

# 2021 drinking water quality report

INC. VILLAGE OF GARDEN CITY  
PUBLIC WATER SUPPLY IDENTIFICATION NO. 2902824



## ANNUAL WATER SUPPLY REPORT

MAY 2022

The Village of Garden City is pleased to present to you the 2021 Water Quality Report. The report is required to be delivered to all residents of our Village in compliance with Federal and State regulations and is designed to inform you about the quality water and services we deliver to you on a daily basis. It is important to the Village that our residents are familiar with the efforts that are taken to protect our water resources and to continually improve the water treatment process. Our goal is to deliver the highest quality water to your home.

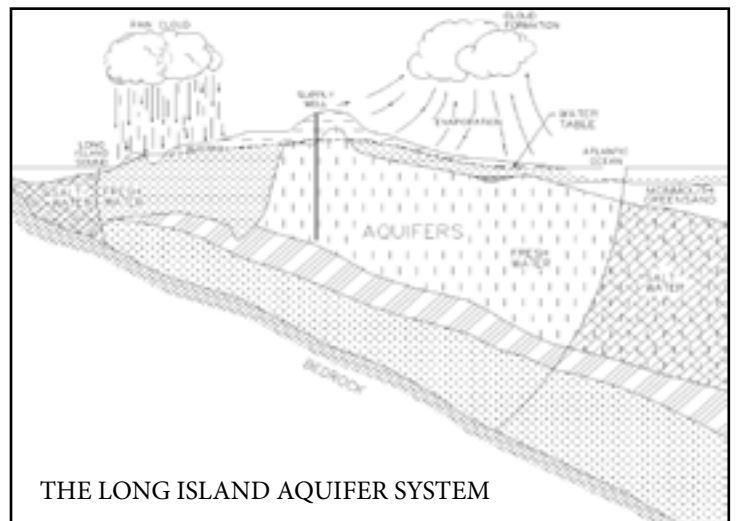
## SOURCE OF OUR WATER

The Village's source of water is groundwater pumped from 10 wells located throughout the Village that are drilled into the Magothy aquifer located beneath Long Island, as shown on the adjacent figure. Generally, the water quality of the aquifer is good to excellent, although there are localized areas of contamination.

We are pleased to report that our drinking water is safe and meets all Federal and State requirements.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. 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 from human activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants.

In order to ensure that our tap water is safe to drink, the State and the EPA prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.



THE LONG ISLAND AQUIFER SYSTEM

The population served by the Village of Garden City during 2021 was approximately 28,000. The total amount of water withdrawn from the aquifer in 2021 was 1.52 billion gallons, of which approximately 80 percent was billed directly to consumers.

## WATER TREATMENT

The Village of Garden City provides treatment at all wells to improve the quality of the water pumped prior to distribution to the consumer. The pH of the pumped water is adjusted upward to reduce corrosive action between the water and water mains and in-house plumbing by the addition of caustic soda. Air stripping treatment units are utilized at Well Nos. 8, 9, 10, 11, 12, 13 and 14 for the removal of volatile organic compounds. Advanced Oxidation Process (AOP) and Granular Activated Carbon (GAC) systems are utilized at Well Nos. 7, 10 and 11 for a portion of 2021. A granular activated carbon filter system has been installed at Well Nos. 7, 15 and 16 for the removal of volatile organic compounds. An iron removal treatment system is also utilized for Well Nos. 15 and 16. The treatment system removes almost all of the iron from Well Nos. 15 and 16. The Village also adds small amounts of calcium hypochlorite (chlorine) as a disinfecting agent and to prevent the growth of bacteria in the distribution system.

## COST OF WATER

The Village utilizes the following step billing schedule with the average consumer being billed at \$4.55 per 1,000 gallons. The rates shown here are for the fiscal year 2021-2022.

### QUARTERLY WATER RATES

Consumption (cubic feet)	Charges
Up to 2,000	\$60.30 minimum
2,001 - 6,000	\$30.15/1,000 cubic feet
Over 6,000	\$45.55/1,000 cubic feet

(1 cubic foot = 7.48 gallons)

During 2020, the Village collected 30 samples for lead and copper. The next round of samples will occur in 2023. If present, 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. The Inc. Village of Garden City is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing 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. 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 <http://www.epa.gov/safewater/lead>.

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 microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791) or at <http://www.epa.gov/safewater/lead>.

Nitrate in drinking water at levels above 10 parts per million (ppm) is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Water from the Inc. Village of Garden City has a slightly elevated nitrate level, but well below the maximum contaminant level of 10.0. The source of the nitrates is the nitrogen in fertilizers and from on-site septic systems. If you are caring for an infant, you should ask advice from your health care provider.

## CONTACTS FOR ADDITIONAL INFORMATION

If you have any questions about this report or concerning your water utility, please contact Mr. Ralph Suozzi, Village Administrator at (516) 465-4058 or the Nassau County Department of Health (516) 227-9692. If you want to learn more, please attend any of our regularly scheduled Village Board meetings. They are normally held on the first and third Thursday of each month at 7:30 p.m. at the Village Hall. Village of Garden City Water Department personnel work around the clock to provide top quality water to every tap throughout the community. We ask that all our customers help us protect our water resources, which are the heart of our community, our way of life and our children's future.

The Garden City Water Department routinely monitors for different parameters and contaminants in your drinking water as required by Federal and State laws. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk. For more information on contamination and potential health risks, please contact the USEPA Safe Drinking Water Hotline at 1-800-426-4791.

In January 2021, the Village received a deferral from the new Maximum Contaminant Level (MCL) established by the New York State Department of Health for 1,4-Dioxane. The Deferral is enclosed on pages 3 and 4. 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 1,4-dioxane MCL. 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 Nassau County Department of Health 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 and quarterly updates can be found at the following sites: [https://www.gardencityny.net/vertical/sites/%7B82C80390-C4CA-486E-AA10-408538E064A1%7D/uploads/Deferral\\_Public\\_Notificaiton\\_2.11.21\(1\).pdf](https://www.gardencityny.net/vertical/sites/%7B82C80390-C4CA-486E-AA10-408538E064A1%7D/uploads/Deferral_Public_Notificaiton_2.11.21(1).pdf) and [https://www.gardencityny.net/vertical/Sites/%7B82C80390-C4CA-486E-AA10-408538E064A1%7D/uploads/Schedule\\_Updates\(1\).pdf](https://www.gardencityny.net/vertical/Sites/%7B82C80390-C4CA-486E-AA10-408538E064A1%7D/uploads/Schedule_Updates(1).pdf) or you can scan the QR Code located on the bottom of Page 7.

## WATER QUALITY

In accordance with State regulations, the Inc. Village of Garden City routinely monitors your drinking water for numerous parameters. We test your drinking water for coliform bacteria, turbidity, inorganic contaminants, lead and copper, nitrate, volatile organic contaminants, total trihalomethanes, synthetic organic contaminants and radiological contaminants. Over 130 separate parameters are tested for in each of our wells numerous times per year. The table presented on pages 6 and 7 depicts which parameters or contaminants were detected in your drinking water. It should be noted that many of these parameters are naturally found in all Long Island drinking water and do not pose any adverse health affects.

The Inc. Village of Garden City conducts over 10,000 water quality tests throughout the year, testing for over 130 different contaminants which have been undetected in our water supply including:

Arsenic	2,4,5-TP (Silvex)	Dibromoacetic Acid	Bromobenzene
Cadmium	Dinoseb	Total Haloacetic Acid	1,1,2,2-Tetrachloroethane
Chromium	Dalapon	Bromodichloromethane	1,2,3-Trichloropropane
Fluoride	Picloram	Dibromochloromethane	2-Chlorotoluene
Mercury	Dicamba	Gross Alpha	4-Chlorotoluene
Langlier Saturation Index	Pentachlorophenol	Gross Beta	1,2-Dichlorobenzene
Silver	Hexachlorocyclopentadiene	Radium 226	1,3-Dichlorobenzene
Odor	Hexachlorobenzene	Radium 228	1,4-Dichlorobenzene
Ammonia	Aldicarb Sulfone	Chloromethane	1,24-Trichlorobenzene
Detergents (MBAS)	Aldicarb sulfoxide	Vinyl Chloride	Hexachlorobutadiene
Free Cyanide	Aldicarb	Bromomethane	1,2,3-Trichlorobenzene
Antimony	Total Aldicarb	Chloroethane	Benzene
Beryllium	Oxamyl	Trans-1,2-Dichloroethene	Toluene
Thallium	Methomyl	2,2-Dichloropropane	Ethylbenzene
Lindane	3-Hydroxycarbofuran	Bromochloromethane	M,P-Xylene
Heptachlor	Carbofuran	Carbon Tetrachloride	O-Xylene
Aldrin	Carbaryl	1,1-Dichloropropene	Styrene
Heptachloro Epoxide	Glyphosate	1,2-Dichloroethane	Isopropylbenzene (Cumene)
Dieldrin	Diquat	1,2-Dichloropropane	N-Propylbenzene
Endrin	Endothall	Dibromomethane	1,3,5-Trimethylbenzene
Methoxychlor	1,2-Dibromoethane (EDB)	Trans-1,3-Dichloropropene	Tert-Butylbenzene
Toxaphene	1,2-Dibromo-3-Chl.Propane	cis-1,3-Dichloropropene	1,2,4-Trimethylbenzene
Chlordane	Dioxin	1,1,2-Trichloroethane	Sec-Butylbenzene
Total PCBs	Chloroacetic Acid	1,3-Dichloropropane	4-Isopropyltoluene (P-Cumene)
Alachlor	Bromoacetic Acid	Chlorobenzene	N-Butylbenzene
2,4-D	Trichloroacetic Acid	1,1,1,2-Tetrachloroethane	cis-1,2-Dichloroethene
Methyl Tert Butyl Ether	Nitrite	Perchlorate	Perfluorobutanesulfonic Acid
Methylene Chloride	1,1,2-Trichlorotrifluoroethane	Trichlorofluoromethane	
1,1-Dichloroethene	1,1,1-Trichloroethane	Perfluorobutanesulfonic Acid	

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## **IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER**

### **Deferral Issued for PFOA, PFOS and 1,4-Dioxane in the Village of Garden City**

#### **Why are you receiving this notice/information?**

You are receiving this notice because testing of our public water system found the chemicals perfluorooctanoic acid (PFOA), perfluorooctanesulfonic acid (PFOS) and 1,4-dioxane in your drinking water above New York State's maximum contaminant level (MCL) of 10 ppt for PFOA/PFOS and 1 ppb for 1,4-dioxane. The MCLs are set well below levels known to cause health effects in animal studies. Therefore, consuming water with PFOA, PFOS or 1,4-dioxane at the level detected does not pose a significant health risk. Your water continues to be acceptable for all uses.

