.92 | 0.29 | 193 |
| Bromoform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 3.70 | ND | 216 | No | ND | 2.50 | 0.33 | 68 | No | ND | 2.95 | 0.32 | 193 |
| Chlorate | Byproduct of chlorination | n/a | n/a | mg/L | No | 0.04 | 0.55 | 0.14 | 129 | No | 0.10 | 0.25 | 0.16 | 35 | No | ND | 0.83 | 0.14 | 117 |
| Chloroform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 5.72 | 1.12 | 216 | No | ND | 5.96 | 1.03 | 68 | No | ND | 11.80 | 0.60 | 193 |
| Dibromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | 1.00 | 0.44 | 11 | No | ND | 0.98 | 0.58 | 4 | No | 0.48 | 1.74 | 1.03 | 10 |
| Dibromochloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 2.56 | ND | 216 | No | ND | 4.32 | 0.52 | 68 | No | ND | 5.00 | 0.41 | 193 |
| Dichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 11 | No | ND | ND | ND | 4 | No | ND | 1.92 | ND | 10 |
| Free Chlorine | Used as a disinfectant | 4 | n/a | mg/L | No | 0.31 | 1.86 | 0.91 | 1,255 | No | 0.39 | 1.41 | 0.88 | 261 | No | 0.08 | 1.70 | 0.90 | 845 |
| Monobromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 11 | No | ND | ND | ND | 4 | No | ND | ND | ND | 10 |
| Monochloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 11 | No | ND | ND | ND | 4 | No | ND | ND | ND | 10 |
| Trichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 11 | No | ND | ND | ND | 4 | No | ND | 0.96 | ND | 10 |
| **(*MCL is the sum of the starred compounds shown above)** | | | | | | | | | | | | | | | | | | | |

| 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 | 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 | NA | NA | NA | 0 | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 |
| Bromodichloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 |
| Bromodichloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | 1.01 | ND | 10 | No | ND | 0.93 | ND | 34 |
| Bromoform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | 0.30 | ND | 10 | No | ND | 0.52 | ND | 34 |
| Chlorate | Byproduct of chlorination | n/a | n/a | mg/L | No | 0.06 | 0.30 | 0.16 | 6 | No | 0.07 | 0.14 | 0.10 | 6 | No | 0.09 | 0.19 | 0.13 | 10 |
| Chloroform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 3.26 | 1.11 | 8 | No | 1.15 | 2.54 | 2.02 | 10 | No | ND | 0.47 | ND | 34 |
| Dibromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 |
| Dibromochloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | 0.97 | ND | 10 | No | ND | 1.38 | ND | 34 |
| Dichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 |
| Free Chlorine | Used as a disinfectant | 4 | n/a | mg/L | No | 0.41 | 1.35 | 0.89 | 59 | No | 0.47 | 1.55 | 0.91 | 106 | No | 0.66 | 1.54 | 1.08 | 100 |
| Monobromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 |
| Monochloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 |
| Trichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 | No | NA | NA | NA | 0 |
| **(*MCL is the sum of the starred compounds shown above)** | | | | | | | | | | | | | | | | | | | |

| 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 | 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 | NA | NA | NA | 0 | No | ND | ND | ND | 8 | No | ND | ND | ND | 4 |
| Bromodichloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | 0.98 | ND | 8 | No | ND | ND | ND | 4 |
| Bromodichloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 1.25 | 0.27 | 10 | No | ND | 1.94 | 0.62 | 30 | No | ND | 1.65 | 0.38 | 35 |
| Bromoform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 0.65 | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Chlorate | Byproduct of chlorination | n/a | n/a | mg/L | No | 0.07 | 0.18 | 0.12 | 6 | No | 0.02 | 0.19 | 0.06 | 30 | No | 0.02 | 0.84 | 0.10 | 64 |
| Chloroform | Byproduct of chlorination | **80 | n/a | ug/L | No | 0.26 | 2.15 | 1.64 | 10 | No | ND | 6.18 | 1.55 | 30 | No | ND | 10.71 | 1.19 | 35 |
| Dibromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 8 | No | ND | ND | ND | 4 |
| Dibromochloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 1.61 | 0.31 | 10 | No | ND | 0.81 | ND | 30 | No | ND | 0.56 | ND | 35 |
| Dichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | 3.22 | 2.03 | 8 | No | ND | 1.31 | ND | 4 |
| Free Chlorine | Used as a disinfectant | 4 | n/a | mg/L | No | 0.46 | 1.32 | 0.83 | 56 | No | 0.58 | 1.50 | 0.99 | 80 | No | 0.29 | 1.64 | 0.95 | 144 |
| Monobromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 8 | No | ND | ND | ND | 4 |
| Monochloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 8 | No | ND | ND | ND | 4 |
| Trichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | 4.19 | 2.40 | 8 | No | 0.45 | 1.45 | 0.81 | 4 |
| **(*MCL is the sum of the starred compounds shown above)** | | | | | | | | | | | | | | | | | | | |

| 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 | 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 | NA | NA | NA | 0 | No | ND | ND | ND | 3 | No | ND | ND | ND | 12 |
| Bromodichloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 3 | No | ND | ND | ND | 12 |
| Bromodichloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 2.83 | 0.38 | 18 | No | ND | 2.37 | 0.32 | 17 | No | ND | 1.56 | 0.66 | 22 |
| Bromoform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 1.49 | 0.25 | 18 | No | ND | 2.08 | 0.26 | 17 | No | ND | 0.75 | ND | 22 |
| Chlorate | Byproduct of chlorination | n/a | n/a | mg/L | No | 0.07 | 0.28 | 0.17 | 6 | No | 0.10 | 0.17 | 0.13 | 13 | No | 0.05 | 0.15 | 0.09 | 14 |
| Chloroform | Byproduct of chlorination | **80 | n/a | ug/L | No | 0.29 | 3.28 | 2.32 | 18 | No | 1.08 | 3.24 | 2.33 | 17 | No | ND | 1.79 | 0.74 | 22 |
| Dibromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | 0.52 | ND | 3 | No | ND | ND | ND | 12 |
| Dibromochloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 3.14 | 0.42 | 18 | No | ND | 3.43 | 0.39 | 17 | No | ND | 1.16 | 0.54 | 22 |
| Dichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 3 | No | ND | ND | ND | 12 |
| Free Chlorine | Used as a disinfectant | 4 | n/a | mg/L | No | 0.39 | 1.31 | 0.76 | 56 | No | 0.70 | 1.20 | 1.03 | 30 | No | 0.53 | 1.27 | 0.88 | 169 |
| Monobromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 3 | No | ND | ND | ND | 12 |
| Monochloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 3 | No | ND | ND | ND | 12 |
| Trichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | NA | NA | NA | 0 | No | ND | ND | ND | 3 | No | ND | ND | ND | 12 |
| **(*MCL is the sum of the starred compounds shown above)** | | | | | | | | | | | | | | | | | | | |

## 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 | NA | NA | NA | 0 |
| Bromodichloroacetic Acid | Byproduct of chlorination | 50 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 8 | No | NA | NA | NA | 0 |
| Bromodichloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 0.91 | 0.38 | 12 | No | ND | 0.60 | 0.26 | 14 | No | ND | 0.50 | ND | 16 |
| Bromoform | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | 0.41 | ND | 16 |
| Chlorate | Byproduct of chlorination | n/a | n/a | mg/L | No | 0.04 | 0.09 | 0.07 | 10 | No | 0.04 | 0.17 | 0.08 | 12 | No | 0.02 | 0.23 | 0.13 | 14 |
| Chloroform | Byproduct of chlorination | **80 | n/a | ug/L | No | 0.51 | 1.50 | 0.95 | 12 | No | ND | 0.70 | 0.43 | 14 | No | ND | 21.51 | 3.37 | 16 |
| Dibromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 8 | No | NA | NA | NA | 0 |
| Dibromochloromethane | Byproduct of chlorination | **80 | n/a | ug/L | No | ND | 0.67 | 0.31 | 12 | No | ND | 0.44 | ND | 14 | No | ND | 0.67 | ND | 16 |
| Dichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 8 | No | NA | NA | NA | 0 |
| Free Chlorine | Used as a disinfectant | 4 | n/a | mg/L | No | 0.31 | 1.18 | 0.83 | 56 | No | 0.35 | 1.77 | 0.87 | 105 | No | 0.75 | 1.35 | 1.05 | 17 |
| Monobromoacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 8 | No | NA | NA | NA | 0 |
| Monochloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 8 | No | NA | NA | NA | 0 |
| Trichloroacetic Acid | Byproduct of chlorination | *60 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 8 | No | NA | NA | NA | 0 |
| **(*MCL is the sum of the starred compounds shown above)** | | | | | | | | | | | | | | | | | | | |

## Lead

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

## Lead and Copper Rule (LCR) Monitoring

This EPA regulation requires public water systems to monitor drinking water at specific customers' taps every three years. To check the effectiveness of our pH treatment and to ensure the quality of our drinking water the SCWA performs this testing every year. If lead levels exceed 15 parts per billion (ppb) or copper levels exceed 1.3 parts per million (ppm) in more than 10% of these samples, we must improve our corrosion control (pH treatment). Based on our 2022 LCR results, we have optimal corrosion control. Additional information on our pH treatment can be found on page 41.

## 2022 Lead and Copper Test Results

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

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

| Location | Violation Yes/No | Date of Sampling | Number of Samples | Results ug/l | 90th Percentile Value (ug/l)[1,2] | No. of Samples Over Action Level |
|---|---|---|---|---|---|---|
| SCWA | No | 7/07-9/09 | 52 | ND-5.93 | 2.32 | 0 |
| Fire Island | No | 7/14-8/17 | 25 | ND-19.1 | 3.99 | 1 |
| Stony Brook | No | 8/23-8/29 | 21 | ND-1.22 | 1.14 | 0 |
| Riverside | No | 8/03-8/15 | 14 | ND-3.56 | ND | 0 |
| E. Farmingdale | No | 8/15-9/01 | 23 | ND-4.00 | 1.53 | 0 |
| Dering Harbor | No | 8/03-8/05 | 6 | ND-ND | ND | 0 |
| West Neck | No | 8/03-8/31 | 5 | ND-ND | ND | 0 |

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

(2) - In this case, 146 total samples were collected from the water systems shown above and the 90th percentile values ranged from ND to 19.1 ug/l for lead. The action level for lead was exceeded at one of the 146 sites tested, on Fire Island, as noted above.

| 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 | 7/07-9/09 | 52 | ND-1.16 | 0.454 | 0 |
| Fire Island | No | 7/14-8/17 | 25 | ND-3.48 | 0.506 | 1 |
| Stony Brook | No | 8/23-8/29 | 21 | 0.0767-0.817 | 0.421 | 0 |
| Riverside | No | 8/03-8/15 | 14 | 0.0349-0.556 | 0.421 | 0 |
| E. Farmingdale | No | 8/15-9/01 | 23 | 0.0569-0.267 | 0.207 | 0 |
| Dering Harbor | No | 8/03-8/05 | 6 | 0.0278-0.301 | 0.245 | 0 |
| West Neck | No | 8/03-8/31 | 5 | 0.0679-0.792 | 0.786 | 0 |

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

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

# WATER QUALITY DATA BY DISTRIBUTION AREA

*Naturally Occuring Compounds as well as Contaminants*

| 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 | High Value | Avg. Value | No. of Tests | Violation Yes/No | Range of Readings Low Value | High Value | Avg. Value | No. of Tests | Violation Yes/No | Range of Readings Low Value | High Value | Avg. Value | No. of Tests |
| **Inorganics** | | | | | | | | | | | | | | | | | | | |
| Alkalinity to pH 4.5 mg CaCO3/L | Naturally occurring | n/a | n/a | mg/L | No | ND | 102.6 | 35.9 | 346 | No | 33.4 | 57.2 | 41.6 | 8 | No | 29.0 | 85.4 | 47.5 | 10 |
| Aluminum | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.23 | 0.03 | 634 | No | ND | 0.10 | 0.07 | 8 | No | ND | 0.15 | 0.02 | 50 |
| Ammonia, free | Some fertilizers, septic systems | n/a | n/a | mg/L | No | ND | 0.78 | ND | 425 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Arsenic | Erosion of natural deposits | 10 | 0 | ug/L | No | ND | 2.7 | ND | 634 | No | ND | ND | ND | 8 | No | ND | ND | ND | 50 |
| Barium | Erosion of natural deposits | 2 | 2 | mg/L | No | ND | 0.08 | ND | 634 | No | ND | ND | ND | 8 | No | ND | 0.21 | 0.05 | 50 |
| Boron | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.62 | ND | 1,020 | No | ND | 0.11 | ND | 38 | No | ND | ND | ND | 12 |
| Bromide | Naturally occurring | n/a | n/a | ug/L | No | ND | 94.2 | ND | 398 | No | ND | ND | ND | 8 | No | ND | 90.0 | ND | 10 |
| Cadmium | Natural deposits, galvanized pipe | 5 | 5 | ug/L | No | ND | 0.3 | ND | 634 | No | ND | ND | ND | 8 | No | ND | ND | ND | 50 |
| Calcium | Naturally occurring, pH control | n/a | n/a | mg/L | No | ND | 58.5 | 12.3 | 1,020 | No | ND | 0.7 | 0.5 | 38 | No | 9.5 | 50.5 | 25.4 | 12 |
| Chloride | Naturally occurring,salt water intrusion,road salt | 250 | n/a | mg/L | No | 4.0 | 147.8 | 19.0 | 386 | No | 3.6 | 4.0 | 3.8 | 8 | No | 10.1 | 147.0 | 74.4 | 41 |
| Chromium, total | Natural deposits | 100 | 100 | ug/L | No | ND | 1.9 | ND | 634 | No | ND | ND | ND | 8 | No | ND | 4.4 | 1.3 | 50 |
| CO2, calculated | Naturally occurring | n/a | n/a | mg/L | No | 0.1 | 32.1 | 4.3 | 346 | No | 3.8 | 9.5 | 5.3 | 8 | No | 3.2 | 17.4 | 8.7 | 10 |
| Cobalt-59 | Naturally occurring | n/a | n/a | ug/L | No | ND | 4.6 | ND | 634 | No | ND | ND | ND | 8 | No | ND | ND | ND | 50 |
| Color, Apparent | Naturally occurring metals or minerals | 15 | n/a | Color Units | No | ND | 12 | ND | 346 | No | ND | 7 | ND | 8 | No | ND | ND | ND | 10 |
| Copper | Household plumbing | AL=1.3 | 1.3 | mg/L | No | ND | 0.20 | ND | 634 | No | ND | ND | ND | 8 | No | ND | 0.14 | ND | 50 |
| Fluoride | Erosion of natural deposits | 2.2 | n/a | mg/L | No | ND | 0.5 | ND | 386 | No | ND | ND | ND | 8 | No | ND | ND | ND | 41 |
| Hardness, total | Measure of the calcium and magnesium | n/a | n/a | mg/L | No | ND | 177.0 | 37.1 | 1,020 | No | ND | 2.3 | ND | 38 | No | 39.8 | 177.5 | 94.0 | 12 |
| Hexavalent Chromium | Erosion of natural deposits | n/a | n/a | ug/L | No | ND | 1.88 | 0.15 | 377 | No | ND | 0.16 | ND | 8 | No | ND | 4.20 | 1.33 | 41 |
| Iron | Naturally occurring | 300 | n/a | ug/L | Yes | ND | 915 | 205 | 1,020 | Yes | 206 | 439 | 279 | 38 | No | ND | 59 | ND | 12 |
| Lead | Household plumbing, lead solder | AL=15 | 0 | mg/L | No | ND | 1.1 | ND | 634 | No | ND | ND | ND | 8 | No | ND | ND | ND | 50 |
| Lithium | Naturally occurring | n/a | n/a | ug/L | No | ND | 8.8 | 2.0 | 634 | No | 3.6 | 4.3 | 4.0 | 8 | No | ND | 2.0 | ND | 50 |
| Magnesium | Naturally occurring | n/a | n/a | mg/L | No | 0.24 | 8.24 | 1.51 | 1,020 | No | ND | ND | ND | 38 | No | 3.91 | 12.51 | 7.46 | 12 |
| Manganese | Naturally occurring | 300 | n/a | ug/L | No | ND | 331 | 12 | 1,020 | No | ND | ND | ND | 38 | No | ND | ND | ND | 12 |
| Molybdenum | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 634 | No | ND | ND | ND | 8 | No | ND | ND | ND | 50 |
| Nickel | Alloys, coatings manufacturing, batteries | 100 | n/a | ug/L | No | ND | 7.0 | 1.1 | 634 | No | ND | ND | ND | 8 | No | ND | 2.1 | 0.5 | 50 |
| Nitrate | Natural deposits, fertilizer, septic tanks | 10 | 10 | mg/L | No | ND | 7.02 | 0.58 | 385 | No | ND | 0.02 | ND | 8 | No | 0.26 | 9.03 | 5.50 | 41 |
| Perchlorate | Fertilizers, solid fuel propellant, fireworks | 15 | 5 | ug/L | No | ND | 1.95 | 0.16 | 348 | No | ND | ND | ND | 8 | No | ND | 0.99 | 0.63 | 12 |
| pH | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.5 | 9.0 | 7.4 | 627 | No | 6.9 | 7.7 | 7.3 | 10 | No | 6.7 | 9.0 | 7.2 | 16 |
| pH, field | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.3 | 9.5 | 7.4 | 3,891 | No | 7.0 | 8.2 | 7.4 | 45 | No | 6.8 | 9.0 | 7.3 | 155 |
| Phosphate, total | Added to keep iron in solution | n/a | n/a | mg/L | No | ND | 3.51 | 0.58 | 1,020 | No | 0.29 | 5.65 | 1.76 | 38 | No | ND | ND | ND | 12 |
| Potassium | Naturally occurring | n/a | n/a | mg/L | No | 0.24 | 5.51 | 0.66 | 1,020 | No | 1.16 | 1.49 | 1.28 | 38 | No | 0.87 | 2.35 | 1.44 | 12 |
| Silicon | Naturally occurring | n/a | n/a | mg/L | No | 2.8 | 8.1 | 4.9 | 634 | No | 4.2 | 4.4 | 4.3 | 8 | No | 6.5 | 8.4 | 7.3 | 50 |
| Sodium | Naturally occurring | n/a | n/a | mg/L | No | 2.8 | 63.9 | 7.4 | 1,020 | No | 20.0 | 26.9 | 22.5 | 38 | No | 8.2 | 69.7 | 28.8 | 12 |
| Specific Conductance | Total of naturally occurring minerals | n/a | n/a | umho/cm | No | 46 | 500 | 128 | 346 | No | 96 | 117 | 105 | 8 | No | 130 | 724 | 288 | 10 |
| Strontium-88 | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.171 | 0.037 | 634 | No | ND | ND | ND | 8 | No | 0.033 | 0.153 | 0.064 | 50 |
| Sulfate | Naturally occurring | 250 | n/a | mg/L | No | ND | 52.0 | 6.8 | 386 | No | 7.3 | 8.5 | 7.9 | 8 | No | 4.8 | 20.8 | 12.9 | 41 |
| Titanium | Naturally occurring | n/a | n/a | ug/L | No | ND | 10.2 | ND | 1,020 | No | ND | ND | ND | 38 | No | ND | ND | ND | 12 |
| Total Organic Carbon (TOC) | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.6 | ND | 32 | No | 0.6 | 0.7 | 0.7 | 2 | No | ND | ND | ND | 2 |
| Turbidity | Silts and clays in aquifer | 5 | n/a | NTU | No | ND | 2.44 | 0.40 | 346 | No | ND | 0.58 | ND | 8 | No | ND | 1.53 | 0.41 | 10 |
| Vanadium | Naturally occurring | n/a | n/a | ug/L | No | ND | 1.2 | ND | 634 | No | ND | ND | ND | 8 | No | ND | ND | ND | 50 |
| Zinc | Naturally occurring, plumbing | 5 | n/a | mg/L | No | ND | 0.05 | ND | 634 | No | ND | ND | ND | 8 | No | ND | ND | ND | 50 |
| **Synthetic Organic Compounds including Pesticides and Herbicides** (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32) | | | | | | | | | | | | | | | | | | | |
| Alachlor ESA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 347 | No | ND | ND | ND | 8 | No | ND | ND | ND | 13 |
| Alachlor OA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 347 | No | ND | ND | ND | 8 | No | ND | ND | ND | 13 |
| Aldicarb Sulfone | Pesticide used on row crops | 2 | 1 | ug/L | No | ND | ND | ND | 336 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Aldicarb Sulfoxide | Pesticide used on row crops | 4 | 1 | ug/L | No | ND | ND | ND | 336 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Chlordane, Total | Residue of banned termiticide | 2 | n/a | ug/L | No | ND | ND | ND | 340 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Diethyltoluamide (DEET) | Insect Repellent | 50 | n/a | ug/L | No | ND | ND | ND | 342 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| 1,4-Dioxane | Used in manufacturing processes | *1 | n/a | ug/L | No | ND | 0.98 | 0.10 | 388 | No | ND | ND | ND | 8 | No | ND | 1.18 | 0.52 | 19 |
| Hexazinone | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 342 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Metalaxyl | Used as a fungicide | 50 | n/a | ug/L | No | ND | ND | ND | 342 | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 |
| Metolachlor ESA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 347 | No | ND | ND | ND | 8 | No | ND | ND | ND | 13 |
| Metolachlor OA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 347 | No | ND | ND | ND | 8 | No | ND | ND | ND | 13 |
| Tetrachloroterephthalic Acid | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 342 | No | ND | ND | ND | 8 | No | ND | ND | ND | 12 |
| **Volatile Organic Compounds** | | | | | | | | | | | | | | | | | | | |
| Chlorobenzene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | 0.30 | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| Chlorodifluoromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| Chloromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | 0.32 | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| Cis-1,2-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 487 | No | ND | ND | ND | 8 | No | ND | 0.26 | ND | 57 |
| 1,3-Dichlorobenzene | Used as a fumigant and insecticide | 5 | n/a | ug/L | No | ND | 0.17 | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| Dichlorodifluoromethane | Refrigerant, aerosol propellant | 5 | n/a | ug/L | No | ND | ND | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| 1,1-Dichloroethane | Degreaser, gasoline, manufacturing | 5 | n/a | ug/L | No | ND | 0.91 | ND | 487 | No | ND | ND | ND | 8 | No | ND | 0.60 | 0.29 | 57 |
| 1,1-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | 0.56 | ND | 487 | No | ND | ND | ND | 8 | No | ND | 0.32 | ND | 57 |
| 1,2-Dichloropropane | From industrial chemical factories | 5 | 0 | ug/L | No | ND | ND | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| Ethyl Benzene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | 0.18 | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| 4-Methyl-2-Pentanone | From manufacturing facilities | 50 | n/a | ug/L | No | ND | ND | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| Methylene Chloride | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| Methylethylketone | Used in the coatings industry | 50 | n/a | ug/L | No | ND | ND | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| Methyl-Tert-Butyl Ether | Gasoline | 10 | n/a | ug/L | No | ND | 0.80 | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| o-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | 0.39 | ND | 487 | No | ND | ND | ND | 8 | No | ND | 0.16 | ND | 57 |
| p,m-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | 0.67 | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| Tetrachloroethene | Factories, dry cleaners, spills | 5 | 0 | ug/L | No | ND | 0.69 | ND | 487 | No | ND | ND | ND | 8 | No | ND | 0.28 | ND | 57 |
| Toluene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | 1.20 | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| 1,2,4-Trichlorobenzene | Discharge from textile-finishing factories | 5 | n/a | ug/L | No | ND | 0.46 | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| 1,1,1-Trichloroethane | Metal degreasing sites, factories | 5 | n/a | ug/L | No | ND | 0.34 | ND | 487 | No | ND | ND | ND | 8 | No | ND | 0.27 | ND | 57 |
| Trichloroethene | Metal degreasing sites, factories | 5 | 0 | ug/L | No | ND | 1.69 | ND | 487 | No | ND | ND | ND | 8 | No | ND | 0.72 | ND | 57 |
| Trichlorofluoromethane | Dry cleaning,propellant,fire extinguishers | 5 | n/a | ug/L | No | ND | ND | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| 1,2,3-Trichloropropane | Degreasing agent, manufacturing | 5 | n/a | ug/L | No | ND | 1.81 | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| 1,1,2-Trichlorotrifluoroethane | Solvent in paints and varnishes | 5 | n/a | ug/L | No | ND | ND | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |
| 1,2,4-Trimethylbenzene | Gasoline, oil refinery | 5 | n/a | ug/L | No | ND | 0.24 | ND | 487 | No | ND | ND | ND | 8 | No | ND | ND | ND | 57 |