The Village of Garden City has submitted, and the New York State Department of Health (Department) has issued, a deferral to the Village of Garden City. When a public water system is issued a deferral, the water system agrees to a schedule for corrective action and compliance with the new MCLs. In exchange, the Department agrees to defer enforcement actions, such as assessing fines, if the water system is meeting the established deadlines. We are required to update the Department and the Nassau County Department of Health each calendar quarter on the status of our projects. If we do not meet the agreed upon deadlines, the Department can resume enforcement.

#### **What are the health effects of PFOA and PFOS?**

The available information on the health effects associated with PFOA and PFOS, like many chemicals, comes from studies of high-level exposure in animals or humans. Less is known about the chances of health effects occurring from lower levels of exposure, such as those that might occur in drinking water. As a result, finding lower levels of chemicals in drinking water prompts water suppliers and regulators to take precautions that include notifying consumers and steps to reduce exposure.

PFOA and PFOS has caused a wide range of health effects when studied in animals that were exposed to high levels. Additional studies of high-level exposures of PFOA and PFOS in people provide evidence that some of the health effects seen in animals may also occur in humans. The most consistent findings in animals were effects on the liver and immune system and impaired fetal growth and development. The United States Environmental Protection Agency considers PFOA and PFOS as having suggestive evidence for causing cancer based on studies of animals exposed to high levels of this chemical over their entire lifetimes.

At the level of PFOA and PFOS detected in your water, exposure from drinking water and food preparation is well below PFOA and PFOS exposures associated with health effects.

## **What are the health effects of 1,4-dioxane?**

Laboratory studies show that 1,4-dioxane caused liver cancer in animals exposed at high levels throughout their lifetime. Other types of cancer have also been reported, although less consistently than liver cancer. There is no evidence of 1,4-dioxane cancer effects in humans. The United States Environmental Protection Agency considers 1,4-dioxane a likely human carcinogen based upon studies of animals exposed to high levels of this chemical over their entire lifetimes.

At the level of 1,4-dioxane detected in your water, exposure from drinking water and food preparation is well below 1,4-dioxane exposures associated with health effects.

## **What is New York State doing about PFOA, PFOS and 1,4-Dioxane in public drinking water?**

The New York State Department of Health (NYS DOH) has adopted a drinking water regulation that requires all public water systems to test for PFOA, PFOS and 1,4-dioxane. If found above the MCLs, the water supplier must take steps to lower the level to meet the standard. Exceedances of the MCL signal that steps should be taken by the water system to reduce contaminant levels.

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

The Village of Garden City has continued to work diligently to outfit all our water treatment facilities with the most up-to-date treatment systems. We have installed, or are in the process of installing, state of the art advanced oxidation process wellhead treatment for the removal of 1,4-dioxane and polishing of PFAS at our most impacted facilities. Following a rigorous demonstration and testing period to confirm safety and reliability to the NYS DOH, we have requested and are awaiting final approval by NYS DOH and the Nassau County Department of Health for the interim emergency treatment systems at Well Nos. 10 and 11 and Well No. 7. When operational, the emergency treatment systems will remove 1,4-dioxane, PFOA and PFOS to below detection limits at all sites. Interim treatment measures for the facilities impacted by 1,4-dioxane included the issuance of emergency resolutions allowing the Village to move swiftly in preordering the necessary treatment equipment and completion of the necessary planning and piloting work. The Village is presently implementing emergency interim wellhead treatment systems at Well Nos. 13 and 14, Well Nos. 15 and 16 and Well No. 12. These interim treatment systems are scheduled to be operational during the summer of 2021. Well No. 12 is blended with Well No. 8 for packed tower aeration treatment. Although every Village well has been impacted by 1,4-dioxane and/or PFOA/PFOS to some degree, the Village has included operational changes to minimize the use of supply wells most impacted by 1,4-dioxane. Well No. 12, which has the highest level of 1,4-dioxane has been taken out of service.

Additional information will be shared as further testing and progress occurs. This process is similar for any chemical detected in public drinking water that requires mitigation. The compliance timetable will ensure that your drinking water will meet the MCL as rapidly as possible. The deferral is effective until May 25, 2022.

## **Where can I get more information?**

For more information, please contact Ralph Suozzi at 516-465-4051 or 351 Stewart Avenue, Garden City, NY 11530. You can also contact the Nassau County Department of Health at 516-227-9692.

If you have additional questions about these contaminants and your health, talk to your health care provider who is most familiar with your health history and can provide advice and assistance about understanding how drinking water may affect your personal health.

**Public Water System ID#** 2902824

**Date** February 11, 2021

# 2021 DRINKING WATER QUALITY REPORT - TABLE OF DETECTED PARAMETERS

Contaminants	Violation (Yes/No)	Date of Sample	Level Detected (Maximum Range)	Unit Measurement	MCLG	Regulatory Limit (MCL or AL)	Likely Source of Contaminant
<b>Lead and Copper</b>							
Copper	No	July/August 2020	0.0086 - 0.46 0.21 <sup>(1)</sup>	mg/l	1.3	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	No	July/August 2020	ND - 5.2 2.8 <sup>(1)</sup>	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits
<b>Inorganic Contaminants</b>							
Barium	No	06/25/21	0.0027 - 0.017	mg/l	2.0	MCL = 2.0	Naturally occurring
Sodium	No	06/25/21	11.3 - 38.8	mg/l	n/a	No MCL <sup>(2)</sup>	Naturally occurring
Iron	No	06/25/21	ND - 0.028	ug/l	n/a	MCL = 300	Naturally occurring
Manganese	No	09/27/21	ND - 0.023	ug/l	n/a	MCL = 300	Naturally occurring
Zinc	No	08/31/21	ND - 0.03	mg/l	n/a	MCL = 5	Naturally occurring
Color	No	08/11/21	ND - 6.0	Units	n/a	MCL = 15	Naturally occurring
Chloride	No	06/25/21	19.6 - 78.5	mg/l	n/a	MCL = 250	Naturally occurring
Nickel	No	09/27/21	ND - 5.7	ug/l	n/a	No MCL	Naturally occurring
Calcium	No	09/29/21	6.2 - 14.2	mg/l	n/a	No MCL	Naturally occurring
Nitrate	No	08/09/21	ND - 5.9	mg/l	10	MCL = 10	Runoff from fertilizer and leaching from septic tanks and sewage
Magnesium	No	08/25/21	3.4 - 6.0	mg/l	n/a	None	Naturally occurring
Sulfate	No	08/05/21	11.9 - 29.4	mg/l	n/a	MCL = 250	Naturally occurring
Selenium	No	08/11/21	ND - 2.3	ug/l	50	MCL = 50	Industrial discharge
Turbidity	No	09/27/21	ND - 1.3	NTU	n/a	MCL = 5	Naturally occurring
Bromide	No	09/29/21	ND - 0.25	mg/l	0	No MCL	Naturally occurring
<b>Volatile Organic Contaminants</b>							
1,1-Dichloroethane	No	05/21/21	ND - 0.83	ug/l	n/a	MCL = 5	Industrial/Commercial discharge
Dichlorodifluoromethane	No	11/03/21	ND - 0.63	ug/l	n/a	MCL = 5	Industrial/Commercial discharge
Chlorodifluoromethane	No	10/28/21	ND - 4.3	ug/l	n/a	MCL = 0.8	Industrial/Commercial discharge
Tetrachloroethene	No	02/11/21	0.52 - 1.0	ug/l	0	MCL = 5	Industrial/Commercial discharge
Trichloroethene	No	07/12/21	ND - 1.8	ug/l	n/a	MCL = 5	Industrial/Commercial discharge
<b>Disinfection By-Products</b>							
Total Trihalomethanes (TTHM)	No	12/09/21	ND - 0.85	ug/l	n/a	MCL = 80	Disinfection By-Products
<b>Radionuclides</b>							
Gross Alpha	No	06/01/17	1.32 - 3.18	pCi/L	n/a	MCL = 15	Naturally occurring
Gross Beta	No	05/30/17	0.9 - 3.76	pCi/L	n/a	MCL = 50	Naturally occurring
Radium 226 & 228	No	06/09/17	0.8 - 2.75	pCi/L	n/a	MCL = 5 <sup>(3)</sup>	Naturally occurring
Uranium	No	06/01/17	0.66 - 3.18	ug/l	n/a	MCL = 30	Naturally occurring
<b>Disinfectant</b>							
Chlorine Residual	No	05/11/21	0.1 - 1.3	mg/l	n/a	MRDL = 4.0	Measure of disinfectant
<b>Physical Characteristics</b>							
pH	No	Continuous	5.4 - 8.6	pH units	n/a	7.5 - 8.5 <sup>(4)</sup>	Measure of acidity or alkalinity
Total Alkalinity	No	08/09/21	3.0 - 12.3	mg/l	n/a	No MCL	Naturally occurring
Calcium Hardness	No	09/29/21	15.6 - 35.5	mg/l	n/a	No MCL	Naturally occurring
Total Hardness	No	06/25/21	29.4 - 59.9	mg/l	n/a	No MCL	Naturally occurring
Total Dissolved Solids (TDS)	No	06/25/21	80.0 - 222.0	mg/l	n/a	No MCL	Naturally occurring