# 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 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Violation Yes/No | Range of Readings Low Value | High Value | Avg. Value | No. of Tests | Violation Yes/No | Range of Readings Low Value | High Value | Avg. Value | No. of Tests | Violation Yes/No | Range of Readings Low Value | High Value | Avg. Value | No. of Tests |
| **Inorganics** | | | | | | | | | | | | | | | | | | | |
| Alkalinity to pH 4.5 mg CaCO3/L | Naturally occurring | n/a | n/a | mg/L | No | ND | 82.0 | 48.5 | 44 | No | 37.8 | 72.6 | 54.3 | 4 | No | ND | 34.0 | 26.8 | 9 |
| Aluminum | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.07 | 0.03 | 69 | No | ND | 0.05 | 0.03 | 7 | No | ND | 0.02 | ND | 9 |
| Ammonia, free | Some fertilizers, septic systems | n/a | n/a | mg/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Arsenic | Erosion of natural deposits | 10 | 0 | ug/L | No | ND | ND | ND | 69 | No | ND | ND | ND | 7 | No | ND | ND | ND | 9 |
| Barium | Erosion of natural deposits | 2 | 2 | mg/L | No | ND | 0.07 | ND | 69 | No | ND | 0.03 | 0.02 | 7 | No | ND | ND | ND | 9 |
| Boron | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 44 | No | ND | ND | ND | 4 | No | ND | ND | ND | 9 |
| Bromide | Naturally occurring | n/a | n/a | ug/L | No | ND | 82.5 | ND | 48 | No | ND | 64.5 | 51.9 | 4 | No | ND | ND | ND | 9 |
| Cadmium | Natural deposits, galvanized pipe | 5 | 5 | ug/L | No | ND | ND | ND | 69 | No | ND | ND | ND | 7 | No | ND | ND | ND | 9 |
| Calcium | Naturally occurring, pH control | n/a | n/a | mg/L | No | 6.4 | 45.8 | 21.9 | 44 | No | 15.0 | 36.1 | 21.3 | 4 | No | 6.4 | 17.4 | 11.8 | 9 |
| Chloride | Naturally occurring,salt water intrusion,road salt | 250 | n/a | mg/L | No | 7.3 | 30.0 | 20.1 | 127 | No | 13.7 | 23.2 | 20.2 | 7 | No | 6.6 | 16.7 | 11.9 | 9 |
| Chromium, total | Natural deposits | 100 | 100 | ug/L | No | ND | 13.0 | 1.0 | 69 | No | ND | 1.6 | ND | 7 | No | ND | ND | ND | 9 |
| CO2, calculated | Naturally occurring | n/a | n/a | mg/L | No | 1.6 | 24.0 | 7.9 | 44 | No | 2.6 | 12.8 | 8.3 | 4 | No | 2.5 | 9.6 | 5.8 | 9 |
| Cobalt-59 | Naturally occurring | n/a | n/a | ug/L | No | ND | 0.7 | ND | 69 | No | ND | ND | ND | 7 | No | ND | ND | ND | 9 |
| Color, Apparent | Naturally occurring metals or minerals | 15 | n/a | Color Units | No | ND | 5 | ND | 44 | No | ND | ND | ND | 4 | No | ND | ND | ND | 9 |
| Copper | Household plumbing | AL=1.3 | 1.3 | mg/L | No | ND | ND | ND | 69 | No | ND | ND | ND | 7 | No | ND | ND | ND | 9 |
| Fluoride | Erosion of natural deposits | 2.2 | n/a | mg/L | No | ND | ND | ND | 127 | No | ND | ND | ND | 7 | No | ND | ND | ND | 9 |
| Hardness, total | Measure of the calcium and magnesium | n/a | n/a | mg/L | No | 22.6 | 145.3 | 72.8 | 44 | No | 56.3 | 113.1 | 72.4 | 4 | No | 20.3 | 55.0 | 37.0 | 9 |
| Hexavalent Chromium | Erosion of natural deposits | n/a | n/a | ug/L | No | ND | 12.33 | 1.03 | 74 | No | ND | 1.34 | 0.35 | 7 | No | ND | 0.26 | 0.14 | 9 |
| Iron | Naturally occurring | 300 | n/a | ug/L | No | ND | 35 | ND | 44 | No | ND | 50 | ND | 4 | No | ND | 88 | ND | 9 |
| Lead | Household plumbing, lead solder | AL=15 | 0 | mg/L | No | ND | ND | ND | 69 | No | ND | ND | ND | 7 | No | ND | ND | ND | 9 |
| Lithium | Naturally occurring | n/a | n/a | ug/L | No | ND | 4.1 | ND | 69 | No | ND | ND | ND | 7 | No | ND | ND | ND | 9 |
| Magnesium | Naturally occurring | n/a | n/a | mg/L | No | 1.53 | 8.07 | 4.42 | 44 | No | 3.43 | 5.57 | 4.65 | 4 | No | 0.81 | 2.79 | 1.85 | 9 |
| Manganese | Naturally occurring | 300 | n/a | ug/L | No | ND | ND | ND | 44 | No | ND | ND | ND | 4 | No | ND | ND | ND | 9 |
| Molybdenum | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 69 | No | ND | ND | ND | 7 | No | ND | ND | ND | 9 |
| Nickel | Alloys, coatings manufacturing, batteries | 100 | n/a | ug/L | No | ND | 2.2 | 0.6 | 69 | No | ND | 0.9 | 0.6 | 7 | No | 0.7 | 1.2 | 1.0 | 9 |
| Nitrate | Natural deposits, fertilizer, septic tanks | 10 | 10 | mg/L | No | 0.42 | 8.46 | 6.10 | 126 | No | 0.24 | 7.06 | 5.18 | 7 | No | 1.35 | 3.58 | 2.62 | 9 |
| Perchlorate | Fertilizers, solid fuel propellant, fireworks | 15 | 5 | ug/L | No | ND | 2.40 | 0.99 | 56 | No | 0.13 | 1.49 | 0.72 | 4 | No | 0.72 | 2.05 | 1.22 | 8 |
| pH | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.1 | 8.5 | 7.1 | 114 | No | 6.8 | 8.4 | 7.4 | 6 | No | 6.6 | 7.4 | 7.0 | 11 |
| pH, field | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.6 | 8.5 | 7.3 | 702 | No | 6.7 | 8.1 | 7.3 | 156 | No | 6.5 | 7.7 | 7.2 | 62 |
| Phosphate, total | Added to keep iron in solution | n/a | n/a | mg/L | No | ND | 0.23 | ND | 44 | No | ND | ND | ND | 4 | No | ND | ND | ND | 9 |
| Potassium | Naturally occurring | n/a | n/a | mg/L | No | 0.56 | 1.52 | 1.03 | 44 | No | 0.88 | 1.20 | 1.04 | 4 | No | 0.53 | 0.91 | 0.74 | 9 |
| Silicon | Naturally occurring | n/a | n/a | mg/L | No | 4.9 | 9.6 | 7.3 | 69 | No | 6.0 | 8.9 | 7.1 | 7 | No | 3.7 | 4.1 | 3.9 | 9 |
| Sodium | Naturally occurring | n/a | n/a | mg/L | No | 5.8 | 16.4 | 10.5 | 44 | No | 8.9 | 14.7 | 12.0 | 4 | No | 5.0 | 9.5 | 7.5 | 9 |
| Specific Conductance | Total of naturally occurring minerals | n/a | n/a | umho/cm | No | 81 | 321 | 207 | 44 | No | 174 | 306 | 231 | 4 | No | 80 | 172 | 124 | 9 |
| Strontium-88 | Naturally occurring | n/a | n/a | mg/L | No | 0.025 | 0.129 | 0.081 | 69 | No | 0.051 | 0.099 | 0.084 | 7 | No | 0.017 | 0.048 | 0.033 | 9 |
| Sulfate | Naturally occurring | 250 | n/a | mg/L | No | ND | 26.7 | 11.2 | 127 | No | 4.2 | 11.1 | 9.0 | 7 | No | ND | 8.0 | 4.2 | 9 |
| Titanium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 44 | No | ND | ND | ND | 4 | No | ND | ND | ND | 9 |
| Total Organic Carbon (TOC) | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 2 | No | ND | ND | ND | 2 |
| Turbidity | Silts and clays in aquifer | 5 | n/a | NTU | No | ND | 0.97 | ND | 44 | No | ND | 0.96 | 0.54 | 4 | No | ND | 0.60 | ND | 9 |
| Vanadium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 69 | No | ND | ND | ND | 7 | No | ND | ND | ND | 9 |
| Zinc | Naturally occurring, plumbing | 5 | n/a | mg/L | No | ND | ND | ND | 69 | No | ND | ND | ND | 7 | No | ND | ND | ND | 9 |
| **Synthetic Organic Compounds including Pesticides and Herbicides** (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32) | | | | | | | | | | | | | | | | | | | |
| Alachlor ESA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 49 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Alachlor OA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 49 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Aldicarb Sulfone | Pesticide used on row crops | 2 | 1 | ug/L | No | ND | ND | ND | 59 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Aldicarb Sulfoxide | Pesticide used on row crops | 4 | 1 | ug/L | No | ND | ND | ND | 59 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Chlordane, Total | Residue of banned termiticide | 2 | n/a | ug/L | No | ND | ND | ND | 45 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Diethyltoluamide (DEET) | Insect Repellent | 50 | n/a | ug/L | No | ND | ND | ND | 46 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| 1,4-Dioxane | Used in manufacturing processes | *1 | n/a | ug/L | No | ND | 3.09 | 0.69 | 71 | No | 0.33 | 1.81 | 0.97 | 5 | No | ND | 0.17 | 0.11 | 14 |
| Hexazinone | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 46 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Metalaxyl | Used as a fungicide | 50 | n/a | ug/L | No | ND | ND | ND | 46 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Metolachlor ESA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 49 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Metolachlor OA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 49 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| Tetrachloroterephthalic Acid | Used as a herbicide | 50 | n/a | ug/L | No | ND | 5.54 | 1.04 | 64 | No | ND | ND | ND | 4 | No | ND | ND | ND | 8 |
| **Volatile Organic Compounds** | | | | | | | | | | | | | | | | | | | |
| Chlorobenzene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Chlorodifluoromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Chloromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Cis-1,2-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | 0.73 | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| 1,3-Dichlorobenzene | Used as a fumigant and insecticide | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Dichlorodifluoromethane | Refrigerant, aerosol propellant | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| 1,1-Dichloroethane | Degreaser, gasoline, manufacturing | 5 | n/a | ug/L | No | ND | 1.67 | 0.46 | 189 | No | ND | 1.26 | 0.32 | 14 | No | ND | ND | ND | 10 |
| 1,1-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | 0.51 | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| 1,2-Dichloropropane | From industrial chemical factories | 5 | 0 | ug/L | No | ND | 0.39 | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Ethyl Benzene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| 4-Methyl-2-Pentanone | From manufacturing facilities | 50 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Methylene Chloride | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Methylethylketone | Used in the coatings industry | 50 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Methyl-Tert-Butyl Ether | Gasoline | 10 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | 0.28 | ND | 10 |
| o-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| p,m-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Tetrachloroethene | Factories, dry cleaners, spills | 5 | 0 | ug/L | No | ND | 1.76 | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Toluene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| 1,2,4-Trichlorobenzene | Discharge from textile-finishing factories | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| 1,1,1-Trichloroethane | Metal degreasing sites, factories | 5 | n/a | ug/L | No | ND | 0.46 | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| Trichloroethene | Metal degreasing sites, factories | 5 | 0 | ug/L | No | ND | 1.71 | ND | 189 | No | ND | 0.41 | ND | 14 | No | ND | ND | ND | 10 |
| Trichlorofluoromethane | Dry cleaning,propellant,fire extinguishers | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| 1,2,3-Trichloropropane | Degreasing agent, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| 1,1,2-Trichlorotrifluoroethane | Solvent in paints and varnishes | 5 | n/a | ug/L | No | ND | 0.29 | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |
| 1,2,4-Trimethylbenzene | Gasoline, oil refinery | 5 | n/a | ug/L | No | ND | ND | ND | 189 | No | ND | ND | ND | 14 | No | ND | ND | ND | 10 |

# WATER QUALITY DATA BY DISTRIBUTION AREA

*Naturally 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 | 37.6 | 92.0 | 60.8 | 19 | No | 22.0 | 62.8 | 41.1 | 34 | No | 25.4 | 110.4 | 53.6 | 44 |
| Aluminum | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.06 | 0.03 | 42 | No | ND | 0.06 | 0.02 | 58 | No | ND | 0.11 | 0.04 | 54 |
| Ammonia, free | Some fertilizers, septic systems | n/a | n/a | mg/L | No | ND | ND | ND | 19 | No | ND | ND | ND | 37 | No | ND | ND | ND | 44 |
| Arsenic | Erosion of natural deposits | 10 | 0 | ug/L | No | ND | ND | ND | 42 | No | ND | ND | ND | 58 | No | ND | ND | ND | 54 |
| Barium | Erosion of natural deposits | 2 | 2 | mg/L | No | ND | 0.03 | ND | 42 | No | ND | 0.04 | ND | 58 | No | ND | 0.06 | 0.02 | 54 |
| Boron | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 19 | No | ND | ND | ND | 34 | No | ND | ND | ND | 54 |
| Bromide | Naturally occurring | n/a | n/a | ug/L | No | ND | 64.5 | ND | 19 | No | ND | 55.9 | ND | 38 | No | ND | 349.4 | 57.9 | 44 |
| Cadmium | Natural deposits, galvanized pipe | 5 | 5 | ug/L | No | ND | ND | ND | 42 | No | ND | ND | ND | 58 | No | ND | ND | ND | 54 |
| Calcium | Naturally occurring, pH control | n/a | n/a | mg/L | No | 15.2 | 38.2 | 27.5 | 19 | No | 9.9 | 33.1 | 20.6 | 34 | No | 9.9 | 58.5 | 25.2 | 54 |
| Chloride | Naturally occurring,salt water intrusion,road salt | 250 | n/a | mg/L | No | 12.0 | 29.6 | 22.0 | 103 | No | 11.4 | 42.5 | 21.1 | 177 | No | 9.8 | 70.4 | 42.3 | 145 |
| Chromium, total | Natural deposits | 100 | 100 | ug/L | No | ND | 5.5 | 2.1 | 42 | No | ND | 6.2 | 1.5 | 58 | No | ND | 3.8 | 1.1 | 54 |
| CO2, calculated | Naturally occurring | n/a | n/a | mg/L | No | 2.6 | 20.7 | 7.3 | 19 | No | 0.6 | 13.7 | 6.3 | 34 | No | 2.4 | 14.7 | 6.6 | 44 |
| Cobalt-59 | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 42 | No | ND | 1.0 | ND | 58 | No | ND | 2.4 | ND | 54 |
| Color, Apparent | Naturally occurring metals or minerals | 15 | n/a | Color Units | No | ND | 5 | ND | 19 | No | ND | 5 | ND | 34 | No | ND | 5 | ND | 44 |
| Copper | Household plumbing | AL=1.3 | 1.3 | mg/L | No | ND | 0.02 | ND | 42 | No | ND | 0.05 | ND | 58 | No | ND | 0.02 | ND | 54 |
| Fluoride | Erosion of natural deposits | 2.2 | n/a | mg/L | No | ND | ND | ND | 103 | No | ND | ND | ND | 177 | No | ND | ND | ND | 145 |
| Hardness, total | Measure of the calcium and magnesium | n/a | n/a | mg/L | No | 54.9 | 137.0 | 94.7 | 19 | No | 32.5 | 111.0 | 68.2 | 34 | No | 29.7 | 172.9 | 80.6 | 54 |
| Hexavalent Chromium | Erosion of natural deposits | n/a | n/a | ug/L | No | ND | 5.03 | 1.79 | 43 | No | ND | 4.53 | 1.22 | 62 | No | ND | 3.49 | 0.99 | 61 |
| Iron | Naturally occurring | 300 | n/a | ug/L | No | ND | 50 | ND | 19 | No | ND | 45 | ND | 34 | No | ND | 55 | ND | 54 |
| Lead | Household plumbing, lead solder | AL=15 | 0 | mg/L | No | ND | ND | ND | 42 | No | ND | ND | ND | 58 | No | ND | ND | ND | 54 |
| Lithium | Naturally occurring | n/a | n/a | ug/L | No | ND | 2.6 | ND | 42 | No | ND | ND | ND | 58 | No | ND | 1.0 | ND | 54 |
| Magnesium | Naturally occurring | n/a | n/a | mg/L | No | 3.20 | 10.47 | 6.30 | 19 | No | 1.39 | 7.15 | 4.05 | 34 | No | 1.23 | 7.02 | 4.28 | 54 |
| Manganese | Naturally occurring | 300 | n/a | ug/L | No | ND | ND | ND | 19 | No | ND | ND | ND | 34 | No | ND | 83 | 21 | 54 |
| Molybdenum | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 42 | No | ND | ND | ND | 58 | No | ND | ND | ND | 54 |
| Nickel | Alloys, coatings manufacturing, batteries | 100 | n/a | ug/L | No | ND | 1.5 | 0.7 | 42 | No | ND | 2.6 | 0.9 | 58 | No | ND | 5.0 | 1.4 | 54 |
| Nitrate | Natural deposits, fertilizer, septic tanks | 10 | 10 | mg/L | No | 0.50 | 8.43 | 6.68 | 102 | No | 2.46 | 8.93 | 6.74 | 175 | No | 0.55 | 8.23 | 6.16 | 145 |
| Perchlorate | Fertilizers, solid fuel propellant, fireworks | 15 | 5 | ug/L | No | ND | 1.47 | 0.76 | 22 | No | ND | 3.74 | 1.92 | 66 | No | ND | 1.59 | 0.68 | 47 |
| pH | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.8 | 9.3 | 7.4 | 50 | No | 6.7 | 8.7 | 7.2 | 41 | No | 6.7 | 8.9 | 7.3 | 73 |
| pH, field | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.6 | 9.5 | 7.3 | 347 | No | 6.6 | 8.5 | 7.2 | 669 | No | 5.9 | 9.0 | 7.3 | 543 |
| Phosphate, total | Added to keep iron in solution | n/a | n/a | mg/L | No | ND | 0.22 | ND | 19 | No | ND | ND | ND | 34 | No | ND | ND | ND | 54 |
| Potassium | Naturally occurring | n/a | n/a | mg/L | No | 0.87 | 2.00 | 1.24 | 19 | No | 0.77 | 1.48 | 1.05 | 34 | No | 0.68 | 2.16 | 1.28 | 54 |
| Silicon | Naturally occurring | n/a | n/a | mg/L | No | 4.8 | 11.8 | 7.3 | 42 | No | 3.4 | 8.3 | 6.2 | 58 | No | 3.9 | 7.3 | 5.6 | 54 |
| Sodium | Naturally occurring | n/a | n/a | mg/L | No | 9.4 | 19.4 | 15.5 | 19 | No | 7.7 | 19.5 | 11.7 | 34 | No | 6.6 | 35.9 | 19.5 | 54 |
| Specific Conductance | Total of naturally occurring minerals | n/a | n/a | umho/cm | No | 173 | 353 | 280 | 19 | No | 115 | 329 | 212 | 34 | No | 100 | 691 | 265 | 44 |
| Strontium-88 | Naturally occurring | n/a | n/a | mg/L | No | 0.059 | 0.160 | 0.096 | 42 | No | 0.026 | 0.140 | 0.087 | 58 | No | 0.020 | 0.138 | 0.071 | 54 |
| Sulfate | Naturally occurring | 250 | n/a | mg/L | No | 3.2 | 28.0 | 15.5 | 103 | No | ND | 30.1 | 13.6 | 177 | No | ND | 17.4 | 9.0 | 145 |
| Titanium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 19 | No | ND | ND | ND | 34 | No | ND | ND | ND | 54 |
| Total Organic Carbon (TOC) | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 4 | No | ND | ND | ND | 4 | No | ND | ND | ND | 4 |
| Turbidity | Silts and clays in aquifer | 5 | n/a | NTU | No | ND | 0.91 | ND | 19 | No | ND | 0.78 | ND | 34 | No | ND | 2.23 | 0.53 | 44 |
| Vanadium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 42 | No | ND | ND | ND | 58 | No | ND | ND | ND | 54 |
| Zinc | Naturally occurring, plumbing | 5 | n/a | mg/L | No | ND | ND | ND | 42 | No | ND | ND | ND | 58 | No | ND | 0.02 | ND | 54 |
| **Synthetic Organic Compounds including Pesticides and Herbicides** (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32) | | | | | | | | | | | | | | | | | | | |
| Alachlor ESA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 36 | No | ND | ND | ND | 45 |
| Alachlor OA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 36 | No | ND | ND | ND | 45 |
| Aldicarb Sulfone | Pesticide used on row crops | 2 | 1 | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 35 | No | ND | ND | ND | 45 |
| Aldicarb Sulfoxide | Pesticide used on row crops | 4 | 1 | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 35 | No | ND | ND | ND | 45 |
| Chlordane, Total | Residue of banned termiticide | 2 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 40 | No | ND | ND | ND | 72 |
| Diethyltoluamide (DEET) | Insect Repellent | 50 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 36 | No | ND | ND | ND | 45 |
| 1,4-Dioxane | Used in manufacturing processes | *1 | n/a | ug/L | No | ND | 1.31 | 0.69 | 33 | No | 0.13 | 1.17 | 0.48 | 59 | No | ND | 1.44 | 0.50 | 76 |
| Hexazinone | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 36 | No | ND | ND | ND | 45 |
| Metalaxyl | Used as a fungicide | 50 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 36 | No | ND | ND | ND | 45 |
| Metolachlor ESA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 36 | No | ND | ND | ND | 45 |
| Metolachlor OA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 36 | No | ND | ND | ND | 45 |
| Tetrachloroterephthalic Acid | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 23 | No | ND | 1.65 | ND | 37 | No | ND | ND | ND | 48 |
| **Volatile Organic Compounds** | | | | | | | | | | | | | | | | | | | |
| Chlorobenzene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| Chlorodifluoromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | 0.44 | ND | 193 |
| Chloromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| Cis-1,2-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | 2.13 | ND | 193 |
| 1,3-Dichlorobenzene | Used as a fumigant and insecticide | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| Dichlorodifluoromethane | Refrigerant, aerosol propellant | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | 0.27 | ND | 121 | No | ND | 1.03 | ND | 193 |
| 1,1-Dichloroethane | Degreaser, gasoline, manufacturing | 5 | n/a | ug/L | No | ND | 1.89 | 0.71 | 81 | No | ND | 1.14 | 0.45 | 121 | No | ND | 2.15 | 0.41 | 193 |
| 1,1-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | 0.87 | ND | 81 | No | ND | 0.53 | ND | 121 | No | ND | 1.10 | ND | 193 |
| 1,2-Dichloropropane | From industrial chemical factories | 5 | 0 | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| Ethyl Benzene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| 4-Methyl-2-Pentanone | From manufacturing facilities | 50 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| Methylene Chloride | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| Methylethylketone | Used in the coatings industry | 50 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| Methyl-Tert-Butyl Ether | Gasoline | 10 | n/a | ug/L | No | ND | 0.26 | ND | 81 | No | ND | 0.45 | ND | 121 | No | ND | 1.24 | ND | 193 |
| o-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| p,m-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| Tetrachloroethene | Factories, dry cleaners, spills | 5 | 0 | ug/L | No | ND | 0.87 | ND | 81 | No | ND | 0.96 | ND | 121 | No | ND | 1.72 | ND | 193 |
| Toluene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| 1,2,4-Trichlorobenzene | Discharge from textile-finishing factories | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |
| 1,1,1-Trichloroethane | Metal degreasing sites, factories | 5 | n/a | ug/L | No | ND | 0.90 | 0.30 | 81 | No | ND | 0.40 | ND | 121 | No | ND | 0.90 | ND | 193 |
| Trichloroethene | Metal degreasing sites, factories | 5 | 0 | ug/L | No | ND | 0.72 | ND | 81 | No | ND | 0.29 | ND | 121 | No | ND | 0.76 | ND | 193 |
| Trichlorofluoromethane | Dry cleaning,propellant,fire extinguishers | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 122 | No | ND | 1.09 | ND | 193 |
| 1,2,3-Trichloropropane | Degreasing agent, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | 0.42 | ND | 121 | No | ND | ND | ND | 193 |
| 1,1,2-Trichlorotrifluoroethane | Solvent in paints and varnishes | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | 1.67 | ND | 121 | No | ND | 2.22 | ND | 193 |
| 1,2,4-Trimethylbenzene | Gasoline, oil refinery | 5 | n/a | ug/L | No | ND | ND | ND | 81 | No | ND | ND | ND | 121 | No | ND | ND | ND | 193 |

# WATER QUALITY DATA BY DISTRIBUTION AREA

*Naturally Occuring Compounds as well as Contaminants*

| Detected Compound | Likely Source | MCL | MCLG | Unit of Measure | Distribution Area 12 Violation Yes/No | Distribution Area 12 Range of Readings Low Value | Distribution Area 12 Range of Readings High Value | Distribution Area 12 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Inorganics** | | | | | | | | | | | | | | | | | | | |
| Alkalinity to pH 4.5 mg CaCO3/L | Naturally occurring | n/a | n/a | mg/L | No | ND | 144.4 | 54.1 | 261 | No | ND | 40.6 | 21.5 | 14 | No | ND | 121.0 | 48.4 | 167 |
| Aluminum | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.36 | 0.03 | 490 | No | ND | 0.04 | ND | 14 | No | ND | 0.16 | 0.03 | 218 |
| Ammonia, free | Some fertilizers, septic systems | n/a | n/a | mg/L | No | ND | ND | ND | 293 | No | ND | ND | ND | 15 | No | ND | 0.14 | ND | 180 |
| Arsenic | Erosion of natural deposits | 10 | 0 | ug/L | No | ND | 4.4 | ND | 490 | No | ND | ND | ND | 14 | No | ND | 1.7 | ND | 218 |
| Barium | Erosion of natural deposits | 2 | 2 | mg/L | No | ND | 0.10 | ND | 490 | No | ND | ND | ND | 14 | No | ND | 0.09 | 0.02 | 218 |
| Boron | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.11 | ND | 489 | No | ND | ND | ND | 14 | No | ND | ND | ND | 231 |
| Bromide | Naturally occurring | n/a | n/a | ug/L | No | ND | 90.4 | ND | 310 | No | ND | ND | ND | 14 | No | ND | 54.3 | ND | 226 |
| Cadmium | Natural deposits, galvanized pipe | 5 | 5 | ug/L | No | ND | 0.3 | ND | 490 | No | ND | ND | ND | 14 | No | ND | ND | ND | 218 |
| Calcium | Naturally occurring, pH control | n/a | n/a | mg/L | No | 2.5 | 55.7 | 20.9 | 489 | No | 2.2 | 17.1 | 7.9 | 14 | No | 2.7 | 77.0 | 22.5 | 231 |
| Chloride | Naturally occurring,salt water intrusion,road salt | 250 | n/a | mg/L | No | 4.1 | 131.1 | 39.6 | 421 | No | 4.7 | 17.8 | 7.6 | 14 | No | 4.5 | 164.4 | 37.9 | 503 |
| Chromium, total | Natural deposits | 100 | 100 | ug/L | No | ND | 2.4 | ND | 490 | No | ND | 0.9 | ND | 14 | No | ND | 3.8 | 1.1 | 218 |
| CO2, calculated | Naturally occurring | n/a | n/a | mg/L | No | 0.4 | 52.8 | 6.7 | 261 | No | 1.7 | 14.8 | 5.7 | 14 | No | 0.8 | 26.5 | 6.5 | 167 |
| Cobalt-59 | Naturally occurring | n/a | n/a | ug/L | No | ND | 3.5 | ND | 490 | No | ND | ND | ND | 14 | No | ND | 1.1 | ND | 218 |
| Color, Apparent | Naturally occurring metals or minerals | 15 | n/a | Color Units | No | ND | 12 | ND | 261 | No | ND | 5 | ND | 14 | Yes | ND | 17 | ND | 167 |
| Copper | Household plumbing | AL=1.3 | 1.3 | mg/L | No | ND | 0.19 | ND | 490 | No | ND | 0.05 | 0.02 | 14 | No | ND | 0.07 | ND | 218 |
| Fluoride | Erosion of natural deposits | 2.2 | n/a | mg/L | No | ND | ND | ND | 421 | No | ND | ND | ND | 14 | No | ND | ND | ND | 503 |
| Hardness, total | Measure of the calcium and magnesium | n/a | n/a | mg/L | No | 9.2 | 188.7 | 69.8 | 489 | No | 9.2 | 54.3 | 25.4 | 14 | No | 10.6 | 220.3 | 76.5 | 231 |
| Hexavalent Chromium | Erosion of natural deposits | n/a | n/a | ug/L | No | ND | 1.36 | 0.39 | 272 | No | 0.16 | 1.03 | 0.47 | 16 | No | ND | 3.51 | 0.95 | 200 |
| Iron | Naturally occurring | 300 | n/a | ug/L | Yes | ND | 885 | 99 | 489 | No | ND | 87 | 30 | 14 | Yes | ND | 718 | 54 | 231 |
| Lead | Household plumbing, lead solder | AL=15 | 0 | mg/L | No | ND | ND | ND | 490 | No | ND | ND | ND | 14 | No | ND | ND | ND | 218 |
| Lithium | Naturally occurring | n/a | n/a | ug/L | No | ND | 5.1 | ND | 490 | No | ND | ND | ND | 14 | No | ND | 3.5 | ND | 218 |
| Magnesium | Naturally occurring | n/a | n/a | mg/L | No | 0.30 | 19.25 | 4.28 | 489 | No | 0.69 | 2.91 | 1.41 | 14 | No | 0.75 | 12.77 | 4.94 | 231 |
| Manganese | Naturally occurring | 300 | n/a | ug/L | No | ND | 119 | 14 | 489 | No | ND | ND | ND | 14 | No | ND | 86 | 15 | 231 |
| Molybdenum | Naturally occurring | n/a | n/a | ug/L | No | ND | 1.1 | ND | 490 | No | ND | ND | ND | 14 | No | ND | ND | ND | 218 |
| Nickel | Alloys, coatings manufacturing, batteries | 100 | n/a | ug/L | No | ND | 5.5 | 0.7 | 490 | No | ND | ND | ND | 14 | No | ND | 7.8 | 0.5 | 218 |
| Nitrate | Natural deposits, fertilizer, septic tanks | 10 | 10 | mg/L | No | ND | 9.62 | 3.88 | 421 | No | 0.04 | 3.75 | 1.03 | 14 | No | 0.07 | 8.94 | 4.80 | 502 |
| Perchlorate | Fertilizers, solid fuel propellant, fireworks | 15 | 5 | ug/L | No | ND | 2.16 | 0.44 | 266 | No | ND | 1.37 | 0.33 | 15 | No | ND | 3.16 | 0.86 | 200 |
| pH | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.2 | 9.0 | 7.3 | 428 | No | 6.6 | 7.6 | 6.9 | 15 | No | 6.4 | 8.0 | 7.2 | 246 |
| pH, field | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.2 | 9.5 | 7.3 | 2,740 | No | 6.6 | 8.0 | 7.2 | 267 | No | 6.4 | 8.5 | 7.3 | 2,052 |
| Phosphate, total | Added to keep iron in solution | n/a | n/a | mg/L | No | ND | 2.70 | 0.39 | 489 | No | ND | ND | ND | 14 | No | ND | 1.88 | 0.41 | 231 |
| Potassium | Naturally occurring | n/a | n/a | mg/L | No | 0.23 | 3.52 | 1.14 | 489 | No | 0.34 | 0.87 | 0.50 | 14 | No | 0.38 | 3.03 | 1.31 | 231 |
| Silicon | Naturally occurring | n/a | n/a | mg/L | No | 3.2 | 11.0 | 6.7 | 490 | No | 4.3 | 7.0 | 5.4 | 14 | No | 4.9 | 10.7 | 7.2 | 218 |
| Sodium | Naturally occurring | n/a | n/a | mg/L | No | 3.0 | 67.6 | 17.0 | 489 | No | 3.9 | 11.0 | 5.9 | 14 | No | 3.8 | 89.0 | 21.4 | 231 |
| Specific Conductance | Total of naturally occurring minerals | n/a | n/a | umho/cm | No | 40 | 617 | 245 | 261 | No | 46 | 167 | 84 | 14 | No | 48 | 744 | 240 | 167 |
| Strontium-88 | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.202 | 0.054 | 490 | No | ND | 0.050 | 0.016 | 14 | No | ND | 0.170 | 0.063 | 218 |
| Sulfate | Naturally occurring | 250 | n/a | mg/L | No | ND | 31.3 | 13.2 | 421 | No | ND | 6.4 | ND | 14 | No | ND | 38.6 | 11.5 | 503 |
| Titanium | Naturally occurring | n/a | n/a | ug/L | No | ND | 10.1 | ND | 489 | No | ND | ND | ND | 14 | No | ND | 5.3 | ND | 231 |
| Total Organic Carbon (TOC) | Naturally occurring | n/a | n/a | mg/L | No | ND | 1.0 | ND | 26 | No | ND | ND | ND | 4 | No | ND | 0.6 | ND | 12 |
| Turbidity | Silts and clays in aquifer | 5 | n/a | NTU | No | ND | 3.65 | 0.57 | 261 | No | ND | 1.13 | ND | 14 | No | ND | 4.64 | 0.56 | 167 |
| Vanadium | Naturally occurring | n/a | n/a | ug/L | No | ND | 5.4 | ND | 490 | No | ND | ND | ND | 14 | No | ND | 6.5 | ND | 218 |
| Zinc | Naturally occurring, plumbing | 5 | n/a | mg/L | No | ND | 0.03 | ND | 490 | No | ND | 0.02 | ND | 14 | No | ND | ND | ND | 218 |
| **Synthetic Organic Compounds including Pesticides and Herbicides** (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32) | | | | | | | | | | | | | | | | | | | |
| Alachlor ESA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 254 | No | ND | ND | ND | 14 | No | ND | ND | ND | 183 |
| Alachlor OA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 254 | No | ND | ND | ND | 14 | No | ND | ND | ND | 183 |
| Aldicarb Sulfone | Pesticide used on row crops | 2 | 1 | ug/L | No | ND | ND | ND | 256 | No | ND | ND | ND | 14 | No | ND | ND | ND | 177 |
| Aldicarb Sulfoxide | Pesticide used on row crops | 4 | 1 | ug/L | No | ND | ND | ND | 256 | No | ND | ND | ND | 14 | No | ND | ND | ND | 177 |
| Chlordane, Total | Residue of banned termiticide | 2 | n/a | ug/L | No | ND | 0.30 | ND | 269 | No | ND | ND | ND | 14 | No | ND | 0.26 | ND | 175 |
| Diethyltoluamide (DEET) | Insect Repellent | 50 | n/a | ug/L | No | ND | ND | ND | 256 | No | ND | ND | ND | 14 | No | ND | ND | ND | 175 |
| 1,4-Dioxane | Used in manufacturing processes | *1 | n/a | ug/L | No | ND | 1.22 | 0.17 | 387 | No | ND | 0.37 | 0.13 | 17 | No | ND | 0.77 | 0.22 | 253 |
| Hexazinone | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 256 | No | ND | ND | ND | 14 | No | ND | ND | ND | 175 |
| Metalaxyl | Used as a fungicide | 50 | n/a | ug/L | No | ND | ND | ND | 256 | No | ND | ND | ND | 14 | No | ND | ND | ND | 175 |
| Metolachlor ESA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 254 | No | ND | ND | ND | 14 | No | ND | ND | ND | 183 |
| Metolachlor OA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 254 | No | ND | ND | ND | 14 | No | ND | ND | ND | 183 |
| Tetrachloroterephthalic Acid | Used as a herbicide | 50 | n/a | ug/L | No | ND | 3.62 | ND | 269 | No | ND | ND | ND | 14 | No | ND | 1.16 | ND | 174 |
| **Volatile Organic Compounds** | | | | | | | | | | | | | | | | | | | |
| Chlorobenzene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | 0.24 | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.34 | ND | 338 |
| Chlorodifluoromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | 0.91 | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| Chloromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| Cis-1,2-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | 0.65 | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.58 | ND | 338 |
| 1,3-Dichlorobenzene | Used as a fumigant and insecticide | 5 | n/a | ug/L | No | ND | ND | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| Dichlorodifluoromethane | Refrigerant, aerosol propellant | 5 | n/a | ug/L | No | ND | 1.95 | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| 1,1-Dichloroethane | Degreaser, gasoline, manufacturing | 5 | n/a | ug/L | No | ND | 2.44 | ND | 539 | No | ND | 0.28 | ND | 22 | No | ND | 1.36 | ND | 338 |
| 1,1-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | 1.30 | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.96 | ND | 338 |
| 1,2-Dichloropropane | From industrial chemical factories | 5 | 0 | ug/L | No | ND | ND | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.37 | ND | 338 |
| Ethyl Benzene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | 0.27 | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| 4-Methyl-2-Pentanone | From manufacturing facilities | 50 | n/a | ug/L | No | ND | 3.42 | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| Methylene Chloride | From industrial chemical factories | 5 | n/a | ug/L | No | ND | 0.61 | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| Methylethylketone | Used in the coatings industry | 50 | n/a | ug/L | No | ND | 16.53 | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| Methyl-Tert-Butyl Ether | Gasoline | 10 | n/a | ug/L | No | ND | 1.88 | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.77 | ND | 338 |
| o-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | 1.43 | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.27 | ND | 338 |
| p,m-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | 0.93 | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| Tetrachloroethene | Factories, dry cleaners, spills | 5 | 0 | ug/L | No | ND | 2.13 | ND | 539 | No | ND | ND | ND | 22 | No | ND | 1.07 | ND | 338 |
| Toluene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | 0.17 | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| 1,2,4-Trichlorobenzene | Discharge from textile-finishing factories | 5 | n/a | ug/L | No | ND | ND | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |
| 1,1,1-Trichloroethane | Metal degreasing sites, factories | 5 | n/a | ug/L | No | ND | 1.22 | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.99 | ND | 338 |
| Trichloroethene | Metal degreasing sites, factories | 5 | 0 | ug/L | No | ND | 0.91 | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.64 | ND | 338 |
| Trichlorofluoromethane | Dry cleaning,propellant,fire extinguishers | 5 | n/a | ug/L | No | ND | ND | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.98 | ND | 338 |
| 1,2,3-Trichloropropane | Degreasing agent, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.69 | ND | 338 |
| 1,1,2-Trichlorotrifluoroethane | Solvent in paints and varnishes | 5 | n/a | ug/L | No | ND | 0.47 | ND | 539 | No | ND | ND | ND | 22 | No | ND | 0.51 | ND | 338 |
| 1,2,4-Trimethylbenzene | Gasoline, oil refinery | 5 | n/a | ug/L | No | ND | ND | ND | 539 | No | ND | ND | ND | 22 | No | ND | ND | ND | 338 |