# 2021 DRINKING WATER QUALITY REPORT - TABLE OF DETECTED PARAMETERS (cont'd.)

Contaminants	Violation (Yes/No)	Date of Sample	Level Detected (Maximum Range)	Unit Measurement	MCLG	Regulatory Limit (MCL or AL)	Likely Source of Contaminant
<b>Synthetic Organic Contaminants (SOCs)</b>							
1,4-Dioxane	No <sup>(9)</sup>	02/11/21	ND - 1.5	ug/l	n/a	MCL = 1.0 <sup>(5)</sup>	Used in manufacturing process <sup>(6)</sup>
Perfluorooctanesulfonic Acid (PFOS)	No <sup>(9)</sup>	02/11/21	ND - 22.4	ng/l	0	MCL = 10.0 <sup>(7)</sup>	Industrial discharge <sup>(8)</sup>
Perfluorooctanoic Acid (PFOA)	No <sup>(9)</sup>	01/08/21	ND - 9.6	ng/l	0	MCL = 10.0 <sup>(7)</sup>	Industrial discharge
Atrazine	No	06/25/21	ND - 0.059	ug/l	3	MCL = 3	Runoff from herbicide used on row crops
Benzo(a)pyrene	No	06/25/21	ND - 0.02	ug/l	0	MCL = 0.2	Industrial discharge
Bis(2-ethylhexyl)adipate	No	06/25/21	ND - 0.059	ug/l	0	MCL = 0.4	Industrial discharge
Bis(2-ethylhexyl)phthalate	No	06/25/21	ND - 0.059	ug/l	0	MCL = 6	Industrial discharge
Metolachlor	No	06/25/21	ND - 0.069	ug/l	0	No MCL	Herbicide
Metribuzin	No	06/25/21	ND - 0.088	ug/l	0	No MCL	Herbicide
Propachlor	No	06/25/21	ND - 0.02	ug/l	0	No MCL	Pesticide
Simazine	No	06/25/21	ND - 0.059	ug/l	4	MCL = 4	Herbicide
Butachlor	No	06/25/21	0.058 - 0.059	ug/l	0	No MCL	Herbicide
<b>UCMR3</b>							
Hexavalent Chromium	No	12/27/21	ND - 0.23	ug/l	0	No MCL	Natural deposits
Chlorate	No	04/09/21	ND - 92.8	ug/l	0	No MCL	Disinfection By-Products
Perfluoroheptanoic Acid	No	02/11/21	ND - 5.8	ng/l	0	MCL = 50,000	Industrial discharge
Perfluorohexanesulfonic Acid	No	02/11/21	ND - 7.4	ng/l	0	MCL = 50,000	Industrial discharge
Perfluorononanoic Acid (PFNA)	No	05/24/21	ND - 20.9	ng/l	0	MCL = 50,000	Industrial discharge

## Definitions:

**Maximum Contaminant Level (MCL)** - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.

**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.

**Maximum Residual Disinfection Level (MRDL)** - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum Residual Disinfection Level Goal (MRDLG)** - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

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

**Health Advisory (HA)** - An estimate of acceptable drinking water levels for a chemical substance based on health effects information; a health advisory is not a legally enforceable Federal standard, but serves as technical guidance to assist Federal, State and local officials.

**Milligrams per liter (mg/l)** - Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

**Micrograms per liter (ug/l)** - Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

**Nanograms per liter (ng/l)** - corresponds to one part of liquid in one trillion parts of liquid (parts per trillion - ppt).

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

**pCi/L** - pico Curies per Liter is a measure of radioactivity in water.

**NTU** - Nephelometric Turbidity Units.

<sup>(1)</sup> - During 2020, we collected and analyzed 30 samples for lead and copper. The 90th percentile level is presented in the table. The next sampling program for lead and copper will be conducted in 2023. The values reported for lead and copper represent the 90th percentile. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the lead and copper values detected at your water system.

<sup>(2)</sup> - No MCL has been established for sodium. However, 20 mg/l is a recommended guideline for people on high restricted sodium diets and 270 mg/l for those on moderate sodium diets.

<sup>(3)</sup> - MCL for Radium is for Radium 226 and Radium 228 combined.

<sup>(4)</sup> - As per Nassau County Department of Health guidelines.

<sup>(5)</sup> - The US Environmental Protection Agency (EPA) has established a life time health advisory level (HAL) of 35 parts per billion (ppb) for 1,4-Dioxane. The New York State (NYS) has established an MCL for 1,4-Dioxane at 1 part per billion (ppb) effective August 26, 2020.

<sup>(6)</sup> - It is used as a solvent for cellulose formulations, resins, oils, waxes and other organic substances. It is also used in wood pulping, textile processing, degreasing, in lacquers, paints, varnishes, and stains; and in paint and varnish removers.

<sup>(7)</sup> - The US Environmental Protection Agency (EPA) has established a life time health advisory level (HAL) of 70 parts per trillion (ppt) for PFOA and PFOS combined. The New York State (NYS) has established a maximum contaminant level (MCL) at 10 ppt for PFOA and 10ppt for PFOS effective August 26, 2020.

<sup>(8)</sup> - PFOS/PFOA has been used to make carpets, leathers, textiles, fabrics for furniture, paper packaging, and other materials that are resistant to water, grease, or stains. It is also used in firefighting foams at airfields. Many of these uses have been phased out by its primary U.S. manufacturer; however, there are still some ongoing uses.

<sup>(9)</sup> - The Village received an MCL Deferral from NYSDOH for 1,4-Dioxane, PFOA and PFOS until May 25, 2022 to allow sufficient time to install wellhead treatment systems.

The NYSDOH, with assistance from the local health department, has completed a source water assessment for this system, based on available information. Possible and actual threats to this drinking water source were evaluated. The source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how rapidly contaminants can move through the subsurface to the wells. The susceptibility of a water supply well to contamination is dependent upon both the presence of potential sources of contamination within the well's contributing area and the likelihood that the contaminant can travel through the environment to reach the well. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become contaminated. See the section entitled "Water Quality" for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

Our drinking water is derived from ten (10) wells. Although the source water assessment has rated seven (7) of the wells as having a very high susceptibility to industrial solvents as noted above, all ten (10) wells are treated for removal of industrial solvents. The elevated susceptibility to industrial solvents is due primarily to point sources of contamination related to commercial/industrial facilities and related activities in the assessment area. The high susceptibility to nitrate contamination is attributable to high density residential land use practices within the assessment area, such as fertilizing lawns.

A copy of the assessment, including a map of the assessment area, can be reviewed by contacting the Village office.

During 2021, the Village of Garden City continued to implement a water conservation program in order to minimize any unnecessary water use. The pumpage for 2021 was slightly lower than in 2020.

Residents of the Village are encouraged to implement their own water conservation measures such as retrofitting plumbing fixtures with flow restrictors, modifying automatic lawn sprinklers to include rain sensors, repairing leaks in the home, installing water conservation fixtures/appliances and maintaining a daily awareness of water conservation in their personal habits. In addition, consumers should be aware that the Village Lawn Sprinkler Regulations are still in effect. Besides protecting our precious underground water supply, water conservation will produce a cost savings to the consumer in terms of both water and energy bills (hot water).

## CAPITAL IMPROVEMENT PROGRAM

In preparation for the impending regulations on emerging contaminants that were promulgated on August 26, 2020, the Village began construction of Advanced Oxidation Process (AOP) treatment facilities for the removal of 1,4-Dioxane at five separate well sites treating nine of the ten wells. Two of these AOP systems are already in operation, with the rest of the sites expected to be on-line during the summer. Construction of the new elevated water storage tank is complete and being readied to be filled with water in May 2022. The Meadow Street and Grove Street water main is currently under construction and to be completed in 2022.

## INCORPORATED VILLAGE OF GARDEN CITY

351 Stewart Avenue  
Garden City, New York 11530

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Garden City, NY 11530  
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**Mayor**

Cosmo Venezia

**Trustees**

Trustee Bruce J. Chester

Trustee Terence P. Digan

Trustee Mary Carter Flanagan

Trustee Charles P. Kelly

Trustee Lawrence N. Marciano, Jr.

Trustee Thomas J. O'Brien

Trustee Bruce A. Torino

**Village Administrator**

Ralph V. Suozzi



Deferrals



Progress Update

Copies of a Supplemental Data Package, which includes the water quality data for each of our supply wells utilized during 2020, are available at the Department of Public Works at Village Hall located at 351 Stewart Avenue, Garden City, New York and the Garden City Public Library, 60 Seventh Street or online at [www.GardenCityNY.net](http://www.GardenCityNY.net).

**INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA**

PARAMETERS (mg/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095 <sup>(3)</sup>		WELL NO. 8 N-01697 <sup>(2)</sup>		WELL NO. 9 N-03881 <sup>(2)</sup>		WELL NO. 10 N-03934 <sup>(3)</sup>		WELL NO. 11 N-03935 <sup>(1)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>INORGANIC</b>												
ARSENIC	10.0 ug/l	3.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BARIUM	2.0 mg/l	0.2 mg/l	0.0064/0.0064	0.0064/0.0064	0.0051/0.0050	0.0051/0.0050	0.0027/0.0027	0.0027/0.0027	ND/0.015	ND/0.014	ND/0.017	ND/0.17
CADMIUM	5.0 ug/l	5.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	0.10 mg/l	0.01 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	[1.3] mg/l	0.02 mg/l	0.019/ND	0.019/ND	ND	ND	0.0024/ ND	0.0012/ND	ND	ND	ND	ND
FLUORIDE	2.2 mg/l	0.1 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LEAD	[15.0] ug/l	1.0 ug/l	2.0/ND	2.0/ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURY	2.0 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LANGLIER SATURATION INDEX	None	None	-4.19/-4.04	-4.19/-3.97	-3.52/-2.66	-3.52/-2.66	-3.25/-1.92	-3.25/-1.92	ND/-4.2	ND/-4.04	ND/-3.67	ND/-3.67
SELENIUM	50 ug/l	5.0 ug/l	ND	ND	2.2/2.3	2.2/2.3	ND	ND	ND	ND	ND	ND
SILVER	0.1 mg/l	0.01 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	*20/270 mg/l	0.2 mg/l	17.0/16.9	17.0/16.9	13.6/13.3	13.6/13.3	11.3/11.4	11.3/11.4	ND/27.3	ND/26.6	ND/38.8	ND/38.8
ZINC	5.0 mg/l	0.02 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND/0.03	ND/0.03
COLOR	15 Units	5 Units	ND	ND	6.0/ND	6.0/ND	ND	ND	ND	ND	ND	ND
TURBIDITY	5 Units	1 Unit	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ODOR	3 Units	0 Units	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
IRON	0.3 mg/l	0.02 mg/l	0.043/0.087	0.043/0.05	ND	ND	ND	ND	ND	ND	ND/0.028	ND/0.028
MANGANESE	0.3 mg/l	0.01 mg/l	0.021/0.023	0.021/0.022	ND	ND	ND	ND	ND	ND	ND	ND
AMMONIA	None	0.1 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NITRITE	1.0 mg/l	0.1 mg/l	ND	ND	ND	ND	0.066/ND	0.02/ND	ND	ND	ND	ND
NITRATE	10.0 mg/l	0.1 mg/l	0.65 <sup>(2)</sup> /0.33 <sup>(4)</sup>	0.645/0.32	2.0 <sup>(2)</sup> /2.0 <sup>(2)</sup>	2.0/2.0	6.7 <sup>(8)</sup> /5.9 <sup>(2)</sup>	6.2/5.9	6.8/5.8	4.5/4.9	5.5 <sup>(34)</sup> /4.6 <sup>(4)</sup>	4.3/3.3
CHLORIDE	250 mg/l	1.0 mg/l	37.6/37.0	37.6/37.3	28.4/28.2	28.4/28.2	22.1/20.0	21.0/20.0	ND/61.4	ND/58.6	ND/78.5	ND/78.5
TOTAL HARDNESS	None	1.0 mg/l	29.4/29.7	29.4/29.6	32.1/31.3	32.1/31.3	46.0/46.9	46.0/46.9	ND/61.1	ND/58.2	ND/59.9	ND/59.9
TOTAL ALKALINITY	None	0 mg/l	80.6 <sup>(2)</sup> /4.3 <sup>(2)</sup>	42.4/4.1	5.9/6.1	5.9/6.1	13.0 <sup>(2)</sup> /12.3	12.6/12.3	ND/4.9	ND/4.7	ND/3.0	ND/3.0
pH (BEFORE TREATMENT)	None	None	4.3/4.3	4.3/4.3	5.2/6.4	5.2/6.4	4.7/5.8	4.7/5.8	ND/4.7	ND/4.7	ND/4.9	ND/4.9
TOTAL DISSOLVED SOLIDS	None	5.0 mg/l	80.0/86.0	80.0/85.0	117.0/133.0	117.0/133.0	137.0/134.0	137.0/134.0	ND/154.0	ND/152.7	ND/222.0	ND/222.0
CALCIUM HARDNESS	None	1.0 mg/l	15.6/15.9	15.6/15.8	16.9/16.5	16.9/16.5	22.9/23.3	22.9/23.3	ND/35.5	ND33.6	ND/35.2	ND/35.2
DETERGENTS (MBAS)	None	0.08 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SULFATE	250 mg/l	5.0 mg/l	15.0/14.8	15.0/14.8	11.9/11.8	11.9/11.8	13.8 <sup>(2)</sup> /12.3	13.1/12.3	ND/27.6	ND/26.1	ND/23.4	ND/23.4
FREE CYANIDE	200 ug/l	10.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ANTIMONY	6.0 ug/l	5.9 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BERYLLIUM	4.0 ug/l	3.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	None	1.0 mg/l	6.2/6.4	6.2/6.4	6.8/6.6	6.8/6.6	9.2/9.3	9.2/9.3	ND/14.2	ND/13.5	ND/14.1	ND/14.1
MAGNESIUM	None	1.0 mg/l	3.4/3.4	3.4/3.4	3.7/3.6	3.7/3.6	5.6/5.7	5.6/5.7	ND/6.2	ND/6.0	ND/6.0	ND/6.0
NICKEL	0.1 mg/l	0.0005 mg/l	0.0089/0.0057	0.0089/0.0056	0.0049/0.0047	0.0049/0.0047	0.00083/0.00093	0.00083/0.00093	ND/0.0036	ND/0.0035	ND/0.0048	ND/0.0048
THALLIUM	2.0 ug/l	0.3 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PERCHLORATE	18 ug/l	1.0 ug/l	ND	ND	ND	ND	5.13 <sup>(3)</sup> /ND	3.21/ND	ND	ND	ND	ND

ND - NOT DETECTED

[ ] - USEPA/NYS DH ACTION LEVEL

\* - 20 mg/l IS THE LIMIT FOR PEOPLE ON HIGHLY RESTRICTED SODIUM DIETS AND 270 mg/l FOR THOSE ON MODERATELY RESTRICTED SODIUM DIETS

\*\* - EXCEEDS NEW YORK STATE/USEPA LIMITS FOR POTABLE WATER

\*\*\*WELL NO. 10 IS BLENDED WITH WELL NO. 11 TO REDUCE THE NITRATE CONCENTRATION FROM THE 10/11 PLANT SITE. RAW WATER FROM WELL NO. 10 IS PRESENTED ABOVE

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR



INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (mg/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163		WELL NO. 13 N-07058 <sup>(2)</sup>		WELL NO. 14 N-08339		WELL NO. 15 N-10033		WELL NO. 16 N-10034 <sup>(4)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>INORGANIC</b>												
ARSENIC	10.0 ug/l	3.0 ug/l	OUT OF SERVICE		ND	ND	OUT OF SERVICE		OUT OF SERVICE		OUT OF SERVICE	
BARIUM	2.0 mg/l	0.2 mg/l			0.0033/0.0031	0.0033/0.0031						
CADMIUM	5.0 ug/l	5.0 ug/l			ND	ND						
CHROMIUM	0.10 mg/l	0.01 mg/l			ND	ND						
COPPER	[1.3] mg/l	0.02 mg/l			0.0097/0.0054	0.0097/0.0054						
FLUORIDE	2.2 mg/l	0.1 mg/l			ND	ND						
LEAD	[15.0] ug/l	1.0 ug/l			ND	ND						
MERCURY	2.0 ug/l	0.2 ug/l			ND	ND						
LANGLIER SATURATION INDEX	None	None			-3.32/-1.68	-3.32/-1.68						
SELENIUM	50 ug/l	5.0 ug/l			ND	ND						
SILVER	0.1 mg/l	0.01 mg/l			ND	ND						
SODIUM	*20/270 mg/l	0.2 mg/l			15.4/15.2	15.4/15.2						
ZINC	5.0 mg/l	0.02 mg/l			ND	ND						
COLOR	15 Units	5 Units			ND	ND						
TURBIDITY	5 Units	1 Unit			ND	ND						
ODOR	3 Units	0 Units			ND	ND						
IRON	0.3 mg/l	0.02 mg/l			ND	ND						
MANGANESE	0.3 mg/l	0.01 mg/l			ND	ND						
AMMONIA	None	0.1 mg/l			ND	ND						
NITRITE	1.0 mg/l	0.1 mg/l			ND	ND						
NITRATE	10.0 mg/l	0.1 mg/l			4.6 <sup>(8)</sup> /0.77 <sup>(2)</sup>	3.9/0.77						
CHLORIDE	250 mg/l	1.0 mg/l			32.1/47.9	32.1/47.9						
TOTAL HARDNESS	None	1.0 mg/l			52.4/52.2	52.4/52.2						
TOTAL ALKALINITY	None	0 mg/l			11.1/12.1	11.1/12.1						
pH (BEFORE TREATMENT)	None	None			4.8/6.2	4.8/6.2						
TOTAL DISSOLVED SOLIDS	None	5.0 mg/l			142.0/186.0	142.0/186.0						
CALCIUM HARDNESS	None	1.0 mg/l			27.2/27.5	27.2/27.5						
DETERGENTS (MBAS)	None	0.08 mg/l			ND	ND						
SULFATE	250 mg/l	5.0 mg/l			20.7/29.4	20.7/29.4						
FREE CYANIDE	200 ug/l	10.0 ug/l			ND	ND						
ANTIMONY	6.0 ug/l	5.9 ug/l			ND	ND						
BERYLLIUM	4.0 ug/l	3.0 ug/l			ND	ND						
CALCIUM	None	1.0 mg/l			10.9/11.0	10.9/11.0						
MAGNESIUM	None	1.0 mg/l			6.1/6.0	6.1/6.0						
NICKEL	0.1 mg/l	0.0005 mg/l			ND/0.00066	ND/0.00066						
THALLIUM	2.0 ug/l	0.3 ug/l			ND	ND						
PERCHLORATE	18 ug/l	1.0 ug/l			ND	ND						