# 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 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Violation Yes/No | Range of Readings Low Value | High Value | Avg. Value | No. of Tests | Violation Yes/No | Range of Readings Low Value | High Value | Avg. Value | No. of Tests | Violation Yes/No | Range of Readings Low Value | High Value | Avg. Value | No. of Tests |
| **Inorganics** | | | | | | | | | | | | | | | | | | | |
| Alkalinity to pH 4.5 mg CaCO3/L | Naturally occurring | n/a | n/a | mg/L | No | ND | 112.6 | 47.9 | 109 | No | 22.6 | 161.4 | 51.7 | 31 | No | 26.2 | 158.6 | 65.9 | 112 |
| Aluminum | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.10 | 0.03 | 128 | No | ND | 0.09 | 0.02 | 31 | No | ND | 0.25 | 0.05 | 141 |
| Ammonia, free | Some fertilizers, septic systems | n/a | n/a | mg/L | No | ND | ND | ND | 139 | No | ND | 0.07 | ND | 34 | No | ND | ND | ND | 148 |
| Arsenic | Erosion of natural deposits | 10 | 0 | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 31 | No | ND | ND | ND | 141 |
| Barium | Erosion of natural deposits | 2 | 2 | mg/L | No | ND | 0.08 | 0.03 | 128 | No | 0.02 | 0.10 | 0.06 | 31 | No | ND | 0.07 | 0.03 | 141 |
| Boron | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 196 | No | ND | ND | ND | 139 | No | ND | ND | ND | 161 |
| Bromide | Naturally occurring | n/a | n/a | ug/L | No | ND | 150.5 | ND | 129 | No | ND | 117.5 | 67.7 | 35 | No | ND | 443.8 | 79.6 | 117 |
| Cadmium | Natural deposits, galvanized pipe | 5 | 5 | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 31 | No | ND | ND | ND | 141 |
| Calcium | Naturally occurring, pH control | n/a | n/a | mg/L | No | 4.4 | 56.0 | 23.4 | 196 | No | 8.0 | 58.8 | 21.1 | 139 | No | 6.6 | 60.7 | 32.0 | 161 |
| Chloride | Naturally occurring,salt water intrusion,road salt | 250 | n/a | mg/L | No | 9.9 | 79.1 | 37.6 | 243 | No | 23.1 | 74.7 | 47.8 | 39 | No | 12.5 | 173.4 | 53.9 | 519 |
| Chromium, total | Natural deposits | 100 | 100 | ug/L | No | ND | 0.9 | ND | 128 | No | ND | 0.8 | ND | 31 | No | ND | 5.2 | 0.6 | 141 |
| CO2, calculated | Naturally occurring | n/a | n/a | mg/L | No | 0.5 | 26.3 | 4.8 | 109 | No | 1.1 | 98.9 | 13.3 | 31 | No | 0.2 | 24.8 | 6.0 | 112 |
| Cobalt-59 | Naturally occurring | n/a | n/a | ug/L | No | ND | 3.8 | ND | 128 | No | ND | 0.9 | ND | 31 | No | ND | ND | ND | 141 |
| Color, Apparent | Naturally occurring metals or minerals | 15 | n/a | Color Units | No | ND | 12 | ND | 109 | No | ND | 6 | ND | 31 | No | ND | 5 | ND | 112 |
| Copper | Household plumbing | AL=1.3 | 1.3 | mg/L | No | ND | 0.08 | ND | 128 | No | ND | 0.77 | 0.07 | 31 | No | ND | 0.31 | 0.03 | 141 |
| Fluoride | Erosion of natural deposits | 2.2 | n/a | mg/L | No | ND | ND | ND | 243 | No | ND | ND | ND | 39 | No | ND | ND | ND | 519 |
| Hardness, total | Measure of the calcium and magnesium | n/a | n/a | mg/L | No | 17.4 | 168.9 | 78.0 | 196 | No | 33.4 | 196.0 | 80.5 | 139 | No | 27.7 | 212.0 | 110.1 | 161 |
| Hexavalent Chromium | Erosion of natural deposits | n/a | n/a | ug/L | No | ND | 0.74 | 0.30 | 135 | No | ND | 0.48 | 0.19 | 31 | No | ND | 3.94 | 0.36 | 121 |
| Iron | Naturally occurring | 300 | n/a | ug/L | Yes | ND | 712 | 121 | 196 | Yes | ND | 657 | 111 | 139 | No | ND | 150 | 36 | 161 |
| Lead | Household plumbing, lead solder | AL=15 | 0 | mg/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 31 | No | ND | ND | ND | 141 |
| Lithium | Naturally occurring | n/a | n/a | ug/L | No | ND | 5.3 | 1.1 | 128 | No | ND | 2.1 | 1.2 | 31 | No | ND | 2.9 | ND | 141 |
| Magnesium | Naturally occurring | n/a | n/a | mg/L | No | 1.50 | 9.11 | 4.73 | 196 | No | 3.25 | 11.95 | 6.77 | 139 | No | 2.74 | 14.90 | 7.35 | 161 |
| Manganese | Naturally occurring | 300 | n/a | ug/L | No | ND | 225 | 26 | 196 | No | ND | 159 | 20 | 139 | No | ND | 171 | 22 | 161 |
| Molybdenum | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 31 | No | ND | ND | ND | 141 |
| Nickel | Alloys, coatings manufacturing, batteries | 100 | n/a | ug/L | No | ND | 2.1 | 0.5 | 128 | No | ND | 1.9 | ND | 31 | No | ND | 1.7 | 0.6 | 141 |
| Nitrate | Natural deposits, fertilizer, septic tanks | 10 | 10 | mg/L | No | ND | 9.28 | 3.83 | 243 | No | 0.05 | 6.04 | 2.32 | 39 | No | 0.03 | 9.45 | 4.81 | 519 |
| Perchlorate | Fertilizers, solid fuel propellant, fireworks | 15 | 5 | ug/L | No | ND | 0.67 | 0.17 | 123 | No | ND | 0.38 | 0.15 | 34 | No | ND | 4.47 | 1.63 | 193 |
| pH | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.5 | 8.3 | 7.4 | 160 | No | 5.7 | 7.8 | 7.1 | 48 | No | 6.3 | 8.6 | 7.5 | 212 |
| pH, field | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.7 | 8.3 | 7.4 | 1,254 | No | 5.5 | 8.6 | 7.4 | 257 | No | 5.5 | 9.0 | 7.4 | 838 |
| Phosphate, total | Added to keep iron in solution | n/a | n/a | mg/L | No | ND | 3.55 | 0.44 | 196 | No | ND | 3.99 | 1.59 | 139 | No | ND | 2.99 | 0.34 | 161 |
| Potassium | Naturally occurring | n/a | n/a | mg/L | No | 0.45 | 3.87 | 1.39 | 196 | No | 0.98 | 2.80 | 1.70 | 139 | No | 0.57 | 5.23 | 2.30 | 161 |
| Silicon | Naturally occurring | n/a | n/a | mg/L | No | 5.5 | 12.1 | 7.6 | 128 | No | 7.7 | 11.0 | 9.4 | 31 | No | 4.3 | 8.6 | 6.6 | 141 |
| Sodium | Naturally occurring | n/a | n/a | mg/L | No | 7.4 | 48.3 | 18.7 | 196 | No | 15.3 | 49.7 | 28.3 | 139 | No | 8.1 | 83.2 | 34.0 | 161 |
| Specific Conductance | Total of naturally occurring minerals | n/a | n/a | umho/cm | No | 86 | 479 | 237 | 109 | No | 169 | 453 | 305 | 31 | No | 121 | 883 | 382 | 112 |
| Strontium-88 | Naturally occurring | n/a | n/a | mg/L | No | 0.023 | 0.134 | 0.071 | 128 | No | 0.045 | 0.126 | 0.082 | 31 | No | 0.038 | 0.216 | 0.112 | 141 |
| Sulfate | Naturally occurring | 250 | n/a | mg/L | No | 3.7 | 59.7 | 21.4 | 243 | No | 8.0 | 25.4 | 13.1 | 39 | No | 5.8 | 68.2 | 34.8 | 519 |
| Titanium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 196 | No | ND | ND | ND | 139 | No | ND | 9.0 | ND | 161 |
| Total Organic Carbon (TOC) | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.7 | ND | 10 | No | ND | ND | ND | 6 | No | ND | 0.7 | ND | 6 |
| Turbidity | Silts and clays in aquifer | 5 | n/a | NTU | No | ND | 2.30 | 0.50 | 109 | No | ND | 5.19 | 0.95 | 31 | No | ND | 1.84 | 0.56 | 111 |
| Vanadium | Naturally occurring | n/a | n/a | ug/L | No | ND | 7.0 | ND | 128 | No | ND | ND | ND | 31 | No | ND | 1.3 | ND | 141 |
| Zinc | Naturally occurring, plumbing | 5 | n/a | mg/L | No | ND | ND | ND | 128 | No | ND | ND | ND | 31 | No | ND | ND | ND | 141 |
| **Synthetic Organic Compounds including Pesticides and Herbicides** (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32) | | | | | | | | | | | | | | | | | | | |
| Alachlor ESA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 135 | No | ND | ND | ND | 33 | No | ND | 1.12 | ND | 149 |
| Alachlor OA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 135 | No | ND | ND | ND | 33 | No | ND | 0.85 | ND | 149 |
| Aldicarb Sulfone | Pesticide used on row crops | 2 | 1 | ug/L | No | ND | ND | ND | 127 | No | ND | ND | ND | 33 | No | ND | 0.64 | ND | 204 |
| Aldicarb Sulfoxide | Pesticide used on row crops | 4 | 1 | ug/L | No | ND | 0.55 | ND | 127 | No | ND | ND | ND | 33 | No | ND | 0.55 | ND | 204 |
| Chlordane, Total | Residue of banned termiticide | 2 | n/a | ug/L | No | ND | ND | ND | 120 | No | ND | ND | ND | 33 | No | ND | ND | ND | 123 |
| Diethyltoluamide (DEET) | Insect Repellent | 50 | n/a | ug/L | No | ND | ND | ND | 124 | No | ND | 0.21 | ND | 32 | No | ND | ND | ND | 141 |
| 1,4-Dioxane | Used in manufacturing processes | *1 | n/a | ug/L | No | ND | 0.24 | ND | 140 | No | ND | 0.93 | 0.09 | 42 | No | ND | 0.10 | ND | 136 |
| Hexazinone | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 124 | No | ND | ND | ND | 32 | No | ND | 0.21 | ND | 141 |
| Metalaxyl | Used as a fungicide | 50 | n/a | ug/L | No | ND | ND | ND | 124 | No | ND | ND | ND | 32 | No | ND | 0.55 | ND | 141 |
| Metolachlor ESA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | 1.33 | ND | 135 | No | ND | ND | ND | 33 | No | ND | 2.66 | ND | 149 |
| Metolachlor OA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | 0.58 | ND | 135 | No | ND | ND | ND | 33 | No | ND | 2.22 | ND | 149 |
| Tetrachloroterephthalic Acid | Used as a herbicide | 50 | n/a | ug/L | No | ND | 2.09 | ND | 126 | No | ND | ND | ND | 33 | No | ND | 12.18 | 1.49 | 175 |
| **Volatile Organic Compounds** | | | | | | | | | | | | | | | | | | | |
| Chlorobenzene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| Chlorodifluoromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | 30.32 | 0.48 | 216 | No | ND | 0.87 | ND | 68 | No | ND | ND | ND | 193 |
| Chloromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| Cis-1,2-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| 1,3-Dichlorobenzene | Used as a fumigant and insecticide | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| Dichlorodifluoromethane | Refrigerant, aerosol propellant | 5 | n/a | ug/L | No | ND | 0.54 | ND | 216 | No | ND | 0.45 | ND | 68 | No | ND | ND | ND | 193 |
| 1,1-Dichloroethane | Degreaser, gasoline, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| 1,1-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| 1,2-Dichloropropane | From industrial chemical factories | 5 | 0 | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | 0.28 | ND | 193 |
| Ethyl Benzene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | 0.29 | ND | 68 | No | ND | ND | ND | 193 |
| 4-Methyl-2-Pentanone | From manufacturing facilities | 50 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| Methylene Chloride | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| Methylethylketone | Used in the coatings industry | 50 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| Methyl-Tert-Butyl Ether | Gasoline | 10 | n/a | ug/L | No | ND | 0.30 | ND | 216 | No | ND | 0.27 | ND | 68 | No | ND | 0.30 | ND | 193 |
| o-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| p,m-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| Tetrachloroethene | Factories, dry cleaners, spills | 5 | 0 | ug/L | No | ND | ND | ND | 216 | No | ND | 0.62 | ND | 68 | No | ND | ND | ND | 193 |
| Toluene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| 1,2,4-Trichlorobenzene | Discharge from textile-finishing factories | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| 1,1,1-Trichloroethane | Metal degreasing sites, factories | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| Trichloroethene | Metal degreasing sites, factories | 5 | 0 | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| Trichlorofluoromethane | Dry cleaning,propellant,fire extinguishers | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| 1,2,3-Trichloropropane | Degreasing agent, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| 1,1,2-Trichlorotrifluoroethane | Solvent in paints and varnishes | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |
| 1,2,4-Trimethylbenzene | Gasoline, oil refinery | 5 | n/a | ug/L | No | ND | ND | ND | 216 | No | ND | ND | ND | 68 | No | ND | ND | ND | 193 |