CONT. - CONTAMINANT

ND - NOT DETECTED

\* - 20 mg/l IS THE LIMIT FOR PEOPLE ON HIGHLY RESTRICTED SODIUM DIETS AND 270 mg/l FOR THOSE ON MODERATELY RESTRICTED SODIUM DIETS

[ ] - USEPA/NYS DH ACTION LEVEL

\*\*\* - EXCEEDS NEW YORK STATE MAXIMUM CONTAMINANT LEVEL FOR POTABLE WATER BEFORE TREATMENT. THE STANDARD FOR IRON IS A SECONDARY STANDARD FOR AESTHETICS ONLY. IRON POSES NO HEALTH RISKS.

WELL NOS. 12, 14, 15 & 16 - OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095		WELL NO. 8 N-01697		WELL NO. 9 N-03881		WELL NO. 10 N-03934 <sup>(1)</sup>		WELL NO. 11 N-03935 <sup>(2)</sup>	
			MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT
<b>SYNTHETIC ORGANICS CONTAMINANTS (SOC)</b>												
LINDANE	0.2 ug/l	0.025 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
HEPTACHLOR	0.4 ug/l	0.025 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
ALDRIN	5.0 ug/l	0.025 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
HEPTACHLOR EPOXIDE	0.2 ug/l	0.025 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
DIELDRIN	2.0 ug/l	0.05 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
ENDRIN	2.0 ug/l	0.05 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
METHOXYCHLOR	40.0 ug/l	0.25 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
TOXAPHENE	3.0 ug/l	2.5 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
CHLORDANE	2.0 ug/l	0.5 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
TOTAL PCBs	0.5 ug/l	0.5 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
PROPACHLOR	50.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	0.02	0.02	0.019	0.019
ALACHLOR	2.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
SIMAZINE	4.0 ug/l	0.5 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	0.059	0.059	0.058	0.058
ATRAZINE	3.0 ug/l	0.5 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	0.059	0.059	0.058	0.058
METOLACHLOR	50.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	0.069	0.069	0.067	0.067
METRIBUZIN	50.0 ug/l	0.5 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	0.088	0.088	0.089	0.089
BUTACHLOR	50.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	0.059	0.059	0.058	0.058

CONT. - CONTAMINANT

ND - NOT DETECTED

NOT TESTED - STATE AND COUNTY TESTING REQUIREMENTS INCLUDE TESTING FOR SOC ONCE EVERY 18 MONTHS. THIS WELL NOT TESTED IN 2021.

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163		WELL NO. 13 N-07058		WELL NO. 14 N-08339		WELL NO. 15 N-10033		WELL NO. 16 N-10034	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT
<b>SYNTHETIC ORGANICS CONTAMINANTS (SOC)</b>												
LINDANE	0.2 ug/l	0.025 ug/l	OUT OF SERVICE		NOT TESTED		OUT OF SERVICE		OUT OF SERVICE		OUT OF SERVICE	
HEPTACHLOR	0.4 ug/l	0.025 ug/l			NOT TESTED							
ALDRIN	5.0 ug/l	0.025 ug/l			NOT TESTED							
HEPTACHLOR EPOXIDE	0.2 ug/l	0.025 ug/l			NOT TESTED							
DIELDRIN	2.0 ug/l	0.05 ug/l			NOT TESTED							
ENDRIN	2.0 ug/l	0.05 ug/l			NOT TESTED							
METHOXYCHLOR	40.0 ug/l	0.25 ug/l			NOT TESTED							
TOXAPHENE	3.0 ug/l	2.5 ug/l			NOT TESTED							
CHLORDANE	2.0 ug/l	0.5 ug/l			NOT TESTED							
TOTAL PCBs	0.5 ug/l	0.5 ug/l			NOT TESTED							
PROPACHLOR	50.0 ug/l	1.0 ug/l			NOT TESTED							
ALACHLOR	2.0 ug/l	1.0 ug/l			NOT TESTED							
SIMAZINE	4.0 ug/l	0.5 ug/l			NOT TESTED							
ATRAZINE	3.0 ug/l	0.5 ug/l			NOT TESTED							
METOLACHLOR	50.0 ug/l	1.0 ug/l			NOT TESTED							
METRIBUZIN	50.0 ug/l	0.5 ug/l			NOT TESTED							
BUTACHLOR	50.0 ug/l	1.0 ug/l			NOT TESTED							

CONT. - CONTAMINANT

ND - NOT DETECTED

Pg/L = PICOGRAMS PER LITER

WELL NOS. 12, 14, 15 & 16 - OUT OF SERVICE IN 2021

NOT TESTED - STATE AND COUNTY TESTING REQUIREMENTS INCLUDE TESTING FOR SOC ONCE EVERY 18 MONTHS. THIS WELL NOT TESTED IN 2021.

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095		WELL NO. 8 N-01697		WELL NO. 9 N-03881		WELL NO. 10 N-03934 <sup>(1)</sup>		WELL NO. 11 N-03935 <sup>(2)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>SYNTHETIC ORGANICS CONTAMINANTS (SOC)</b>												
<b>(CONT'D.)</b>												
1,4 DIOXANE	1.0 ug/l*	0.7 ug/l	1.7 <sup>(12)</sup> /0.41 <sup>(12)</sup>	1.4/0.12	1.1 <sup>(4)</sup>	1.0	0.42 <sup>(4)</sup>	0.39	1.4 <sup>(6)</sup> /ND	1.2/ND	1.2 <sup>(9)</sup> /ND	1.1/ND
2,4-D	50.0 ug/l	0.25 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
2,4,5-TP (SILVEX)	10.0 ug/l	0.13 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
DINOSEB	7.0 ug/l	0.2 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
DALAPON	200 ug/l	0.7 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
PICLORAM	500 ug/l	0.6 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
DICAMBA	50.0 ug/l	0.08 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
PENTACHLOROPHENOL	1.0 ug/l	0.2 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	50.0 ug/l	0.64 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
Di(2-ETHYLHEXYL)ADIPATE	400 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	0.59	0.59	0.58	0.58
bis(2-ETHYLHEXYL)PHTHALATE	6.0 ug/l	3.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	0.59	0.59	0.58	0.58
HEXACHLOROBENZENE	1.0 ug/l	0.25 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
BENZO(A)PYRENE	0.2 ug/l	0.1 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	0.02	0.02	0.019	0.019
ALDICARB SULFONE	2.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
ALDICARB SULFOXIDE	4.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
ALDICARB	3.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
TOTAL ALDICARBS	7.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
OXAMYL	200 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
METHOMYL	50.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
3-HYDROXYCARBOFURAN	50.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
CARBOFURAN	40.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
CARBARYL	50.0 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
GLYPHOSATE	700 ug/l	10.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	TESTED	NOT TESTED	TESTED
DIQUAT	20 ug/l	1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	TESTED	NOT TESTED	TESTED
ENDOTHALL	100 ug/l	50.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	TESTED	NOT TESTED	TESTED
1,2-DIBROMOETHANE (EDB)	0.05 ug/l	0.02 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	TESTED	NOT TESTED	TESTED
1,2-DIBROMO-3-CHL.PROPANE	0.2 ug/l	0.02 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
DIOXIN	30 Pg/L	5.0 Pg/L	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	TESTED	NOT TESTED	TESTED

CONT. - CONTAMINANT

ND - NOT DETECTED

Pg/L = PICOGRAMS PER LITER

NOT TESTED - STATE AND COUNTY TESTING REQUIREMENTS INCLUDE TESTING FOR SOC ONCE EVERY 18 MONTHS. THIS WELL NOT TESTED IN 2021.

\* - MCL for 1,4-Dioxane established on August 26, 2020. The Village received an MCL Deferral from NYSDOH for 1,4-Dioxane, PFOA, and PFOS until May 25, 2022 to allow sufficient time to install wellhead treatment systems.

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163		WELL NO. 13 N-07058		WELL NO. 14 N-08339		WELL NO. 15 N-10033		WELL NO. 16 N-10034	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT
<b>SYNTHETIC ORGANICS CONTAMINANTS (SOC)</b> (CONT'D.)												
1,4 DIOXANE	1.0 ug/l*	0.7 ug/l	OUT OF SERVICE		0.85 <sup>(4)</sup>	0.79	OUT OF SERVICE		OUT OF SERVICE		OUT OF SERVICE	
2,4-D	50.0 ug/l	0.25 ug/l			NOT TESTED							
2,4,5-TP (SILVEX)	10.0 ug/l	0.13 ug/l			NOT TESTED							
DINOSEB	7.0 ug/l	0.2 ug/l			NOT TESTED							
DALAPON	200 ug/l	0.7 ug/l			NOT TESTED							
PICLORAM	500 ug/l	0.6 ug/l			NOT TESTED							
DICAMBA	50.0 ug/l	0.08 ug/l			NOT TESTED							
PENTACHLOROPHENOL	1.0 ug/l	0.2 ug/l			NOT TESTED							
HEXACHLOROCYCLOPENTADIENE	50.0 ug/l	0.64 ug/l			NOT TESTED							
Di(2-ETHYLHEXYL)ADIPATE	400 ug/l	1.0 ug/l			NOT TESTED							
bis(2-ETHYLHEXYL)PHTHALATE	6.0 ug/l	3.0 ug/l			NOT TESTED							
HEXACHLOROBENZENE	1.0 ug/l	0.25 ug/l			NOT TESTED							
BENZO(A)PYRENE	0.2 ug/l	0.1 ug/l			NOT TESTED							
ALDICARB SULFONE	2.0 ug/l	1.0 ug/l			NOT TESTED							
ALDICARB SULFOXIDE	4.0 ug/l	1.0 ug/l			NOT TESTED							
ALDICARB	3.0 ug/l	1.0 ug/l			NOT TESTED							
TOTAL ALDICARBS	7.0 ug/l	1.0 ug/l			NOT TESTED							
OXAMYL	200 ug/l	1.0 ug/l			NOT TESTED							
METHOMYL	50.0 ug/l	1.0 ug/l			NOT TESTED							
3-HYDROXYCARBOFURAN	50.0 ug/l	1.0 ug/l			NOT TESTED							
CARBOFURAN	40.0 ug/l	1.0 ug/l			NOT TESTED							
CARBARYL	50.0 ug/l	1.0 ug/l			NOT TESTED							
GLYPHOSATE	700 ug/l	10.0 ug/l			NOT TESTED							
DIQUAT	20 ug/l	1.0 ug/l			NOT TESTED							
ENDOTHALL	100 ug/l	50.0 ug/l			NOT TESTED							
1,2-DIBROMOETHANE (EDB)	0.05 ug/l	0.02 ug/l			NOT TESTED							
1,2-DIBROMO-3-CHL.PROPANE	0.2 ug/l	0.02 ug/l			ND	ND						
DIOXIN	30 Pg/L	5.0 Pg/L			NOT TESTED							

CONT. - CONTAMINANT

ND - NOT DETECTED

Pg/L = PICOGRAMS PER LITER

WELL NOS. 12, 14, 15 & 16 - OUT OF SERVICE IN 2021

NOT TESTED - STATE AND COUNTY TESTING REQUIREMENTS INCLUDE TESTING FOR SOC ONCE EVERY 18 MONTHS. THIS WELL NOT TESTED IN 2021.

\* - MCL for 1,4-Dioxane established on August 26, 2020. The Village received an MCL Deferral from NYSDOH for 1,4-Dioxane, PFOA, and PFOS until May 25, 2022 to allow sufficient time to install wellhead treatment systems.

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

**INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA**

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095 <sup>(31)</sup>		WELL NO. 8 N-01697 <sup>(17)</sup>		WELL NO. 9 N-03881 <sup>(24)</sup>		WELL NO. 10 N-03934 <sup>(13)</sup>		WELL NO. 11 N-03935 <sup>(20)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>TRIHALOMETHANES AND HALOACETIC ACIDS</b>												
CHLOROACETIC ACID	---	< 2.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
BROMOACETIC ACID	---	< 1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
DICHLOROACETIC ACID	---	< 1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND/1.5	ND/0.5	ND/1.9	ND/0.96
TRICHLOROACETIC ACID	---	< 1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
DIBROMOACETIC ACID	---	< 2.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
TOTAL HALOACETIC ACID	60 ug/l	< 2.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND	ND	ND	ND
BROMIDE	---	---	0.19 <sup>(1)</sup> /0.18 <sup>(2)</sup>	0.19/0.18	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	ND/0.25	ND/0.24	ND	ND
CHLOROFORM	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND	ND	ND	0.69 <sup>(3)</sup> /0.75 <sup>(10)</sup>	0.23/0.08	ND	ND
BROMODICHLOROMETHANE	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOFORM	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL TRIHALOMETHANES	80 ug/l	< 1.0 ug/l	ND	ND	ND	ND	ND	ND	0.69 <sup>(3)</sup> /ND	0.23/ND	ND	ND
<b>RADIONUCLIDES</b>												
GROSS ALPHA	15 pCi/L	< 3 pCi/L	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
GROSS BETA	50 pCi/L	< 3 pCi/L	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
RADIUM 226 & 228 COMBINED	5 pCi/L	< 3 pCi/L	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
URANIUM	30 ug/l	< 3 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED

CONT. - CONTAMINANT

ND - NOT DETECTED

NOT TESTED - STATE AND COUNTY TESTING REQUIREMENTS INCLUDE TESTING FOR RADIONUCLIDES ONCE EVERY 36 MONTHS. APPROPRIATE STEPS ARE TAKEN IF RADIONUCLIDES ARE HIGHER THAN THE EPA'S LIMITS THIS WELL NOT TESTED IN 2021.

pCi/L - pico Curies per Liter

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163		WELL NO. 13 N-07058 <sup>(22)</sup>		WELL NO. 14 N-08339 <sup>(4)</sup>		WELL NO. 15 N-10033		WELL NO. 16 N-10034	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>TRihalOMETHANES AND HALOACETIC ACIDS</b>												
CHLOROACETIC ACID	---	< 2.0 ug/l	OUT OF SERVICE		NOT TESTED		NOT TESTED		OUT OF SERVICE		OUT OF SERVICE	
BROMOACETIC ACID	---	< 1.0 ug/l			NOT TESTED		NOT TESTED					
DICHLOROACETIC ACID	---	< 1.0 ug/l			NOT TESTED		NOT TESTED					
TRICHLOROACETIC ACID	---	< 1.0 ug/l			NOT TESTED		NOT TESTED					
DIBROMOACETIC ACID	---	< 2.0 ug/l			NOT TESTED		NOT TESTED					
TOTAL HALOACETIC ACID	60 ug/l	< 2.0 ug/l			NOT TESTED		NOT TESTED					
BROMIDE	---	---			NOT TESTED		NOT TESTED					
CHLOROFORM	50 ug/l	< 0.5 ug/l			ND	ND	ND	ND				
BROMODICHLOROMETHANE	50 ug/l	< 0.5 ug/l			ND	ND	ND	ND				
DIBROMOCHLOROMETHANE	50 ug/l	< 0.5 ug/l			ND	ND	ND	ND				
BROMOFORM	50 ug/l	< 0.5 ug/l			ND	ND	ND	ND				
TOTAL TRIHALOMETHANES	80 ug/l	< 1.0 ug/l			ND	ND	ND	ND				
<b>RADIONUCLIDES</b>												
GROSS ALPHA	15 pCi/L	< 3 pCi/L			NOT TESTED		NOT TESTED					
GROSS BETA	50 pCi/L	< 3 pCi/L			NOT TESTED		NOT TESTED					
RADIUM 226 & 228 COMBINED	5 pCi/L	< 3 pCi/L			NOT TESTED		NOT TESTED					
URANIUM	30 ug/l	< 3 ug/l			NOT TESTED		NOT TESTED					

CONT. - CONTAMINANT

ND - NOT DETECTED

pCi/L - pico Curies per Liter

WELL NOS. 12, 15 & 16 - OUT OF SERVICE IN 2021

NOT TESTED - STATE AND COUNTY TESTING REQUIREMENTS INCLUDE TESTING FOR RADIONUCLIDES ONCE EVERY 36 MONTHS. APPROPRIATE STEPS ARE TAKEN IF RADIONUCLIDES ARE HIGHER THAN THE EPA'S LIMITS THIS WELL NOT TESTED IN 2021.