# 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 Violation Yes/No | Area 32 Range of Readings Low Value | Area 32 High Value | Area 32 Avg. Value | Area 32 No. of Tests | Distribution Area 34 Violation Yes/No | Area 34 Range of Readings Low Value | Area 34 High Value | Area 34 Avg. Value | Area 34 No. of Tests | Distribution Area 35 Violation Yes/No | Area 35 Range of Readings Low Value | Area 35 High Value | Area 35 Avg. Value | Area 35 No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Inorganics** | | | | | | | | | | | | | | | | | | | |
| Alkalinity to pH 4.5 mg CaCO3/L | Naturally occurring | n/a | n/a | mg/L | No | 27.6 | 54.2 | 43.1 | 6 | No | 35.6 | 42.0 | 39.3 | 6 | No | 46.8 | 99.0 | 75.3 | 10 |
| Aluminum | Naturally occurring | n/a | n/a | mg/L | No | 0.02 | 0.08 | 0.05 | 6 | No | ND | 0.04 | ND | 6 | No | ND | ND | ND | 11 |
| Ammonia, free | Some fertilizers, septic systems | n/a | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Arsenic | Erosion of natural deposits | 10 | 0 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | 2.0 | ND | 11 |
| Barium | Erosion of natural deposits | 2 | 2 | mg/L | No | ND | 0.18 | 0.04 | 6 | No | ND | ND | ND | 6 | No | ND | 0.03 | ND | 11 |
| Boron | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 11 |
| Bromide | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | 112.4 | 55.5 | 10 |
| Cadmium | Natural deposits, galvanized pipe | 5 | 5 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 11 |
| Calcium | Naturally occurring, pH control | n/a | n/a | mg/L | No | 9.2 | 21.8 | 16.5 | 6 | No | 12.3 | 15.4 | 14.2 | 6 | No | 25.1 | 32.4 | 28.5 | 11 |
| Chloride | Naturally occurring,salt water intrusion,road salt | 250 | n/a | mg/L | No | 41.0 | 113.8 | 61.0 | 6 | No | 12.6 | 14.9 | 13.8 | 6 | No | ND | 12.6 | 3.4 | 23 |
| Chromium, total | Natural deposits | 100 | 100 | ug/L | No | ND | 0.7 | ND | 6 | No | ND | 0.6 | ND | 6 | No | ND | 0.8 | ND | 11 |
| CO2, calculated | Naturally occurring | n/a | n/a | mg/L | No | 1.6 | 14.8 | 5.1 | 6 | No | 2.1 | 11.1 | 6.1 | 6 | No | 4.8 | 21.4 | 11.5 | 10 |
| Cobalt-59 | Naturally occurring | n/a | n/a | ug/L | No | ND | 0.8 | ND | 6 | No | ND | ND | ND | 6 | No | ND | 1.5 | ND | 11 |
| Color, Apparent | Naturally occurring metals or minerals | 15 | n/a | Color Units | No | ND | 7 | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Copper | Household plumbing | AL=1.3 | 1.3 | mg/L | No | ND | ND | ND | 6 | No | ND | 0.04 | 0.03 | 6 | No | ND | 0.27 | 0.10 | 11 |
| Fluoride | Erosion of natural deposits | 2.2 | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 23 |
| Hardness, total | Measure of the calcium and magnesium | n/a | n/a | mg/L | No | 32.2 | 65.9 | 52.1 | 6 | No | 44.9 | 53.9 | 48.0 | 6 | No | 92.6 | 141.4 | 113.6 | 11 |
| Hexavalent Chromium | Erosion of natural deposits | n/a | n/a | ug/L | No | 0.17 | 0.43 | 0.34 | 6 | No | 0.19 | 0.46 | 0.33 | 6 | No | ND | 0.26 | 0.10 | 10 |
| Iron | Naturally occurring | 300 | n/a | ug/L | No | ND | 53 | 33 | 6 | No | ND | 31 | ND | 6 | No | ND | ND | ND | 11 |
| Lead | Household plumbing, lead solder | AL=15 | 0 | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 11 |
| Lithium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | 9.8 | 1.7 | 11 |
| Magnesium | Naturally occurring | n/a | n/a | mg/L | No | 2.22 | 2.81 | 2.61 | 6 | No | 2.69 | 3.78 | 3.04 | 6 | No | 7.26 | 14.71 | 10.28 | 11 |
| Manganese | Naturally occurring | 300 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 11 |
| Molybdenum | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 11 |
| Nickel | Alloys, coatings manufacturing, batteries | 100 | n/a | ug/L | No | ND | 0.7 | ND | 6 | No | ND | ND | ND | 6 | No | ND | 7.3 | 0.9 | 11 |
| Nitrate | Natural deposits, fertilizer, septic tanks | 10 | 10 | mg/L | No | 0.35 | 0.80 | 0.60 | 6 | No | 0.45 | 0.90 | 0.57 | 6 | No | 0.01 | 3.00 | 1.06 | 23 |
| Perchlorate | Fertilizers, solid fuel propellant, fireworks | 15 | 5 | ug/L | No | ND | 0.12 | ND | 7 | No | ND | ND | ND | 6 | No | ND | 1.79 | 1.08 | 13 |
| pH | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.8 | 7.6 | 7.3 | 7 | No | 6.9 | 7.6 | 7.2 | 7 | No | 6.4 | 7.6 | 7.1 | 31 |
| pH, field | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 7.0 | 8.0 | 7.4 | 59 | No | 6.4 | 7.8 | 7.2 | 106 | No | 6.8 | 8.1 | 7.3 | 100 |
| Phosphate, total | Added to keep iron in solution | n/a | n/a | mg/L | No | ND | 0.26 | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 11 |
| Potassium | Naturally occurring | n/a | n/a | mg/L | No | 0.67 | 0.94 | 0.75 | 6 | No | 0.69 | 0.95 | 0.75 | 6 | No | 1.25 | 1.94 | 1.51 | 11 |
| Silicon | Naturally occurring | n/a | n/a | mg/L | No | 3.9 | 5.4 | 4.8 | 6 | No | 5.9 | 7.2 | 6.3 | 6 | No | 8.0 | 8.9 | 8.2 | 11 |
| Sodium | Naturally occurring | n/a | n/a | mg/L | No | 26.2 | 65.0 | 37.7 | 6 | No | 8.9 | 9.9 | 9.2 | 6 | No | 18.9 | 55.8 | 39.4 | 11 |
| Specific Conductance | Total of naturally occurring minerals | n/a | n/a | umho/cm | No | 248 | 451 | 304 | 6 | No | 142 | 159 | 148 | 6 | No | 299 | 514 | 416 | 10 |
| Strontium-88 | Naturally occurring | n/a | n/a | mg/L | No | 0.045 | 0.171 | 0.075 | 6 | No | 0.035 | 0.054 | 0.041 | 6 | No | 0.096 | 0.165 | 0.122 | 11 |
| Sulfate | Naturally occurring | 250 | n/a | mg/L | No | 6.1 | 9.3 | 6.9 | 6 | No | 8.3 | 12.1 | 9.3 | 6 | No | ND | 6.2 | ND | 23 |
| Titanium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 11 |
| Total Organic Carbon (TOC) | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 2 | No | ND | 0.7 | ND | 2 |
| Turbidity | Silts and clays in aquifer | 5 | n/a | NTU | No | ND | 1.39 | 0.67 | 6 | No | ND | 0.59 | ND | 6 | No | ND | ND | ND | 10 |
| Vanadium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | 2.6 | ND | 6 | No | ND | ND | ND | 11 |
| Zinc | Naturally occurring, plumbing | 5 | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | 0.08 | 0.03 | 11 |
| **Synthetic Organic Compounds including Pesticides and Herbicides** (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32) | | | | | | | | | | | | | | | | | | | |
| Alachlor ESA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 16 |
| Alachlor OA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 16 |
| Aldicarb Sulfone | Pesticide used on row crops | 2 | 1 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Aldicarb Sulfoxide | Pesticide used on row crops | 4 | 1 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Chlordane, Total | Residue of banned termiticide | 2 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Diethyltoluamide (DEET) | Insect Repellent | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 16 |
| 1,4-Dioxane | Used in manufacturing processes | *1 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 10 |
| Hexazinone | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 16 |
| Metalaxyl | Used as a fungicide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 16 |
| Metolachlor ESA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 16 |
| Metolachlor OA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | ND | ND | 16 |
| Tetrachloroterephthalic Acid | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 6 | No | ND | 13.61 | 2.07 | 33 |
| **Volatile Organic Compounds** | | | | | | | | | | | | | | | | | | | |
| Chlorobenzene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Chlorodifluoromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Chloromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Cis-1,2-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| 1,3-Dichlorobenzene | Used as a fumigant and insecticide | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Dichlorodifluoromethane | Refrigerant, aerosol propellant | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| 1,1-Dichloroethane | Degreaser, gasoline, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| 1,1-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| 1,2-Dichloropropane | From industrial chemical factories | 5 | 0 | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Ethyl Benzene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| 4-Methyl-2-Pentanone | From manufacturing facilities | 50 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Methylene Chloride | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Methylethylketone | Used in the coatings industry | 50 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Methyl-Tert-Butyl Ether | Gasoline | 10 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| o-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| p,m-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Tetrachloroethene | Factories, dry cleaners, spills | 5 | 0 | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Toluene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| 1,2,4-Trichlorobenzene | Discharge from textile-finishing factories | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| 1,1,1-Trichloroethane | Metal degreasing sites, factories | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Trichloroethene | Metal degreasing sites, factories | 5 | 0 | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| Trichlorofluoromethane | Dry cleaning,propellant,fire extinguishers | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| 1,2,3-Trichloropropane | Degreasing agent, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| 1,1,2-Trichlorotrifluoroethane | Solvent in paints and varnishes | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |
| 1,2,4-Trimethylbenzene | Gasoline, oil refinery | 5 | n/a | ug/L | No | ND | ND | ND | 8 | No | ND | ND | ND | 10 | No | ND | ND | ND | 34 |

# WATER QUALITY DATA BY DISTRIBUTION AREA

*Naturally Occuring Compounds as well as Contaminants*

| Detected Compound | Likely Source | MCL | MCLG | 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 Range of Readings 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 Range of Readings 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 Range of Readings Avg. Value | Distribution Area 54 No. of Tests |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Inorganics** | | | | | | | | | | | | | | | | | | | |
| Alkalinity to pH 4.5 mg CaCO3/L | Naturally occurring | n/a | n/a | mg/L | No | 35.4 | 44.4 | 40.2 | 6 | No | ND | 48.2 | 36.4 | 20 | No | 20.0 | 38.4 | 29.3 | 29 |
| Aluminum | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.04 | ND | 6 | No | 0.06 | 0.87 | 0.37 | 27 | No | 0.03 | 0.67 | 0.27 | 39 |
| Ammonia, free | Some fertilizers, septic systems | n/a | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 37 |
| Arsenic | Erosion of natural deposits | 10 | 0 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 27 | No | ND | ND | ND | 39 |
| Barium | Erosion of natural deposits | 2 | 2 | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 27 | No | ND | ND | ND | 39 |
| Boron | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | 0.11 | ND | 64 | No | ND | 0.13 | ND | 75 |
| Bromide | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 30 | No | ND | ND | ND | 64 |
| Cadmium | Natural deposits, galvanized pipe | 5 | 5 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 27 | No | ND | ND | ND | 39 |
| Calcium | Naturally occurring, pH control | n/a | n/a | mg/L | No | 12.6 | 19.9 | 16.8 | 6 | No | ND | 1.0 | 0.6 | 64 | No | ND | 1.2 | ND | 75 |
| Chloride | Naturally occurring,salt water intrusion,road salt | 250 | n/a | mg/L | No | 14.3 | 22.9 | 17.1 | 6 | No | 4.3 | 5.8 | 4.8 | 20 | No | 4.0 | 10.2 | 5.1 | 30 |
| Chromium, total | Natural deposits | 100 | 100 | ug/L | No | ND | ND | ND | 6 | No | ND | 1.0 | ND | 27 | No | ND | 0.6 | ND | 39 |
| CO2, calculated | Naturally occurring | n/a | n/a | mg/L | No | 2.0 | 3.9 | 2.6 | 6 | No | 2.0 | 38.6 | 7.5 | 20 | No | 1.1 | 13.0 | 5.1 | 29 |
| Cobalt-59 | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 27 | No | ND | ND | ND | 39 |
| Color, Apparent | Naturally occurring metals or minerals | 15 | n/a | Color Units | No | ND | 7 | ND | 6 | Yes | 5 | 20 | 11 | 20 | No | ND | 12 | 7 | 29 |
| Copper | Household plumbing | AL=1.3 | 1.3 | mg/L | No | ND | ND | ND | 6 | No | ND | 0.05 | ND | 27 | No | ND | 0.04 | ND | 39 |
| Fluoride | Erosion of natural deposits | 2.2 | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | 0.2 | ND | 30 |
| Hardness, total | Measure of the calcium and magnesium | n/a | n/a | mg/L | No | 45.1 | 68.8 | 57.9 | 6 | No | ND | 3.9 | ND | 64 | No | ND | 3.1 | ND | 75 |
| Hexavalent Chromium | Erosion of natural deposits | n/a | n/a | ug/L | No | ND | 0.37 | 0.26 | 8 | No | ND | 0.28 | ND | 22 | No | ND | 0.38 | ND | 30 |
| Iron | Naturally occurring | 300 | n/a | ug/L | No | ND | 163 | 57 | 6 | Yes | 135 | 743 | 352 | 64 | No | 64 | 744 | 243 | 75 |
| Lead | Household plumbing, lead solder | AL=15 | 0 | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 27 | No | ND | ND | ND | 39 |
| Lithium | Naturally occurring | n/a | n/a | ug/L | No | ND | 2.4 | 1.1 | 6 | No | 3.4 | 9.3 | 6.6 | 27 | No | 2.2 | 6.5 | 4.1 | 39 |
| Magnesium | Naturally occurring | n/a | n/a | mg/L | No | 3.34 | 4.62 | 3.86 | 6 | No | ND | 0.45 | ND | 64 | No | ND | ND | ND | 75 |
| Manganese | Naturally occurring | 300 | n/a | ug/L | No | ND | 25 | 11 | 6 | No | ND | ND | ND | 64 | No | ND | ND | ND | 75 |
| Molybdenum | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 27 | No | ND | ND | ND | 39 |
| Nickel | Alloys, coatings manufacturing, batteries | 100 | n/a | ug/L | No | ND | 1.7 | ND | 6 | No | ND | 7.3 | 0.6 | 27 | No | ND | 1.4 | ND | 39 |
| Nitrate | Natural deposits, fertilizer, septic tanks | 10 | 10 | mg/L | No | 0.26 | 0.89 | 0.68 | 6 | No | ND | 0.02 | ND | 20 | No | ND | 0.03 | ND | 30 |
| Perchlorate | Fertilizers, solid fuel propellant, fireworks | 15 | 5 | ug/L | No | ND | 0.14 | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| pH | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 7.3 | 7.6 | 7.5 | 6 | No | 6.0 | 7.7 | 7.1 | 20 | No | 6.5 | 7.9 | 7.1 | 31 |
| pH, field | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.8 | 9.0 | 7.5 | 56 | No | 6.3 | 8.0 | 7.3 | 72 | No | 6.7 | 8.5 | 7.3 | 140 |
| Phosphate, total | Added to keep iron in solution | n/a | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | 4.87 | 1.06 | 64 | No | ND | 2.00 | 0.34 | 75 |
| Potassium | Naturally occurring | n/a | n/a | mg/L | No | 0.76 | 0.85 | 0.80 | 6 | No | 1.57 | 4.39 | 2.98 | 64 | No | 0.97 | 3.55 | 1.66 | 75 |
| Silicon | Naturally occurring | n/a | n/a | mg/L | No | 6.5 | 9.4 | 7.6 | 6 | No | 4.5 | 5.9 | 5.0 | 27 | No | 2.9 | 5.8 | 4.9 | 39 |
| Sodium | Naturally occurring | n/a | n/a | mg/L | No | 9.6 | 13.8 | 11.2 | 6 | No | 8.7 | 23.6 | 17.8 | 64 | No | 10.1 | 24.0 | 16.5 | 75 |
| Specific Conductance | Total of naturally occurring minerals | n/a | n/a | umho/cm | No | 145 | 209 | 179 | 6 | No | 56 | 123 | 96 | 20 | No | 61 | 95 | 81 | 29 |
| Strontium-88 | Naturally occurring | n/a | n/a | mg/L | No | 0.044 | 0.077 | 0.054 | 6 | No | ND | ND | ND | 27 | No | ND | ND | ND | 39 |
| Sulfate | Naturally occurring | 250 | n/a | mg/L | No | 10.4 | 31.0 | 16.9 | 6 | No | 4.1 | 5.1 | 4.6 | 20 | No | 3.7 | 6.1 | 4.2 | 30 |
| Titanium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | 71.7 | 16.9 | 64 | No | ND | 22.7 | 10.6 | 75 |
| Total Organic Carbon (TOC) | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 2 | No | ND | 1.0 | ND | 8 | No | 0.5 | 1.3 | 0.8 | 10 |
| Turbidity | Silts and clays in aquifer | 5 | n/a | NTU | No | ND | 1.06 | 0.54 | 6 | No | 0.47 | 4.20 | 2.41 | 20 | No | ND | 5.54 | 1.30 | 29 |
| Vanadium | Naturally occurring | n/a | n/a | ug/L | No | ND | 5.2 | 1.6 | 6 | No | ND | ND | ND | 27 | No | ND | ND | ND | 39 |
| Zinc | Naturally occurring, plumbing | 5 | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | 0.04 | ND | 27 | No | ND | ND | ND | 39 |
| **Synthetic Organic Compounds including Pesticides and Herbicides** (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32) | | | | | | | | | | | | | | | | | | | |
| Alachlor ESA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Alachlor OA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Aldicarb Sulfone | Pesticide used on row crops | 2 | 1 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Aldicarb Sulfoxide | Pesticide used on row crops | 4 | 1 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Chlordane, Total | Residue of banned termiticide | 2 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Diethyltoluamide (DEET) | Insect Repellent | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| 1,4-Dioxane | Used in manufacturing processes | *1 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Hexazinone | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Metalaxyl | Used as a fungicide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Metolachlor ESA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Metolachlor OA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| Tetrachloroterephthalic Acid | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 20 | No | ND | ND | ND | 30 |
| **Volatile Organic Compounds** | | | | | | | | | | | | | | | | | | | |
| Chlorobenzene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Chlorodifluoromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Chloromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Cis-1,2-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| 1,3-Dichlorobenzene | Used as a fumigant and insecticide | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Dichlorodifluoromethane | Refrigerant, aerosol propellant | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| 1,1-Dichloroethane | Degreaser, gasoline, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| 1,1-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| 1,2-Dichloropropane | From industrial chemical factories | 5 | 0 | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Ethyl Benzene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| 4-Methyl-2-Pentanone | From manufacturing facilities | 50 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Methylene Chloride | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Methylethylketone | Used in the coatings industry | 50 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Methyl-Tert-Butyl Ether | Gasoline | 10 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| o-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| p,m-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Tetrachloroethene | Factories, dry cleaners, spills | 5 | 0 | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Toluene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| 1,2,4-Trichlorobenzene | Discharge from textile-finishing factories | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| 1,1,1-Trichloroethane | Metal degreasing sites, factories | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Trichloroethene | Metal degreasing sites, factories | 5 | 0 | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| Trichlorofluoromethane | Dry cleaning,propellant,fire extinguishers | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| 1,2,3-Trichloropropane | Degreasing agent, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| 1,1,2-Trichlorotrifluoroethane | Solvent in paints and varnishes | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |
| 1,2,4-Trimethylbenzene | Gasoline, oil refinery | 5 | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 30 | No | ND | ND | ND | 35 |

# WATER QUALITY DATA BY DISTRIBUTION AREA

*Naturally Occuring Compounds as well as Contaminants*

| Detected Compound | Likely Source | MCL | MCLG | Unit of Measure | Distribution Area 57 Violation Yes/No | Range of Readings Low Value | High Value | Avg. Value | No. of Tests | Distribution Area 64 Violation Yes/No | Range of Readings Low Value | High Value | Avg. Value | No. of Tests | Distribution Area EFWD 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 | 29.0 | 63.8 | 48.3 | 6 | No | 50.6 | 76.0 | 58.8 | 12 | No | 30.2 | 50.0 | 38.1 | 6 |
| Aluminum | Naturally occurring | n/a | n/a | mg/L | No | ND | 0.03 | ND | 6 | No | ND | ND | ND | 12 | No | 0.02 | 0.07 | 0.05 | 8 |
| Ammonia, free | Some fertilizers, septic systems | n/a | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 14 | No | ND | ND | ND | 6 |
| Arsenic | Erosion of natural deposits | 10 | 0 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 8 |
| Barium | Erosion of natural deposits | 2 | 2 | mg/L | No | ND | 0.03 | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 8 |
| Boron | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 36 | No | ND | ND | ND | 6 |
| Bromide | Naturally occurring | n/a | n/a | ug/L | No | ND | 71.5 | ND | 6 | No | ND | 172.2 | 53.8 | 13 | No | ND | 52.1 | ND | 14 |
| Cadmium | Natural deposits, galvanized pipe | 5 | 5 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 8 |
| Calcium | Naturally occurring, pH control | n/a | n/a | mg/L | No | 8.6 | 23.3 | 16.9 | 6 | No | 5.2 | 10.3 | 8.0 | 36 | No | 13.0 | 17.9 | 14.8 | 6 |
| Chloride | Naturally occurring,salt water intrusion,road salt | 250 | n/a | mg/L | No | 25.9 | 37.5 | 32.7 | 6 | No | 17.8 | 58.9 | 26.1 | 12 | No | 8.1 | 13.0 | 10.6 | 6 |
| Chromium, total | Natural deposits | 100 | 100 | ug/L | No | ND | 0.6 | ND | 6 | No | ND | 0.7 | ND | 12 | No | ND | ND | ND | 8 |
| CO2, calculated | Naturally occurring | n/a | n/a | mg/L | No | 1.1 | 10.5 | 5.2 | 6 | No | 0.6 | 11.3 | 6.5 | 12 | No | 1.5 | 4.7 | 2.4 | 6 |
| Cobalt-59 | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | 2.3 | 1.3 | 8 |
| Color, Apparent | Naturally occurring metals or minerals | 15 | n/a | Color Units | No | ND | 5 | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Copper | Household plumbing | AL=1.3 | 1.3 | mg/L | No | ND | 0.03 | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 8 |
| Fluoride | Erosion of natural deposits | 2.2 | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Hardness, total | Measure of the calcium and magnesium | n/a | n/a | mg/L | No | 39.5 | 77.3 | 61.7 | 6 | No | 28.9 | 46.1 | 37.2 | 36 | No | 35.6 | 51.6 | 41.3 | 6 |
| Hexavalent Chromium | Erosion of natural deposits | n/a | n/a | ug/L | No | 0.25 | 0.47 | 0.37 | 6 | No | 0.28 | 0.50 | 0.37 | 12 | No | ND | 0.34 | 0.18 | 6 |
| Iron | Naturally occurring | 300 | n/a | ug/L | No | ND | 45 | ND | 6 | No | ND | 272 | 63 | 36 | No | ND | 128 | 58 | 6 |
| Lead | Household plumbing, lead solder | AL=15 | 0 | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 8 |
| Lithium | Naturally occurring | n/a | n/a | ug/L | No | ND | 2.2 | 1.4 | 6 | No | ND | ND | ND | 12 | No | ND | 1.2 | ND | 8 |
| Magnesium | Naturally occurring | n/a | n/a | mg/L | No | 4.13 | 5.62 | 4.74 | 6 | No | 3.06 | 6.71 | 4.20 | 36 | No | 0.75 | 1.66 | 1.06 | 6 |
| Manganese | Naturally occurring | 300 | n/a | ug/L | No | ND | 16 | ND | 6 | No | ND | 10 | ND | 36 | No | ND | ND | ND | 6 |
| Molybdenum | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 8 |
| Nickel | Alloys, coatings manufacturing, batteries | 100 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | 2.0 | 3.1 | 2.6 | 8 |
| Nitrate | Natural deposits, fertilizer, septic tanks | 10 | 10 | mg/L | No | 0.61 | 2.19 | 1.34 | 6 | No | 0.51 | 1.66 | 0.92 | 12 | No | 0.05 | 3.55 | 1.29 | 6 |
| Perchlorate | Fertilizers, solid fuel propellant, fireworks | 15 | 5 | ug/L | No | ND | 0.17 | 0.10 | 6 | No | ND | 0.20 | ND | 12 | No | ND | ND | ND | 6 |
| pH | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.9 | 8.0 | 7.4 | 6 | No | 7.0 | 8.4 | 7.3 | 14 | No | 7.3 | 7.8 | 7.5 | 6 |
| pH, field | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 7.3 | 8.2 | 7.6 | 56 | No | 7.0 | 8.5 | 7.3 | 29 | No | 6.9 | 8.0 | 7.4 | 161 |
| Phosphate, total | Added to keep iron in solution | n/a | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | 1.94 | 1.04 | 36 | No | ND | 0.29 | ND | 6 |
| Potassium | Naturally occurring | n/a | n/a | mg/L | No | 0.85 | 1.44 | 1.20 | 6 | No | 0.78 | 1.48 | 1.05 | 36 | No | 0.46 | 0.81 | 0.59 | 6 |
| Silicon | Naturally occurring | n/a | n/a | mg/L | No | 7.7 | 10.4 | 9.2 | 6 | No | 8.7 | 10.8 | 9.6 | 12 | No | 3.5 | 3.9 | 3.7 | 8 |
| Sodium | Naturally occurring | n/a | n/a | mg/L | No | 15.9 | 23.4 | 19.8 | 6 | No | 23.5 | 58.2 | 35.8 | 36 | No | 5.0 | 8.0 | 6.1 | 6 |
| Specific Conductance | Total of naturally occurring minerals | n/a | n/a | umho/cm | No | 175 | 284 | 235 | 6 | No | 175 | 343 | 231 | 12 | No | 100 | 158 | 127 | 6 |
| Strontium-88 | Naturally occurring | n/a | n/a | mg/L | No | 0.043 | 0.080 | 0.066 | 6 | No | 0.039 | 0.057 | 0.049 | 12 | No | 0.024 | 0.037 | 0.031 | 8 |
| Sulfate | Naturally occurring | 250 | n/a | mg/L | No | 8.6 | 12.8 | 10.1 | 6 | No | 9.4 | 11.6 | 10.3 | 12 | No | ND | 5.4 | 3.1 | 6 |
| Titanium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 36 | No | ND | ND | ND | 6 |
| Total Organic Carbon (TOC) | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 2 | No | ND | 0.5 | ND | 2 | No | ND | 0.5 | ND | 4 |
| Turbidity | Silts and clays in aquifer | 5 | n/a | NTU | No | ND | 0.68 | ND | 6 | No | ND | 0.97 | ND | 12 | No | ND | ND | ND | 6 |
| Vanadium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 8 |
| Zinc | Naturally occurring, plumbing | 5 | n/a | mg/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 8 |
| **Synthetic Organic Compounds including Pesticides and Herbicides** (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32) | | | | | | | | | | | | | | | | | | | |
| Alachlor ESA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Alachlor OA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Aldicarb Sulfone | Pesticide used on row crops | 2 | 1 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Aldicarb Sulfoxide | Pesticide used on row crops | 4 | 1 | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Chlordane, Total | Residue of banned termiticide | 2 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Diethyltoluamide (DEET) | Insect Repellent | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| 1,4-Dioxane | Used in manufacturing processes | *1 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | 0.07 | 3.78 | 1.42 | 6 |
| Hexazinone | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Metalaxyl | Used as a fungicide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Metolachlor ESA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Metolachlor OA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| Tetrachloroterephthalic Acid | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 6 | No | ND | ND | ND | 12 | No | ND | ND | ND | 6 |
| **Volatile Organic Compounds** | | | | | | | | | | | | | | | | | | | |
| Chlorobenzene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Chlorodifluoromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | 2.24 | 0.53 | 22 |
| Chloromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Cis-1,2-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| 1,3-Dichlorobenzene | Used as a fumigant and insecticide | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Dichlorodifluoromethane | Refrigerant, aerosol propellant | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| 1,1-Dichloroethane | Degreaser, gasoline, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| 1,1-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| 1,2-Dichloropropane | From industrial chemical factories | 5 | 0 | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Ethyl Benzene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| 4-Methyl-2-Pentanone | From manufacturing facilities | 50 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Methylene Chloride | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Methylethylketone | Used in the coatings industry | 50 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Methyl-Tert-Butyl Ether | Gasoline | 10 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| o-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| p,m-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Tetrachloroethene | Factories, dry cleaners, spills | 5 | 0 | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Toluene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| 1,2,4-Trichlorobenzene | Discharge from textile-finishing factories | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| 1,1,1-Trichloroethane | Metal degreasing sites, factories | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Trichloroethene | Metal degreasing sites, factories | 5 | 0 | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| Trichlorofluoromethane | Dry cleaning,propellant,fire extinguishers | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| 1,2,3-Trichloropropane | Degreasing agent, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| 1,1,2-Trichlorotrifluoroethane | Solvent in paints and varnishes | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |
| 1,2,4-Trimethylbenzene | Gasoline, oil refinery | 5 | n/a | ug/L | No | ND | ND | ND | 18 | No | ND | ND | ND | 17 | No | ND | ND | ND | 22 |

# WATER QUALITY DATA BY DISTRIBUTION AREA

*Naturally Occuring Compounds as well as Contaminants*

| Detected Compound | Likely Source | MCL | MCLG | Unit of Measure | Distribution Area RSWD | | | | | Distribution Area SBWD | | | | | Distribution Area WNWD | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 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 | 27.2 | 35.0 | 31.1 | 2 | No | 20.6 | 50.8 | 35.0 | 4 | No | 45.6 | 108.6 | 83.3 | 14 |
| Aluminum | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 2 | No | ND | 0.02 | ND | 4 | No | ND | ND | ND | 14 |
| Ammonia, free | Some fertilizers, septic systems | n/a | n/a | mg/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 11 |
| Arsenic | Erosion of natural deposits | 10 | 0 | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 14 |
| Barium | Erosion of natural deposits | 2 | 2 | mg/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | 0.03 | ND | 14 |
| Boron | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 35 |
| Bromide | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 10 | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 |
| Cadmium | Natural deposits, galvanized pipe | 5 | 5 | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 14 |
| Calcium | Naturally occurring, pH control | n/a | n/a | mg/L | No | 8.9 | 10.3 | 9.6 | 2 | No | 5.4 | 19.8 | 12.6 | 4 | No | 6.6 | 13.1 | 10.0 | 35 |
| Chloride | Naturally occurring,salt water intrusion,road salt | 250 | n/a | mg/L | No | 8.0 | 16.9 | 12.5 | 2 | No | 5.6 | 16.4 | 10.2 | 4 | No | 18.5 | 54.6 | 33.2 | 14 |
| Chromium, total | Natural deposits | 100 | 100 | ug/L | No | ND | 0.7 | ND | 2 | No | ND | 1.8 | 1.0 | 4 | No | 0.6 | 1.3 | 1.0 | 14 |
| CO2, calculated | Naturally occurring | n/a | n/a | mg/L | No | 2.5 | 2.8 | 2.7 | 2 | No | 2.5 | 4.4 | 3.3 | 4 | No | 5.0 | 48.6 | 19.2 | 14 |
| Cobalt-59 | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 14 |
| Color, Apparent | Naturally occurring metals or minerals | 15 | n/a | Color Units | No | ND | ND | ND | 2 | No | ND | 5 | ND | 4 | No | ND | 5 | ND | 14 |
| Copper | Household plumbing | AL=1.3 | 1.3 | mg/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | 0.12 | 0.04 | 14 |
| Fluoride | Erosion of natural deposits | 2.2 | n/a | mg/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 14 |
| Hardness, total | Measure of the calcium and magnesium | n/a | n/a | mg/L | No | 33.7 | 36.7 | 35.2 | 2 | No | 17.0 | 60.6 | 38.8 | 4 | No | 29.3 | 47.3 | 39.4 | 35 |
| Hexavalent Chromium | Erosion of natural deposits | n/a | n/a | ug/L | No | 0.19 | 0.46 | 0.32 | 2 | No | 0.50 | 1.51 | 0.88 | 4 | No | 0.44 | 1.01 | 0.77 | 12 |
| Iron | Naturally occurring | 300 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | 71 | 42 | 4 | No | ND | 67 | ND | 35 |
| Lead | Household plumbing, lead solder | AL=15 | 0 | mg/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 14 |
| Lithium | Naturally occurring | n/a | n/a | ug/L | No | 1.1 | 1.4 | 1.3 | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 14 |
| Magnesium | Naturally occurring | n/a | n/a | mg/L | No | 2.70 | 2.77 | 2.73 | 2 | No | 0.83 | 2.69 | 1.78 | 4 | No | 2.74 | 4.36 | 3.54 | 35 |
| Manganese | Naturally occurring | 300 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | 22 | ND | 35 |
| Molybdenum | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 14 |
| Nickel | Alloys, coatings manufacturing, batteries | 100 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 14 |
| Nitrate | Natural deposits, fertilizer, septic tanks | 10 | 10 | mg/L | No | 0.03 | 0.06 | 0.04 | 2 | No | 0.26 | 3.19 | 1.74 | 4 | No | 2.96 | 4.43 | 3.85 | 14 |
| Perchlorate | Fertilizers, solid fuel propellant, fireworks | 15 | 5 | ug/L | No | ND | ND | ND | 2 | No | ND | 0.21 | 0.14 | 4 | No | ND | 0.36 | 0.17 | 13 |
| pH | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 7.3 | 7.4 | 7.4 | 2 | No | 7.1 | 7.6 | 7.3 | 4 | No | 6.7 | 9.3 | 7.3 | 19 |
| pH, field | Measure of water acidity or alkalinity | n/a | n/a | pH Units | No | 6.8 | 7.9 | 7.2 | 48 | No | 6.5 | 8.0 | 7.2 | 97 | No | 7.0 | 7.8 | 7.2 | 29 |
| Phosphate, total | Added to keep iron in solution | n/a | n/a | mg/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | 1.79 | 0.67 | 35 |
| Potassium | Naturally occurring | n/a | n/a | mg/L | No | 0.60 | 0.67 | 0.63 | 2 | No | 0.39 | 0.70 | 0.55 | 4 | No | 1.11 | 2.93 | 1.88 | 35 |
| Silicon | Naturally occurring | n/a | n/a | mg/L | No | 7.4 | 7.9 | 7.7 | 2 | No | 4.8 | 6.4 | 5.6 | 4 | No | 6.2 | 8.4 | 7.2 | 14 |
| Sodium | Naturally occurring | n/a | n/a | mg/L | No | 6.0 | 10.7 | 8.4 | 2 | No | 4.5 | 10.2 | 7.0 | 4 | No | 18.8 | 71.8 | 47.7 | 35 |
| Specific Conductance | Total of naturally occurring minerals | n/a | n/a | umho/cm | No | 105 | 127 | 116 | 2 | No | 61 | 169 | 118 | 4 | No | 195 | 452 | 326 | 14 |
| Strontium-88 | Naturally occurring | n/a | n/a | mg/L | No | 0.033 | 0.036 | 0.035 | 2 | No | 0.011 | 0.036 | 0.024 | 4 | No | 0.061 | 0.121 | 0.083 | 14 |
| Sulfate | Naturally occurring | 250 | n/a | mg/L | No | 6.1 | 7.2 | 6.7 | 2 | No | ND | 3.7 | ND | 4 | No | 9.6 | 16.9 | 12.1 | 14 |
| Titanium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 35 |
| Total Organic Carbon (TOC) | Naturally occurring | n/a | n/a | mg/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | 0.7 | 1.1 | 0.9 | 2 |
| Turbidity | Silts and clays in aquifer | 5 | n/a | NTU | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | 1.11 | ND | 14 |
| Vanadium | Naturally occurring | n/a | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 14 |
| Zinc | Naturally occurring, plumbing | 5 | n/a | mg/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 14 |
| **Synthetic Organic Compounds including Pesticides and Herbicides** (August 26, 2020 NYS adopts an MCL of 1 ppb for 1,4 Dioxane, see page 32) | | | | | | | | | | | | | | | | | | | |
| Alachlor ESA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Alachlor OA | Degradation product of Alachlor | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Aldicarb Sulfone | Pesticide used on row crops | 2 | 1 | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Aldicarb Sulfoxide | Pesticide used on row crops | 4 | 1 | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Chlordane, Total | Residue of banned termiticide | 2 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Diethyltoluamide (DEET) | Insect Repellent | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| 1,4-Dioxane | Used in manufacturing processes | *1 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | 0.34 | 0.16 | 4 | No | ND | ND | ND | 12 |
| Hexazinone | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Metalaxyl | Used as a fungicide | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Metolachlor ESA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Metolachlor OA | Degradation product of Metolachlor | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| Tetrachloroterephthalic Acid | Used as a herbicide | 50 | n/a | ug/L | No | ND | ND | ND | 2 | No | ND | ND | ND | 4 | No | ND | ND | ND | 12 |
| **Volatile Organic Compounds** | | | | | | | | | | | | | | | | | | | |
| Chlorobenzene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Chlorodifluoromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Chloromethane | Used as a refrigerant | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Cis-1,2-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| 1,3-Dichlorobenzene | Used as a fumigant and insecticide | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Dichlorodifluoromethane | Refrigerant, aerosol propellant | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| 1,1-Dichloroethane | Degreaser, gasoline, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | 0.38 | ND | 14 | No | ND | ND | ND | 16 |
| 1,1-Dichloroethene | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| 1,2-Dichloropropane | From industrial chemical factories | 5 | 0 | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Ethyl Benzene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| 4-Methyl-2-Pentanone | From manufacturing facilities | 50 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Methylene Chloride | From industrial chemical factories | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Methylethylketone | Used in the coatings industry | 50 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Methyl-Tert-Butyl Ether | Gasoline | 10 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| o-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| p,m-Xylene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Tetrachloroethene | Factories, dry cleaners, spills | 5 | 0 | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Toluene | From paint on inside of water storage tank | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| 1,2,4-Trichlorobenzene | Discharge from textile-finishing factories | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| 1,1,1-Trichloroethane | Metal degreasing sites, factories | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | 0.38 | ND | 14 | No | ND | ND | ND | 16 |
| Trichloroethene | Metal degreasing sites, factories | 5 | 0 | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| Trichlorofluoromethane | Dry cleaning,propellant,fire extinguishers | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| 1,2,3-Trichloropropane | Degreasing agent, manufacturing | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| 1,1,2-Trichlorotrifluoroethane | Solvent in paints and varnishes | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |
| 1,2,4-Trimethylbenzene | Gasoline, oil refinery | 5 | n/a | ug/L | No | ND | ND | ND | 12 | No | ND | ND | ND | 14 | No | ND | ND | ND | 16 |

# WELL MONITORING FOR TOTAL COLIFORM

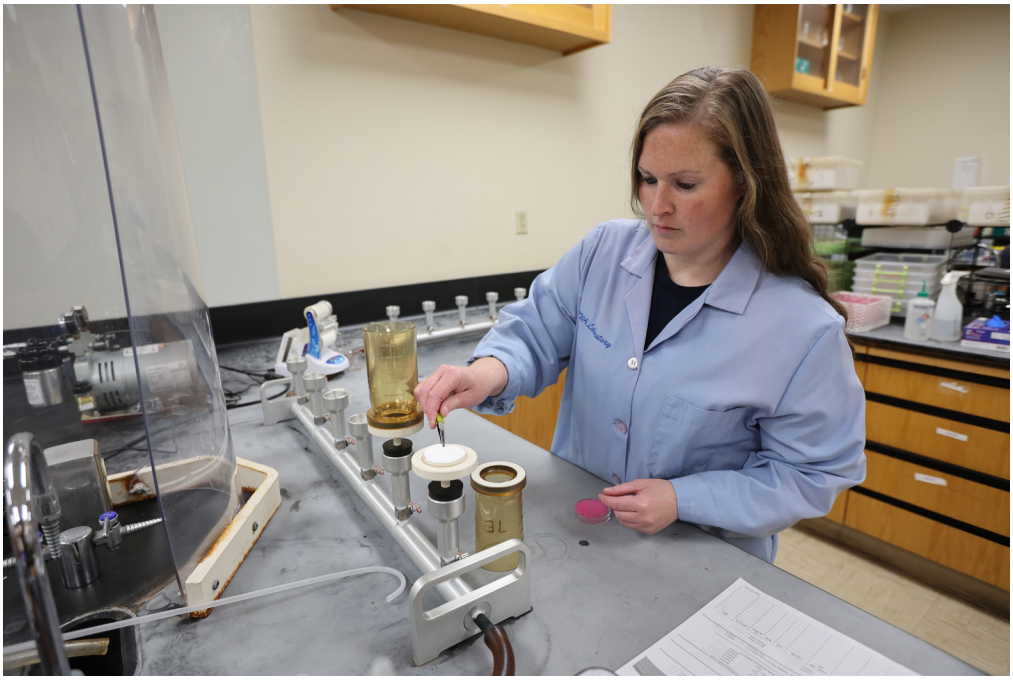
All SCWA wells prior to chlorination (source water monitoring) and the chlorinated water leaving the pump stations are tested quarterly for total coliform bacteria as required. As part of the GWR, EPA also requires reporting E. coli when found in source water monitoring. In 2022, all source water monitoring samples were E. coli-negative (no E. coli was found), except as noted in the chart below. Additional samples from these wells were total coliform-negative (no coliforms, including E. coli were found), and no sanitary deficiencies were found. In 2022, all samples collected after chlorination were total coliform-negative (no coliforms, including E. coli were found), except as noted in the chart below. Additional samples from these wells were total coliform-negative (no coliforms, including E. coli were found), and no sanitary deficiencies were found.

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

| Well Location | Collection Point at Pump Station | Test Results |
|---|---|---|
| Distribution Area 11* | Raw (prior to chlorination) | Total coliform-positive, E. coli-positive |
| Distribution Area 15* | Raw (prior to chlorination) | Total coliform-positive, E. coli-positive |
| Distribution Area 30* | Raw (prior to chlorination) | Total coliform-positive, E. coli-positive |
| Distribution Area 35* | Raw (prior to chlorination) | Total coliform-positive, E. coli-positive |
| Distribution Area 10* | Treated (after chlorination) | Total coliform-positive, E. coli-negative |
| Distribution Area 15* | Treated (after chlorination) | Total coliform-positive, E. coli-negative |
| Distribution Area 23* | Treated (after chlorination) | Total coliform-positive, E. coli-negative |
| Distribution Area 35* | Raw (prior to chlorination) | Total coliform-positive, E. coli-negative |

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

**SCWA's** lab also tests every filtration system and water storage tank for total coliform and performs Heterotrophic Plate Count (HPC) measurements. Since most bacteria, including many of the bacteria associated with drinking water systems, are heterotrophs, this test can provide useful information about water quality. In 2022, the HPC results for our storage tanks were negative (no heterotrophs were found). The HPC results for our filter systems can be found in the 2022 Drinking Water Quality Report Supplement. Please see page 39 for more information on this report.



# MICROBIOLOGICAL TESTING AND MONITORING REQUIREMENTS

To reduce the risk of illness caused by microbial contamination the SCWA tests for total coliform bacteria, including E. coli. Total coliform bacteria are a conservative indicator of the potential for contamination from waste and provides a basis for investigation to determine and correct sanitary deficiencies. E. coli is a coliform bacteria that indicates fecal contamination and an immediate concern requiring prompt investigation. The Total Coliform Rule (TCR) and Ground Water Rule (GWR) are EPA regulations that require us to test our distribution system for total coliform bacteria. When there is a total coliform-positive result found in a distribution system sample, we are then required to test our wells in the surrounding area. This is called Triggered Source Water Monitoring. In 2022, all Triggered Source Water monitoring samples were total coliform-negative (no coliforms, including E. coli were found).

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

On April 1, 2016, the EPA revised its existing Total Coliform Rule. The revised rule (RTCR) establishes a maximum contaminant level (MCL) for E. coli and uses E. coli and total coliforms to initiate a "find and fix" approach to address fecal contamination that could enter the distribution system. It requires public water systems (PWSs) to perform assessments to identify sanitary defects and subsequently take action to correct them. In 2022, we collected an average of 906 total coliform samples each month, including samples from East Farmingdale, Riverside, Stony Brook, Dering Harbor and West Neck Water Districts. The number of samples required is based on the population in each distribution area.

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

## Revised Total Coliform Rule Level 1 & Level 2 Assessment Definitions

In 2022 we found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct an assessment (s) to identify problems and to correct any problems that were found during these assessments.

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

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

## 2022 Microbiological Test Results for Distribution

### TABLE I – Microbiological Test Results
for Large Water Distribution Areas

| Compound | Violation | MCL | MCLG | Unit Measure | Likely Source |
|---|---|---|---|---|---|
| Total Coliform Bacteria | Yes/No | Presence of Coliform in 5% of Monthly Samples | 0 | n/a | Naturally Present in the Environment |
| **Distribution Area** | | **Highest Monthly Percentage Positive** | **Lowest Monthly Percentage Positive** | **Average Monthly Percentage Positive** | **No. of Tests for the Year** |
| 1 | No | 0.4% | 0% | 0.0% | 2938 |
| 12 | No | 0.6% | 0% | 0.1% | 1927 |
| 23 | No | 1.3% | 0% | 0.1% | 917 |

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

### TABLE II – Microbiological Test Results
for Small Water Distribution Areas

| Compound | Violation | MCL | MCLG | Unit Measure | Likely Source |
|---|---|---|---|---|---|
| Total Coliform Bacteria | Yes/No | Two or More Positive Samples | 0 | n/a | Naturally Present in the Environment |
| **Distribution Area** | | **Highest Monthly Amount Positive** | **Lowest Monthly Amount Positive** | **Average Monthly Amount Positive** | **No. of Tests for the Year** |
| 30 | No | 1 | 0 | 0.1 | 444 |

Distribution Areas 4, 5, 6, 7, 8, 9, 11, 14, 26, 32, 34, 35, 44, 53, 54, 57, 64, Stony Brook, Riverside, East Farmingdale , and West Neck Water Districts had no detections of total coliform in 2022.

# DISINFECTION BYPRODUCTS RULE MONITORING

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

The Stage 2 Disinfectant and Disinfection Byproducts Rule (DBPR) is an EPA regulation that requires us to monitor our distribution system quarterly for four THMs (chloroform, bromodichloromethane, dibromochloromethane, and bromoform) and five HAAs (monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid, and dibromoacetic acid). The chart below includes the range of quarterly results for the sum of the two groups of DBPs and the highest Locational Running Annual Average as required. The SCWA also monitors the wells and storage tanks for various other DBPs, including chlorate and four additional HAAs. The 2022 disinfectant and disinfection byproducts results for each distribution area are noted on pages 15-17.

## 2022 Stage 2 DBPR Test Results

| Detected Compound | | Total Trihalomethanes | | | | Total Haloacetic Acids | | | |
|---|---|---|---|---|---|---|---|---|---|
| Likely Source | | Byproduct of chlorination | | | | Byproduct of chlorination | | | |
| MCL | | 80 | | | | 60 | | | |
| MCLG | | N/A | | | | N/A | | | |
| Unit of Measure | | ug/L | | | | ug/L | | | |
| | | Range of Readings | | | | Range of Readings | | | |
| Location | Sample Site | Low Value | High Value | Annual Average | No. of Tests | Low Value | High Value | Annual Average | No. of Tests |
| SCWA | 1 | 3.36 | 9.18 | 6.65 | 4 | ND | 1.76 | 0.75 | 4 |
| | 2 | 3.00 | 9.66 | 7.07 | 4 | ND | 1.74 | 0.71 | 4 |
| | 3 | ND | 1.17 | 0.57 | 4 | ND | ND | ND | 4 |
| | 4 | 16.28 | 34.84 | 25.92 | 4 | 0.67 | 5.43 | 3.26 | 4 |
| | 5 | 10.77 | 20.52 | 14.33 | 4 | 0.43 | 2.84 | 2.14 | 4 |
| | 6 | 4.37 | 11.51 | 7.02 | 4 | ND | 0.98 | 0.58 | 4 |
| | 7 | 1.48 | 8.58 | 5.13 | 4 | 0.48 | 1.12 | 0.85 | 4 |
| | 8 | 0.25 | 4.16 | 1.82 | 4 | 0.45 | 2.76 | 1.14 | 4 |
| FHWD | 1 | 1.46 | 3.82 | 3.04 | 4 | ND | 5.36 | 3.25 | 4 |
| | 2 | 2.72 | 7.56 | 5.20 | 4 | 4.02 | 7.41 | 5.46 | 4 |
| EFWD | 1 | 1.31 | 2.49 | 1.86 | 4 | ND | ND | ND | 4 |
| | 2 | 1.84 | 4.71 | 3.32 | 4 | ND | ND | ND | 4 |
| SBWD | 1 | ND | 1.01 | 0.57 | 4 | ND | ND | ND | 4 |
| | 2 | 0.81 | 1.25 | 0.59 | 4 | ND | ND | ND | 4 |
| RSWD | 1 | 0.59 | 1.56 | 0.97 | 4 | ND | ND | ND | 4 |
| | 2 | 1.50 | 3.08 | 2.16 | 4 | ND | ND | ND | 4 |

## Iron and Manganese

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

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

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

## Radionuclides and Radiological Monitoring

### Gross Alpha and Gross Beta

Most drinking water sources have very low levels of naturally occurring radioactive elements called radionuclides. These levels are low enough not to be considered a public health concern. Radionuclides can be present in several forms called isotopes which emit different types of radioactive particles called alpha or beta. Radioactivity in water is measured in picoCuries per liter (pCi/L). The EPA has set the maximum contaminant level (MCL), the highest level allowed in drinking water, for gross alpha (all alpha emitters except uranium and radon) at 15 pCi/L. NYS considers 50 pCi/L of gross beta activity to be the level of concern for gross beta. The gross alpha and gross beta results for each distribution area are noted on page 31.

### Tritium

Some radionuclides emit gamma (also called photon) radiation. Common byproducts from nuclear reactors and waste, such as cesium-137, emit gamma radiation (also called photon emitters). Due to differences in energy levels, the MCL in pCi/L for a particular photon emitter will depend on the type of radionuclide present. Tritium, a radioactive isotope of the element hydrogen, is a weak beta emitter. It occurs naturally in the environment in very low concentrations, and may also be produced during nuclear weapon explosions and as a byproduct from nuclear reactors. The EPA has set a 20,000 pCi/L MCL for tritium. In 2022 we monitored 30 wells near Brookhaven National Laboratory for gross alpha and beta particles, tritium, and gamma radiation. These wells are located in distribution areas 1 and 12. The gross alpha and gross beta results for these areas are listed in the chart on page 31. There were no detections of tritium or gamma radiation in the 54 samples tested.

### Radium-226 and Radium-228

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

From October 2007 through 2009, we monitored a well in each aquifer at all our well fields for gross alpha, gross beta and radium-228 as required, and presented the results for each year in our Drinking Water Quality Reports. Since that time, quarterly monitoring at new well fields or at new wells placed at a well field where the aquifer had not been monitored previously and continuing monitoring on existing wells as required has been performed. The results for each distribution area are noted in the chart on page 31.

# RADIOLOGICAL TEST RESULTS (ALL DISTRIBUTION AREAS)

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

In 2022 we monitored for radon at 81 locations throughout our distribution system. The results for each distribution area are noted in the chart below. The test results ranged from ND to 313 pCi/L of radon. Currently there is no MCL for radon. The EPA is proposing to require water suppliers to provide water with levels no higher than 4,000 pCi/L of radon.

| Detected Compound | GROSS ALPHA | | | | GROSS BETA | | | | RADON-222 | | | | RADIUM-226 | | | | RADIUM-228 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Likely Source | Erosion of Natural Deposits | | | | Natural deposits, man-made emissions | | | | Naturally occurring radioactive gas | | | | Erosion of Natural Deposits | | | | Erosion of Natural Deposits | | | |
| MCL | 15 | | | | 50 | | | | N/A | | | | 5 | | | | 5 | | | |
| MCLG | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | |
| Unit of Measure | pCi/L | | | | pCi/L | | | | pCi/L | | | | pCi/L | | | | pCi/L | | | |
| | Range of Readings | | | | Range of Readings | | | | Range of Readings | | | | Range of Readings | | | | Range of Readings | | | |
| Distribution Area | Low Value | High Value | Average Value | No. of Tests | Low Value | High Value | Average Value | No. of Tests | Low Value | High Value | Average Value | No. of Tests | Low Value | High Value | Average Value | No. of Tests | Low Value | High Value | Average Value | No. of Tests |
| 1 | ND | 1.68 | ND | 58 | ND | 3.89 | ND | 58 | ND | ND | ND | 16 | ND | 1.73 | ND | 14 | ND | ND | ND | 14 |
| 4 | ND | ND | ND | 1 | ND | ND | ND | 1 | ND | ND | ND | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 5 | ND | ND | ND | 1 | 2.35 | 2.35 | 2.35 | 1 | 127 | 127 | 127 | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 6 | ND | ND | ND | 5 | ND | 3.42 | ND | 5 | ND | 154 | 102 | 2 | ND | ND | ND | 3 | ND | 1.59 | ND | 3 |
| 7 | ND | ND | ND | 1 | ND | ND | ND | 1 | ND | ND | ND | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 8 | ND | ND | ND | 1 | ND | ND | ND | 1 | ND | ND | ND | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 9 | ND | ND | ND | 4 | ND | 7.80 | 2.70 | 4 | ND | 137 | ND | 2 | ND | ND | ND | 2 | ND | ND | ND | 2 |
| 10 | ND | ND | ND | 2 | ND | 2.75 | ND | 2 | ND | ND | ND | 2 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 11 | ND | 2.81 | ND | 19 | ND | 4.80 | 2.42 | 19 | ND | ND | ND | 2 | ND | ND | ND | 16 | ND | 2.34 | 1.04 | 17 |
| 12 | ND | 1.60 | ND | 52 | ND | 3.32 | ND | 52 | ND | 156 | ND | 13 | ND | ND | ND | 14 | ND | ND | ND | 14 |
| 14 | ND | ND | ND | 2 | ND | ND | ND | 2 | ND | ND | ND | 2 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 15 | ND | 1.97 | ND | 18 | ND | 6.21 | ND | 18 | ND | ND | ND | 6 | ND | 3.33 | ND | 12 | ND | ND | ND | 12 |
| 23 | ND | 1.77 | ND | 12 | ND | 3.11 | ND | 12 | ND | 173 | ND | 5 | ND | 1.61 | ND | 7 | ND | 1.06 | ND | 7 |
| 26 | ND | 1.60 | ND | 5 | ND | ND | ND | 5 | 104 | 313 | 189 | 3 | ND | ND | ND | 2 | ND | ND | ND | 2 |
| 30 | ND | ND | ND | 9 | ND | 2.85 | ND | 9 | ND | ND | ND | 3 | ND | ND | ND | 6 | ND | ND | ND | 6 |
| 32 | ND | ND | ND | 1 | ND | ND | ND | 1 | ND | ND | ND | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 34 | ND | ND | ND | 1 | ND | ND | ND | 1 | 214 | 214 | 214 | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 35 | ND | ND | ND | 1 | ND | ND | ND | 1 | ND | ND | ND | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 44 | ND | ND | ND | 1 | ND | ND | ND | 1 | 119 | 119 | 119 | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 53 | ND | ND | ND | 4 | ND | 2.48 | ND | 4 | ND | ND | ND | 4 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 54 | ND | 1.75 | ND | 6 | ND | 2.87 | ND | 6 | ND | ND | ND | 5 | ND | ND | ND | 1 | ND | ND | ND | 1 |
| 57 | ND | ND | ND | 1 | ND | ND | ND | 1 | ND | ND | ND | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| 64 | ND | ND | ND | 1 | ND | ND | ND | 1 | ND | ND | ND | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| EFWD | ND | ND | ND | 3 | ND | ND | ND | 3 | ND | 124 | ND | 2 | ND | ND | ND | 1 | ND | ND | ND | 1 |
| RSWD | ND | ND | ND | 1 | ND | ND | ND | 1 | ND | ND | ND | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| SBWD | ND | ND | ND | 2 | ND | ND | ND | 2 | ND | ND | ND | 2 | NA | NA | NA | 0 | NA | NA | NA | 0 |
| WNWD | ND | ND | ND | 1 | ND | ND | ND | 1 | 147 | 147 | 147 | 1 | NA | NA | NA | 0 | NA | NA | NA | 0 |

## Asbestos Monitoring

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

In 2022 we monitored 18 sampling station locations where asbestos-cement pipes exist and 6 production wells. All locations were non-detect (no asbestos fibers were present), except a sample station located on Cedar Point Drive, West Islip. October 13, 2022 a sample collected here had 1.5 million fibers per liter (MFL) which is below the NY State MCL of 7.0 MFL. This site was sampled 3 other times in 2022 and the results were non-detect.

# MAXIMUM CONTAMINANT LEVEL DEFERRALS

## PFOS, PFOA and 1,4-Dioxane

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

### What is being done to remove these contaminants?

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

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

## Important Information About Your Drinking Water

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

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

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

### What should I do?

There is nothing you need to do currently.

### What does this mean?

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

### What was done?

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

# WATER QUALITY DATA BY DISTRIBUTION AREA

## 2022 Nitrosamine Test Results for Distribution Area 12*

One well in Distribution Area 12 has nitrosamines. Currently granular activated carbon (GAC) treatment is being used at these wells for nitrosamine removal. Nitrosamines can be formed by a byproduct of the disinfection of drinking water or found as a contaminant in drinking water from manufacturing processes such as for rubber and latex products. Additionally, nitrosamines are found in tobacco smoke, cosmetics and food products such as cured meats and fish, beer and smoked products, and they also form in the body from the nitrosation of dietary amines. The EPA has 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 2022 test results for Distribution Area 12 is shown in the chart below.

| Detected Compounds | Unit of Measure | Low Value | High Value | Average Value | No. of Tests |
|---|---|---|---|---|---|
| N-Nitrosodi-N-butylamine | ppt | ND | 3.2 | ND | 10 |

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

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

At one well located in Distribution Area 12 the Suffolk County Water Authority utilizes an AOP (Advanced Oxidation Process) to treat for an emerging contaminant, 1,4-Dioxane. The New York State Department of Health required the SCWA to perform additional testing for specific Aldehydes and Carboxylic Acids. These compounds are potential by-products of the treatment process and are indicators of the effectiveness of the AOP system. A summary of the 2022 test results for Distribution Area 12 is shown in the chart below.

| Detected Compounds | Unit of Measure | Low Value | High Value | Average Value | No. of Tests |
|---|---|---|---|---|---|
| Acetic Acid | ppb | ND | 12.0 | ND | 4 |

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

# 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 2022 nitrate results for each distribution area are noted on pages 18-26.

## 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.

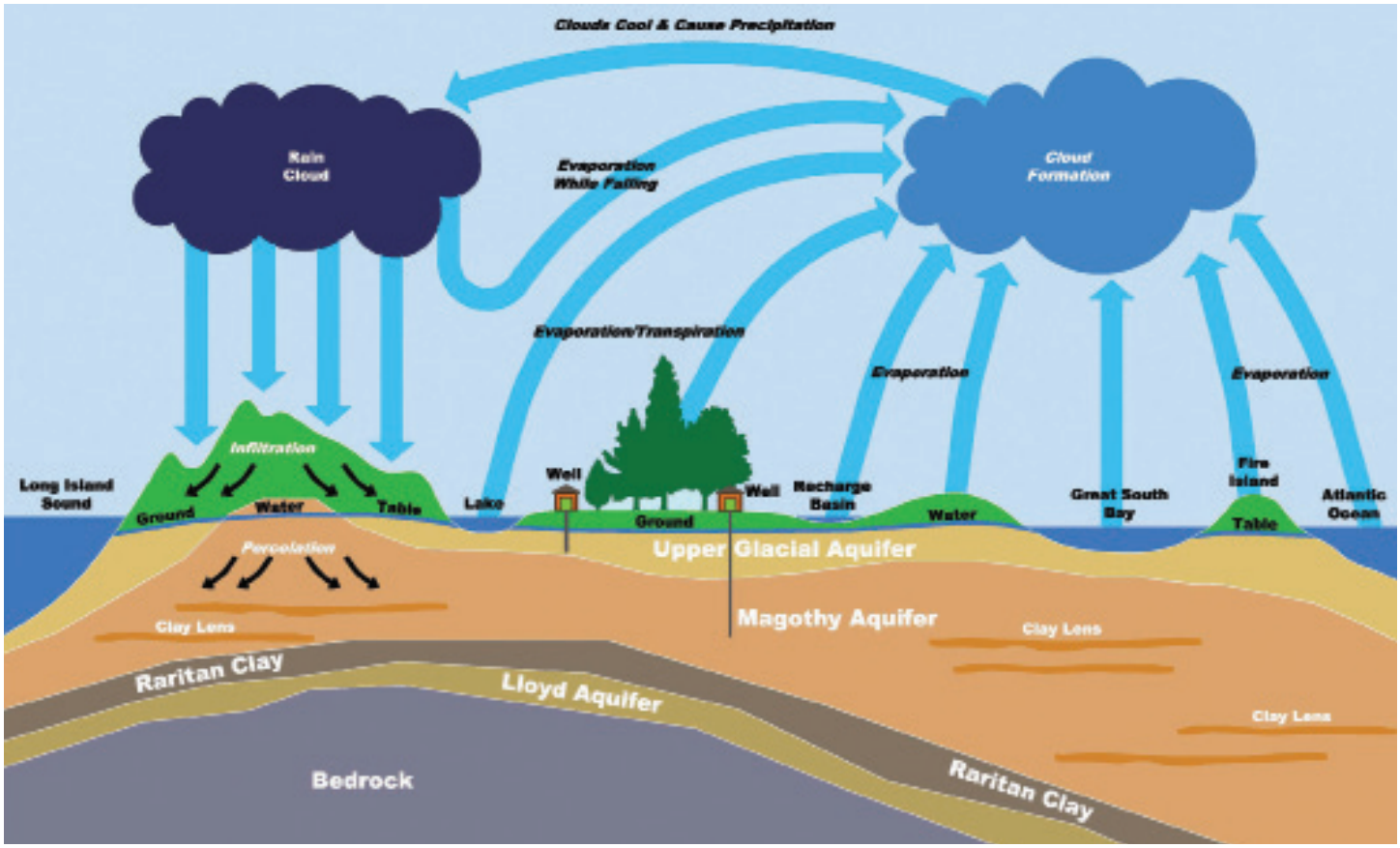
## GO GREEN: SIGN UP FOR E-BILLING TODAY!

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:

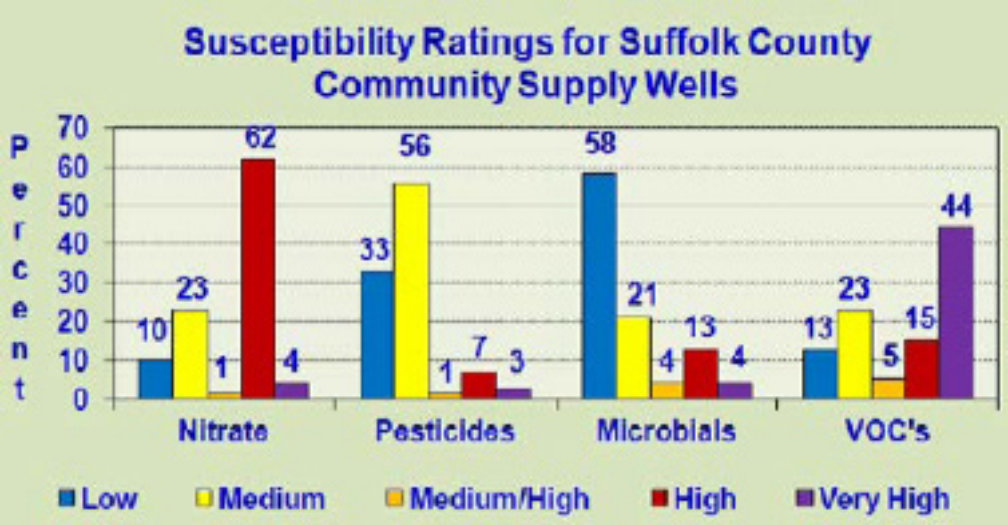
**Upper Glacial Aquifer —** contains the newest water to the groundwater system. The Water Authority has 281 wells drawing from this portion of the aquifer. Virtually all private wells draw from the Glacial Aquifer.

**Magothy Aquifer —** is the largest of the three formations and holds the most water, much of which is hundreds of years old. There are 349 SCWA wells drawing from this portion of the aquifer.

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

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

# SOURCE WATER ASSESSMENT SUMMARY REPORT




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

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

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

## Nitrate

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

## Pesticides

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

## Microbials

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

## Volatile Organic Chemicals (VOCs)

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

# SOURCE WATER PROTECTION


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

## Open Space Preservation

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

## Hydrological Research

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

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

## Public Education and Outreach

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

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

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

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

### What You Can Do to Protect our Groundwater

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

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

# SOURCE WATER PROTECTION

## The Value of Water

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

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

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

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

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

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

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

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

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

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

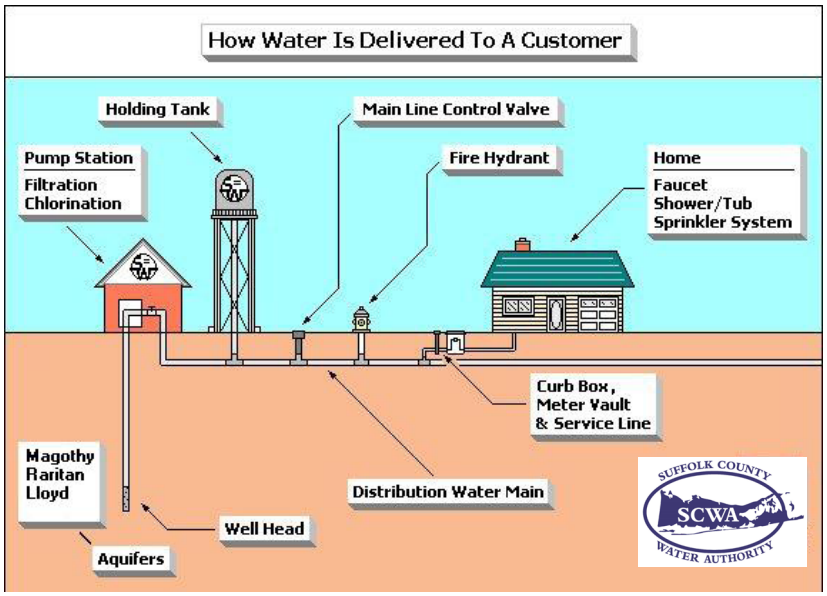
# HOW SCWA ENSURES THE QUALITY OF YOUR WATER

## 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 safe to drink, 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 41, and a description of our distribution system can be found on page 2.




## DRINKING WATER QUALITY REPORT SUPPLEMENT

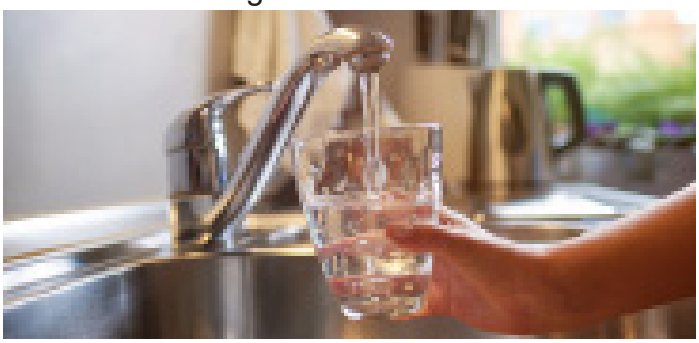
Additional information regarding your water supply is available in our Drinking Water Quality Report Supplement. This Supplement contains water quality data for our wells from samples that were collected before treatment and prior to being pumped to our customers. This Supplement is available to you 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 2022?

In 2022, we pumped 72.2 billion gallons of water. Of that total, 91% was used to meet the demands of our customers and 2% was used for flushing water mains, firefighting, street cleaning and other purposes. The remaining 7% represents water loss and is attributed to main breaks, leaks and unauthorized usage.



## SCWA Statistics for Calendar Year Ended December 31, 2022

| | |
|---|---|
| Customers | 392,057 |
| Population Served | 1,176,171 |
| Miles of Main | 6,053 |
| Fire Hydrants | 36,193 |
| Water Pumped (billion gallons) | 71.9 |
| Total Wells in System | 637 |
| Active Wells in System | 593 |
| Pump Stations | 242 |
| Storage Facilities | 69 |
| Water Storage Capacity (million gallons) | 73.6 |
| Average Annual Water Rates (171,510 gallons/customer) | $606 |

## Wells Placed in Service in 2022

In 2022, we added four new wells to our water system and replaced two wells. In addition, this table lists the five wells placed in service with treatment to remove the contaminant(s) noted. To reduce the level of nitrate in the water our customers receive, two additional wells were blended

| Well Name(s) | Location | Contaminant(s) | Treatment Type |
|---|---|---|---|
| Douglas Ave #2 | Northport | 1,4 Dioxane | GAC Filtration |
| Hallock Ave #1 | Nesconset | PFC's | GAC Filtration |
| Lawrence Ave #4 | Kings Park | 1,4 Dioxane | GAC Filtration |
| Ruth Blvd #2 | Commack | PFC's | GAC Filtration |
| Ruth Blvd #3 | Commack | PFC's | GAC Filtration |
| Islands End #6 | Greenport | Nitrate | Blend |
| Kings Park Rd #2 | Kings Park | 1,4 Dioxane | Blend |

## Wells Taken Out of Service in 2022

In 2022, we retired one well. In addition, the three 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) |
|---|---|---|
| Church St BOH #2 | Bohemia | Ammonia |
| Liberty St #2 | Hauppauge | PFC's |
| Foxcroft Ln #2 | Patchogue | PFC's |

# 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 27 and 28. Information regarding the disinfection byproducts formed from the addition of chlorine can be found on pages 15 - 17.

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 17.


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 Chief Executive Officer Named Treasurer Of National Drinking Water Organization

SCWA's CEO Jeffrey Szabo

### Jeffrey Szabo Among Slate of New Officers Named By the Association of Metropolitan Water Agencies

The Association of Metropolitan Water Agencies at its 2022 executive management conference named Suffolk County Water Authority Chief Executive Officer Jeffrey Szabo as its new treasurer among its appointments for new board members and officers.

Szabo, SCWA's CEO since 2010, previously served on AMWA's Board of Directors and serves as chairman of the organization's Legislative Committee. As SCWA CEO, Szabo spearheaded the creation of the Long Island Commission for Aquifer Protection, the development of SCWA's first strategic business plan and the overall effort to make SCWA more accountable to its customers, more efficient, more sustainable and more transparent.

Szabo also serves on the U.S. Environmental Protection Agency's National Drinking Water Advisory Council (NDWAC). NDWAC is a federal advisory committee that provides the EPA with advice and recommendations related to the national drinking water program.

"I am honored to be named to this key office for an organization that is at the vanguard of national drinking water supply issues," Szabo said. "I look forward to continuing to help AMWA represent the interests of large water suppliers from all around the country.

"AMWA is thrilled to welcome such a diverse, knowledgeable, and enthusiastic group of leaders who have demonstrated their commitment to providing high-quality, safe, and affordable drinking water to all communities," said AMWA CEO Tom Dobbins, CAE, in a press release issued by the organization. "I look forward to working with this board as they provide excellent thought leadership and expertise to inform and guide that work to solidify AMWA's position as leaders in water."

The Association of Metropolitan Water Agencies is an organization consisting of the largest publicly owned water utilities in the United States. AMWA is the voice of metropolitan water systems on federal water policy issues, and its programs foster sustainable, innovative utility management.

The Suffolk County Water Authority is an independent public-benefit corporation operating under the authority of the Public Authorities Law of the State of New York. Serving approximately 1.2 million Suffolk County residents, the Authority operates without taxing power on a not-for-profit basis.

# Shelter Island Approves Long-Term Agreement for SCWA Management of West Neck Water District

Shelter Island Town Supervisor Gerry Siller and SCWA Board Chairman Patrick Halpin sign the long-term management agreement for SCWA to manage the West Neck Water District.

## Water system serves approximately 200 people in northwest Shelter Island

The Shelter Island Town Board approved a long-term agreement in 2022 tapping SCWA to manage the West Neck Water District for the next 40 years. The town's only public water system serves approximately 200 residents in the northwest corner of Shelter Island.

Town Board members and water district officials began discussions with SCWA in 2019, after the retirement of the long-time operator who completed 40 years of dedicated service. In addition to managing the day-to-day operations of the district's three 25 gallons-per-minute public supply wells, SCWA plans to add a fourth 25 GPM well, replace the neighborhood's water distribution network including installing new water meters, and make improvements to its electrical system. In total, SCWA has committed $1.7 million in improvements for West Neck Water District.

Calling the partnership "historic," Shelter Island Town Engineer Joseph Finora said the upgrades will bring West Neck Water District into compliance with state and federal drinking water regulations, conserve groundwater through the reduction of leaks and losses and serve as a lens into the aquifer through extensive water quality testing and monitoring.

"I'd like to thank the Town Board and Supervisor Siller for making this commitment to enhance our water system, and for choosing to address our infrastructure issues with a sustainable and cost-effective approach," added Finora.

SCWA's in-house standards for water quality are often more protective than state or federal regulations. SCWA's state-of-the-art laboratory located in Hauppauge currently tests for 414 compounds, which is 265 more than required by regulators.

"We have what I consider the best public water company in America," said SCWA Board Chairman Patrick Halpin. "Our job is to make sure the people of Suffolk County have the highest quality drinking water possible, at the most affordable rates, and you can't compromise quality."

Halpin praised Shelter Island Town Supervisor Gerry Siller, the Town Board, and West Neck Water District officials for keeping an open mind during discussions, and for doing their due diligence on the long-term management agreement.

"You really dug into this and asked all the critical questions," Halpin said. "This is a partnership with all the citizens of the West Neck Water District as well as the Town Board, and I can assure you that every commitment that's been made by SCWA will be fulfilled."

"The Town of Shelter Island is pleased to begin this new partnership with SCWA and for their efforts to understand our unique community," said Siller. "As a town, we have, and will continue to invest in critical infrastructure like the West Neck water system to ensure sustainable, high quality drinking water for all islanders. We are very thankful to the West Neck Water Board for their many years of dedicated service to the community and for the participation of all islanders who contributed in crafting this partnership with SCWA."

The Suffolk County Water Authority is an independent public-benefit corporation operating under the authority of the Public Authorities Law of the State of New York. Serving approximately 1.2 million Suffolk County residents, the Authority operates without taxing power on a not-for-profit basis.

# TABLE OF UNDETECTED COMPOUNDS

## In 2022 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
Bromobenzene
Bromochloromethane
Bromomethane
Butabarbital
Butachlor
Butalbital
*Butanal
Butylbenzylphthalate
*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
Ethyl-Tert-Butyl Ether
*Europium-152
*Europium-154
*Europium-155
Fluorene
*Formaldehyde
*Formic Acid
Furosemide
*Geosmin
Germanium-72
*Glyoxal
Heptachlor
Heptachlor Epoxide
*Heptanal
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexafluoropropylene Oxide Dimer Acid
*Hexanal
Hydrocodone
*Iron-59
Isophorone
Isopropylbenzene
Lamotrigine
*Lead-210
Lindane (Gamma-BHC)
Malathion
*Manganese-54
Mercury
*Mercury-203
Methiocarb
Methomyl
Methoxychlor
*Methyl Glyoxal
Metribuzin
Molinate
Naphthalene
Napropamide
Naproxen
*N-Butylbenzene
Neohesperidin dihydrochalcone
Neotame
*Niobium-94
Nitrite
*N-Nitrosodiethylamine
*N-Nitrosodimethylamine
*N-Nitrosodi-N-propylamine
*N-Nitrosodiphenylamine
*N-Nitrosomethylethylamine
*N-Nitrosomorpholine
*N-Nitrosopiperidine
*N-Nitrosopyrrolidine
Nonafluoro-3-6-dioxaheptanoic Acid
*Nonanal
N-Propylbenzene
*Octanal
*Oxalic Acid
Oxamyl
Oxyfluorfen
Pentachlorophenol
*Pentanal
Pentobarbital
Perfluoro(2-ethoxyethane)sulfonic Acid
Perfluoro-1-heptanosulfonate
Perfluoro-1-pentanesulfonate
Perfluoro-3-methoxypropanoic Acid
Perfluoro-4-methoxybutanoic Acid
Perfluorobutanesulfonic Acid
Perfluorodecanoic Acid
Perfluorododecanoic Acid
Perfluoroheptanesulfonic Acid
Perfluorononanoic Acid
Perfluoroundecanoic Acid
Phenanthrene
Picloram
Polychlorinated **Biphenyls(PCBs)**
*Potassium-40
Prilocaine
Propachlor
*Propanal
Propoxur
Ronstar
*Ruthenium-103
*Scandium-46
Sec-Butylbenzene
Secobarbital
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-Butyl Alcohol
Tert-Butylbenzene
Tert-Butyl-Methyl Ether (TAME)
Tetrahydrofuran
Thallium
Threshold Odor
*Tin-113
Toxaphene
Trans-1,2-Dichloroethene
Trans-1,3-Dichloropropene
Trans-Permethrin
Tribromoacetic Acid
Tribufos
Triclocarban
Triclosan
Trifluralin
*Tritium
Uranium
*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 25 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 |
| Fire Hydrants | 443 |
| Water Used (Million Gallons) | 638 |
| Average Annual Bill (252,222 gallons) | $804 |
| Water Billed (Million Gallons) | 614 |
| Percentage of Water Unaccounted for | 7% |

## 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 26 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 136 people there. Test results for the Dering Harbor Water District may be found on page 25 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 26 under Distribution Area SBWD and pertinent statistics are in the table shown below. Although this notice is being provided separately, please be assured information you read elsewhere in this booklet about the protections and services we offer to our customers applies to you as well.

## Stony Brook Water District Statistics

| | |
|---|---|
| Customers | 1,645 |
| Population Served | 4,935 |
| Miles of Main | 29 |
| Fire Hydrants | 215 |
| Water Used (Million Gallons) | 238 |
| Average Annual Bill (139,191 gallons) | $155 |
| Water Billed (Million Gallons) | 229 |
| Percentage of Water Unaccounted for | 7% |

## 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 21. Test results for Fair Harbor may be found on page 24 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 26 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