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095		WELL NO. 8 N-01697		WELL NO. 9 N-03881		WELL NO. 10 N-03934		WELL NO. 11 N-03935	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>BROMIDE</b>	---	---	0.19/0.018 <sup>(2)</sup>	0.19/0.18	NOT TESTED		NOT TESTED		ND/0.25 <sup>(3)</sup>	ND/0.24	ND	ND
<b><u>VOLATILES</u></b>												
1,1-DICHLOROETHENE	5.0 ug/l	0.5 ug/l	0.58/ND	0.17/ND	2.1/ND	1.6/ND	ND	ND	1.4/ND	1.0/ND	1.4/ND	1.0/ND
1,2,3-TRICHLORPROPANE	5.0 ug/l	0.03 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
1,3-BUTADIENE	50 ug/l	0.1 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOCHLOROMETHANE	50 ug/l	0.06 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	5.0 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLORODIFLUOROMETHANE	5.0 ug/l	0.08 ug/l	ND	ND	1.6 <sup>(5)</sup> /ND	1.34/ND	ND	ND	***8.4 <sup>(3)</sup> /**3.0 <sup>(10)</sup>	***8.0/2.9	***6.5 <sup>(7)</sup> /4.3 <sup>(13)</sup>	4.3/2.4
CHLOROMETHANE	5.0 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b><u>PERFLUORO CHEMICALS</u></b>												
PERFLUOROBUTANESULFONIC ACID	50,000 ng/l	900 ng/l	ND	ND	ND	ND	ND	ND	2.1 <sup>(3)</sup> /ND	1.3/ND	2.1 <sup>(5)</sup> /ND	0.7/ND
PERFLUOROHEPTANOIC ACID	50,000 ng/l	10 ng/l	ND	ND	ND	ND	ND	ND	6.2 <sup>(3)</sup> /ND	4.7/ND	5.2 <sup>(5)</sup> /ND	4.8/ND
PERFLUOROHEXANESULFONIC ACID	50,000 ng/l	30 ng/l	ND	ND	ND	ND	ND	ND	7.0 <sup>(3)</sup> /ND	6.4/ND	5.6 <sup>(5)</sup> /ND	0.7/ND
PERFLUORONONANOIC ACID	50,000 ng/l	20 ng/l	ND	ND	2.4 <sup>(4)</sup>	1.9	4.1 <sup>(4)</sup>	3.6	6.9 <sup>(3)</sup> /ND	6.3/ND	5.3 <sup>(5)</sup> /ND	6.1/ND
PERFLUOROOCETANESULFONIC ACID	10 ng/l*	40 ng/l	ND	ND	4.6 <sup>(4)</sup>	4.1	2.5 <sup>(4)</sup>	2.0	11.3 <sup>(3)</sup> /ND	10.9/ND	10.6 <sup>(5)</sup> /ND	11.0/ND
PERFLUOROOCETANOIC ACID	10 ng/l*	20 ng/l	2.0 <sup>(9)</sup> /ND	1.5/ND	5.7 <sup>(4)</sup>	5.4	ND	ND	12.0 <sup>(3)</sup> /ND	11.0/ND	9.6 <sup>(5)</sup> /ND	10.6/ND
<b><u>METALS</u></b>												
CHROMIUM	100 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBALT		1.0 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
MOLYBDENUM		1.0 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
STRONTIUM		0.3 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
VANADIUM		0.2 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
HEXAVALENT CHROMIUM		0.03 ug/l	1.3 <sup>(4)</sup> /1.6 <sup>(9)</sup>	0.53/0.31	NOT TESTED		NOT TESTED		ND/1.0 <sup>(3)</sup>	ND/0.55	0.11 <sup>(3)</sup> /0.75 <sup>(5)</sup>	0.07/0.21
CHLORATE		20 ug/l	92.1 <sup>(4)</sup> /92.8 <sup>(9)</sup>	23.0/20.3	NOT TESTED		NOT TESTED		ND/12.9 <sup>(3)</sup>	ND/12.6	12.0 <sup>(1)</sup> /13.0 <sup>(3)</sup>	7.4/7.4
<b><u>HORMONES</u></b>												
17-ALPHA-ETHNYLESTRADIOL	50 ug/l	0.0004 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
17-BETA-ESTRADIOL	50 ug/l	0.0009 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
4-ANDROSTENE-3,17-DIONE	50 ug/l	0.0003 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
EQUILIN	50 ug/l	0.004 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
ESTRIOL	50 ug/l	0.0008 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
ESTRONE	50 ug/l	0.002 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	
TESTOSTERONE	50 ug/l	0.0001 ug/l	NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED	

CONT. - CONTAMINANT

ND - NOT DETECTED

\* - MCL for PFOA and PFOS established on August 26, 2020. The Village received an MCL Deferral from NYSDOH for 1,4-Dioxane, PFOA, and PFOS until May 25, 2022 to allow sufficient time to install wellhead treatment systems.

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR



INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163		WELL NO. 13 N-07058		WELL NO. 14 N-08339		WELL NO. 15 N-10033		WELL NO. 16 N-10034	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT
BROMIDE	---	---	OUT OF SERVICE		NOT TESTED		NOT TESTED		OUT OF SERVICE		OUT OF SERVICE	
<b><u>VOLATILES</u></b>												
1,1-DICHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,2,3-TRICHLORPROPANE	5.0 ug/l	0.03 ug/l			ND	ND	ND	ND				
1,3-BUTADIENE	50 ug/l	0.1 ug/l			ND	ND	ND	ND				
BROMOCHLOROMETHANE	50 ug/l	0.06 ug/l			ND	ND	ND	ND				
BROMOMETHANE	5.0 ug/l	0.2 ug/l			ND	ND	ND	ND				
CHLORODIFLUOROMETHANE	5.0 ug/l	0.08 ug/l			ND	ND	ND	ND				
CHLOROMETHANE	5.0 ug/l	0.2 ug/l										
<b><u>PERFLUORO CHEMICALS</u></b>												
PERFLUOROBUTANESULFONIC ACID	50,000 ng/l	900 ng/l			12.5 <sup>(3)</sup>	16.3	ND	ND				
PERFLUOROHEPTANOIC ACID	50,000 ng/l	10 ng/l			7.1 <sup>(3)</sup>	5.5	5.8 <sup>(1)</sup>	5.8				
PERFLUOROHEXANESULFONIC ACID	50,000 ng/l	30 ng/l			ND	ND	7.4 <sup>(1)</sup>	7.4				
PERFLUORONONANOIC ACID	50,000 ng/l	20 ng/l			2.6 <sup>(3)</sup>	2.5	20 <sup>(1)</sup>	20.0				
PERFLUOROOCETANESULFONIC ACID	10 ng/l*	40 ng/l			4.6 <sup>(3)</sup>	3.8	22.4 <sup>(1)</sup>	22.4				
PERFLUOROOCETANOIC ACID	10 ng/l*	20 ng/l			20.9 <sup>(3)</sup>	18.0	8.4 <sup>(1)</sup>	8.4				
<b><u>METALS</u></b>												
CHROMIUM	100 ug/l	0.2 ug/l			ND	ND	ND	ND				
COBALT		1.0 ug/l			NOT TESTED		NOT TESTED					
MOLYBDENUM		1.0 ug/l			NOT TESTED		NOT TESTED					
STRONTIUM		0.3 ug/l			NOT TESTED		NOT TESTED					
VANADIUM		0.2 ug/l			NOT TESTED		NOT TESTED					
HEXAVALENT CHROMIUM CHLORATE		0.03 ug/l 20 ug/l			NOT TESTED NOT TESTED		NOT TESTED NOT TESTED					
<b><u>HORMONES</u></b>												
17-ALPHA-ETHNYLESTRADIOL	50 ug/l	0.0004 ug/l			NOT TESTED		NOT TESTED					
17-BETA-ESTRADIOL	50 ug/l	0.0009 ug/l			NOT TESTED		NOT TESTED					
4-ANDROSTENE-3,17-DIONE	50 ug/l	0.0003 ug/l			NOT TESTED		NOT TESTED					
EQUILIN	50 ug/l	0.004 ug/l			NOT TESTED		NOT TESTED					
ESTRIOL	50 ug/l	0.0008 ug/l			NOT TESTED		NOT TESTED					
ESTRONE	50 ug/l	0.002 ug/l			NOT TESTED		NOT TESTED					
TESTOSTERONE	50 ug/l	0.0001 ug/l			NOT TESTED		NOT TESTED					

CONT. - CONTAMINANT

ND - NOT DETECTED

Pg/L = PICOGRAMS PER LITER

WELL NOS. 12, 15 & 16 - OUT OF SERVICE IN 2021

\* - MCL for PFOA and PFOS established on August 26, 2020. The Village received an MCL Deferral from NYSDOH for 1,4-Dioxane, PFOA, and PFOS until May 25, 2022 to allow sufficient time to install wellhead treatment systems.

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095		WELL NO. 8 N-01697		WELL NO. 9 N-03881		WELL NO. 10 N-03934		WELL NO. 11 N-03935	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>UCMR4</b>												
GERMANIUM		0.3 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
MANGANESE		0.04 mg/l	0.021 <sup>(2)</sup> /0.023 <sup>(2)</sup>	0.021/0.022	ND	ND	ND	ND	ND	ND	ND	ND
ALPHA-HEXACHLOROCYCLOHEXANE		0.01 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
CHLORPYRIFOS		0.03 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
DIMETHIPIN		0.2 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
ETHOPROP		0.03 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
OXYFLUORFEN		0.05 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
PROFENOFOS		0.3 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
TEBUCONAZOLE		0.2 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
TOTAL PERMETHRIN (cis- & trans-)		0.04 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
TRIBUFOS		0.07 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
BUTYLATED HYDROXYANISOLE		0.03 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
o-TOLUIDINE		0.007 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
QUINOLINE		0.02 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
1-BUTANOL		2.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
2-METHOXYETHANOL		0.4 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
2-PROPEN-1-OL		0.5 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
HAA5 (5 regulated Haloacetic Acids)		None	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
HAA6Br (6 brominated Haloacetic Acids)		None	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
HAA9 (9 Haloacetic Acids)		None	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED

CONT. - CONTAMINANT

ND - NOT DETECTED

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163		WELL NO. 13 N-07058		WELL NO. 14 N-08339		WELL NO. 15 N-10033		WELL NO. 16 N-10034	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT
<b>UCMR4</b>												
GERMANIUM		0.3 ug/l	OUT OF SERVICE		NOT TESTED			NOT TESTED		OUT OF SERVICE		OUT OF SERVICE
MANGANESE		0.04 mg/l			ND	ND		ND	ND			
ALPHA-HEXACHLOROCYCLOHEXANE		0.01 ug/l			NOT TESTED			NOT TESTED				
CHLORPYRIFOS		0.03 ug/l			NOT TESTED			NOT TESTED				
DIMETHIPIN		0.2 ug/l			NOT TESTED			NOT TESTED				
ETHOPROP		0.03 ug/l			NOT TESTED			NOT TESTED				
OXYFLURFEN		0.05 ug/l			NOT TESTED			NOT TESTED				
PROFENOFOS		0.3 ug/l			NOT TESTED			NOT TESTED				
TEBUCONAZOLE		0.2 ug/l			NOT TESTED			NOT TESTED				
TOTAL PERMETHRIN (cis- & trans-)		0.04 ug/l			NOT TESTED			NOT TESTED				
TRIBUFOS		0.07 ug/l			NOT TESTED			NOT TESTED				
BUTYLATED HYDROXYANISOLE		0.03 ug/l			NOT TESTED			NOT TESTED				
o-TOLUIDINE		0.007 ug/l			NOT TESTED			NOT TESTED				
QUINOLINE		0.02 ug/l			NOT TESTED			NOT TESTED				
1-BUTANOL		2.0 ug/l			NOT TESTED			NOT TESTED				
2-METHOXYETHANOL		0.4 ug/l			NOT TESTED			NOT TESTED				
2-PROPEN-1-OL		0.5 ug/l			NOT TESTED			NOT TESTED				
HAA5 (5 regulated Haloacetic Acids)		None			NOT TESTED			NOT TESTED				
HAA6Br (6 brominated Haloacetic Acids)		None			NOT TESTED			NOT TESTED				
HAA9 (9 Haloacetic Acids)		None			NOT TESTED			NOT TESTED				

CONT. - CONTAMINANT

ND - NOT DETECTED

WELL NOS. 12, 15 & 16 - OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095 <sup>(31)</sup>		WELL NO. 8 N-01697 <sup>(17)</sup>		WELL NO. 9 N-03881 <sup>(24)</sup>		WELL NO. 10 N-03934 <sup>(13)</sup>		WELL NO. 11 N-03935 <sup>(20)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>VOLATILE ORGANICS</b>												
DICHLORODIFLUOROMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	***17.2/0.63	***11.6/0.3	ND	ND
CHLOROMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	2.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	***10.5/ND	***7.3/ND	***18.0/ND	***13.9/ND
1,1-DICHLOROETHENE	5.0 ug/l	0.5 ug/l	0.58/ND	0.17/ND	2.1/ND	1.6/ND	ND	ND	1.4/ND	1.0/ND	1.4/ND	1.0/ND
METHYLENE CHLORIDE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND/0.58	ND/0.05
TRANS-1,2-DICHLOROETHENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	5.0 ug/l	0.5 ug/l	0.54/0.83	0.06/0.2	ND	ND	ND	ND	2.6/ND	1.7/ND	1.8/ND	1.4/ND
<i>cis</i> -1,2-DICHLOROETHENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	1.2/ND	1.0/ND	2.1/ND	1.7/ND	2.6/ND	2.1/ND
2,2-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BROMOCHLOROMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-TRICHLOROETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	0.53/ND	0.09/ND	ND	ND	ND	ND
1,1-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	5.0 ug/l	0.5 ug/l	***6.1/ND	3.9/ND	***17.1/ND	***14.2/ND	***79.6/1.8	***66.2/1.2	***12.1/ND	***9.9/ND	***28.6/ND	***22.9/ND
1,2-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIBROMOMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DIBROMOETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TRANS-1,3-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<i>cis</i> -1,3-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-TRICHLOROETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	5.0 ug/l	0.5 ug/l	0.54/ND	0.11/ND	***9.7/ND	***8.18/ND	***39.0/0.65	***33.4/0.06	***32.1/ND	***28.4/ND	***55.3/ND	***46.8/ND

CONT. - CONTAMINANT

ND - NOT DETECTED

\*\*\* - EXCEEDS NEW YORK STATE/USEPA LIMITS FOR POTABLE WATER

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095 <sup>(31)</sup>		WELL NO. 8 N-01697 <sup>(17)</sup>		WELL NO. 9 N-03881 <sup>(24)</sup>		WELL NO. 10 N-03934 <sup>(13)</sup>		WELL NO. 11 N-03935 <sup>(20)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>VOLATILE ORGANICS (CONT'D.)</b>												
1,3-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-TETRACHLOROETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-TRICHLOROTRIFLUOROETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	0.57/0.5	0.09/0.04
BROMOBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-TETRACHLOROETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-TRICHLOROPROPANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-CHLOROTOLUENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLOROTOLUENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-TRICHLOROBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-TRICHLOROBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ACETONE	50.0 ug/l	2.0 ug/l	ND	ND	ND	ND	ND	ND	2.3 <sup>(3)</sup> /ND	0.77/ND	ND	ND
BENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M,P-XYLENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
O-XYLENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
STYRENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ISOPROPYLBENZENE (CUMENE)	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-PROPYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-TRIMETHYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

CONT. - CONTAMINANT

ND - NOT DETECTED

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095 <sup>(31)</sup>		WELL NO. 8 N-01697 <sup>(17)</sup>		WELL NO. 9 N-03881 <sup>(24)</sup>		WELL NO. 10 N-03934 <sup>(13)</sup>		WELL NO. 11 N-03935 <sup>(20)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>VOLATILE ORGANICS (CONT'D.)</b>												
TERT-BUTYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-TRIMETHYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SEC-BUTYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-ISOPROPYLTOLUENE (P-CUMENE)	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-BUTYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHYL TERT.BUTYL ETHER (MTBE)	10.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	0.78/ND	0.64/ND

CONT. - CONTAMINANT

ND - NOT DETECTED

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163		WELL NO. 13 N-07058 <sup>(22)</sup>		WELL NO. 14 N-08339 <sup>(4)</sup>		WELL NO. 15 N-10033		WELL NO. 16 N-10034	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>VOLATILE ORGANICS</b>												
DICHLORODIFLUOROMETHANE	5.0 ug/l	0.5 ug/l	OUT OF SERVICE		ND	ND	ND	ND	OUT OF SERVICE		OUT OF SERVICE	
CHLOROMETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
VINYL CHLORIDE	2.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
BROMOMETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
CHLOROMETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
TRICHLOROFLUOROMETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,1-DICHLOROETHENE	5.0 ug/l	0.5 ug/l			0.78/ND	0.62/ND	1.5/ND	1.5/ND				
METHYLENE CHLORIDE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
TRANS-1,2-DICHLOROETHENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,1-DICHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
cis-1,2-DICHLOROETHENE	5.0 ug/l	0.5 ug/l			3.7/ND	3.1/ND	***13.3/ND	***13.2/ND				
2,2-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
BROMOCHLOROMETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,1,1-TRICHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND	0.95/ND	0.95/ND				
CARBON TETRACHLORIDE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,1-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,2-DICHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
TRICHLOROETHENE	5.0 ug/l	0.5 ug/l			***42.6/ND	***35.4/ND	***23.0/ND	***22.6/ND				
1,2-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
DIBROMOMETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,2-DIBROMOETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
TRANS-1,3-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
cis-1,3-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,1,2-TRICHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
TETRACHLOROETHENE	5.0 ug/l	0.5 ug/l			***337.0/ND	***283.6/ND	***385.0/1.0	***374.0/1.0				

CONT. - CONTAMINANT

ND - NOT DETECTED

\*\*\* - EXCEEDS NEW YORK STATE/USEPA LIMITS FOR POTABLE WATER

\* - MECHANICAL FAILURE OF TREATMENT SYSTEM ON JUNE 26, 2007

WELL NOS. 12, 15 & 16 - OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163		WELL NO. 13 N-07058 <sup>(22)</sup>		WELL NO. 14 N-08339 <sup>(4)</sup>		WELL NO. 15 N-10033		WELL NO. 16 N-10034	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>VOLATILE ORGANICS (CONT'D.)</b>												
1,3-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l	OUT OF SERVICE		ND	ND	ND	ND	OUT OF SERVICE		OUT OF SERVICE	
CHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,1,1,2-TETRACHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,1,2-TRICHLOROTRIFLUOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
BROMOBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,1,2,2-TETRACHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,2,3-TRICHLOROPROPANE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
2-CHLOROTOLUENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
4-CHLOROTOLUENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,2-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,3-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,4-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,2,4-TRICHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
HEXACHLOROBUTADIENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,2,3-TRICHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
ACETONE	50.0 ug/l	2.0 ug/l			ND	ND	ND	ND				
BENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
TOLUENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
ETHYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
M,P-XYLENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
O-XYLENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
STYRENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
ISOPROPYLBENZENE (CUMENE)	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
N-PROPYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
1,3,5-TRIMETHYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				

CONT. - CONTAMINANT

ND - NOT DETECTED

\* - MECHANICAL FAILURE OF TREATMENT SYSTEM ON JUNE 26, 2007

WELL NOS. 12, 15 & 16 - OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR



INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT  
2021 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163		WELL NO. 13 N-07058 <sup>(22)</sup>		WELL NO. 14 N-08339 <sup>(4)</sup>		WELL NO. 15 N-10033		WELL NO. 16 N-10034	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)
<b>VOLATILE ORGANICS (CONT'D.)</b>												
TERT-BUTYLBENZENE	5.0 ug/l	0.5 ug/l	OUT OF SERVICE		ND	ND	ND	ND	OUT OF SERVICE		OUT OF SERVICE	
1,2,4-TRIMETHYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
SEC-BUTYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
4-ISOPROPYLTOLUENE (P-CUMENE)	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
N-BUTYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
METHYL TERT.BUTYL ETHER (MTBE)	10.0 ug/l	0.5 ug/l			ND	ND	ND	ND				

CONT. - CONTAMINANT

ND - NOT DETECTED

\* - MECHANICAL FAILURE OF TREATMENT SYSTEM ON JUNE 26, 2007

WELL NOS. 12, 15 & 16 - OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR