2022 drinking water quality report

INC. VILLAGE OF GARDEN CITY

PUBLIC WATER SUPPLY IDENTIFICATION NO. 2902824

ANNUAL WATER SUPPLY REPORT **MAY 2023**

The Village of Garden City is pleased to present to you the 2022 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.

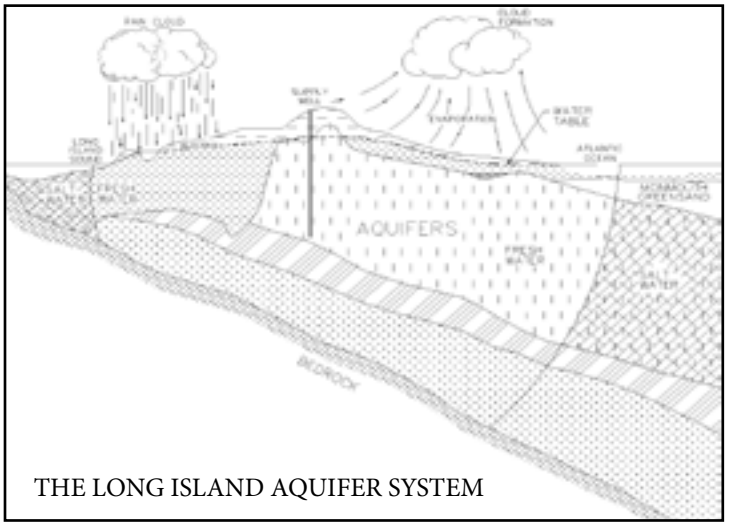
SOURCE OF OUR WATER

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 2022 was approximately 28,000. The total amount of water withdrawn from the aquifer in 2022 was 1.72 billion gallons, of which approximately 75 percent was billed directly to consumers.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 in 2022. 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 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. In November 2022, the Village began adding orthophosphate to mitigate corrosion.

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)

NEW YORK STATE MANDATORY HEALTH ADVISORY

During 2022, the Village collected 63 samples in June and 63 samples in December for lead and copper. Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Village of Garden City is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in hour home. You share the responsibility for protecting yourself and your family from the lead in our home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact the Village of Garden City, Supt. Stan Carey at (516) 465-4043. Information on lead in drinking water, testing methods and steps you can take to minimize exposure is available 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 Cryptosporidum, 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 Adminstrator 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.

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 contamiants. 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.

MCL DEFERRAL

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/DocumentCenter/View/1516/2023-1st-Quarter-Update-on-Wellhead-Treatment-Progress-Potential-Issues-and-Water-Quality-Update or https://www.gardencityny.net/DocumentCenter/View/1517/2023-1st-Quarter-Progress-Update-for-Inc-Village-of-Garden-City-Emerging-Contaminant-Treatment-Systems or you can scan the **QR Code** located on the bottom of Page 7.

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:

Detergents (MBAS)	Pentachlorophenol	Bromodichloromethane	Chlorobenzene
Free Cyanide	Hexachlorocyclopentadiene	Dibromochloromethane	1,1,1,2-Tetrachloroethane
Antimony	bis(2-Ethylhexyl)adipate	Bromoform	Bromobenzene
Beryllium	bis(2-Ethylhexyl)phthalate	Dichlorodifluoromethane	1,1,2,2-Tetrachloroethane
Thallium	Hexachlorobenzene	Chloromethane	1,2,3-Trichloropropane
Perchlorate	Benzo(A)Pyrene	Vinyl Chloride	2-Chlorotoluene
Lindane	Aldicarb Sulfone	Bromomethane	4-Chlorotoluene
Heptachlor	Aldicarbsulfoxide	Chloroethane	1,2-Dichlorobenzene
Aldrin	Aldicarb	Trichlorofluoromethane	1,3-Dichlorobenzene
Perfluorodecanoic Acid	Total Aldicarbs	Chlorodifluoromethane	1,4-Dichlorobenzene
Perfluoro-3-Methoxy-propanoic Acid	Oxamyl	1,1-Dichloroethene	1,24-Trichlorobenzene
Perfluoropentanoic Acid	Methomyl	Methylene Chloride	Hexachlorobutadiene
Perfluorotridecanoic Acid	3-Hydroxycarbofuran	Trans-1,2-Dichloroethene	1,2,3-Trichlorobenzene
HFPO-DA	Carbofuran	1,1-Dichloroethane	Benzene
6:2FTS	Carbaryl	cis-1,2-Dichloroethene	Toluene
Heptachloro Epoxide	Glyphosate	2,2-Dichloropropane	Ethylbenzene
Dieldrin	Diquat	Bromochloromethane	M,P-Xylene
Endrin	Endothall	1,1,1-Trichloroethane	O-Xylene
Methoxychlor	1,2-Dibromoethane (EDB)	Carbon Tetrachloride	Styrene
Toxaphene	Perfluorododecanoic Acid	1,1-Dichloropropene	Isopropylbenzene (Cumene)
Chlordane	Perfluoro-4-Methoxybutanoic Acid	1,2-Dichloroethane	N-Propylbenzene
Total PCBs	Perfluoropentanesulfonic Acid	1,2-Dichloropropane	1,3,5-Trimethylbenzene
Propachlor	NEtFOSSA	Dibromomethane	Tert-Butylbenzene
Alachlor	NFDHA	Trans-1,3-Dichloropropene	1,2,4-Trimethylbenzene
Simazine	8:2FTS	Perfluoro(2-ethoxyethane) sulfonic Acid	Sec-Butylbenzene
Atrazine	1,1,2-Trichlorotrifluoroethane	Perfluoroundecanoic Acid	4-Isopropyltoluene (P-Cumene)
Metolachlor	1,2-Dibromo-3-Chl.Propane	NMeFOSSA	N-Butylbenzene
Metribuzin	Dioxin	11Cl-PF64dS	Methyl Tert.Butyl Ether (MTBE)
Butachlor	Chloroacetic Acid	ADONA	Perfluorobutanesulfonic acid
2,4-D	Bromoacetic Acid	4:2FTS	Perfluorobutanoic Acid
2,4,5-TP (Silvex)	Dichloroacetic Acid	Acetone	Perfluoro-1-heptansulfonic Acid
Dinoseb	Trichloroacetic Acid	cis-1,3-Dichloropropene	Perfluorohexanoic Acid
Dalapon	Dibromoacetic Acid	1,1,2-Trichloroethane	Perfluorotetradecanoic Acid
Picloram	Total Haloacetic Acid	Tetrachloroethene	9CL-PF3ONS
Dicamba	Chloroform	1,3-Dichloropropane	

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VILLAGE OF GARDEN CITY

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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

2022 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
Lead and Copper							
Copper	No	December 2022	ND - 247.0 31.3[1]	mg/l	1.3	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	No	December 2022	0.002 - 0.196 0.063[1]	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits
Inorganic Contaminants							
Barium	No	08/30/22	0.0029 - 0.02	mg/l	2.0	MCL = 2.0	Naturally occurring
Sodium	No	08/30/22	12.5 - 47.6	mg/l	n/a	No MCL[2]	Naturally occurring
Iron	No	06/21/22	ND - 0.031	ug/l	n/a	MCL = 300	Naturally occurring
Manganese	No	08/30/22	ND - 0.011	ug/l	n/a	MCL = 300	Naturally occurring
Zinc	No	08/24/22	ND - 0.15	mg/l	n/a	MCL = 5	Naturally occurring
Color	No	07/12/22	ND - 8.0	Units	n/a	MCL = 15	Naturally occurring
Chloride	No	08/22/22	11.4 - 95.5	mg/l	n/a	MCL = 250	Naturally occurring
Nickel	No	08/23/22	0.00088 - 0.0053	ug/l	n/a	No MCL	Naturally occurring
Calcium	No	06/28/22	6.5 - 23.7	mg/l	n/a	No MCL	Naturally occurring
Nitrate	No	08/22/22	2.6 - 6.0	mg/l	10	MCL = 10	Runoff from fertilizer and leaching from septic tanks and sewage
Magnesium	No	08/18/22	3.4 - 6.7	mg/l	n/a	None	Naturally occurring
Sulfate	No	08/18/22	13.9 - 27.3	mg/l	n/a	MCL = 250	Naturally occurring
Selenium	No	09/20/22	ND - 2.0	ug/l	50	MCL = 50	Industriral discharge
Bromide	No	08/30/22	ND - 0.081	mg/l	0	No MCL	Naturally occurring
Volatile Organic Contaminants							
Trichloroethene	No	04/27/22	ND - 1.2	ug/l	n/a	MCL = 5	Industrial/Commercial discharge
Disinfection By-Products							
Total Trihalomethanes (TTHM)	No	12/06/22	ND - 1.2	ug/l	n/a	MCL = 80	Disinfection By-Products
Radionuclides							
Gross Alpha	No	12/22/22	0.342 - 4.84	pCi/L	n/a	MCL = 15	Naturally occurring
Gross Beta	No	12/22/22	1.36 - 4.53	pCi/L	n/a	MCL = 50	Naturally occurring
Radium 226 & 228	No	12/22/22	0.113 - 2.03	pCi/L	n/a	MCL = 5[3]	Naturally occurring
Uranium	No	12/22/22	0.171 - 2.42	ug/l	n/a	MCL = 30	Naturally occurring
Disinfectant							
Chlorine Residual	No	Continuous	0.1 - 1.12	mg/l	n/a	MRDL = 4.0	Measure of disinfectant
Physical Characteristics							
Field pH	No	Continuous	6.9 - 8.5	pH units	n/a	7.5 - 8.5[4]	Measure of acidity or alkalinity
Total Alkalinity	No	06/15/22	4.2 - 87.1	mg/l	n/a	No MCL	Naturally occurring
Calcium Hardness	No	08/18/22	18.3 - 38.2	mg/l	n/a	No MCL	Naturally occurring
Total Hardness	No	08/18/22	32.6 - 65.9	mg/l	n/a	No MCL	Naturally occurring
Total Dissolved Solids (TDS)	No	08/30/22	97.0 - 236.0	mg/l	n/a	No MCL	Naturally occurring

2022 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
Sythetic Organic Contaminants (SOCs)							
1,4-Dioxane	No[9]	09/28/22	0.39 - 1.6	ug/l	n/a	MCL = 1.0[5]	Used in manufacturing process[6]
Perfluorooctanesulfonic Acid (PFOS)	No[9]	09/09/22	ND - 5.7	ng/l	0	MCL = 10.0[7]	Industrial discharge[8]
Perfluorooctanoic Acid (PFOA)	No[9]	09/09/22	ND - 8.4	ng/l	0	MCL = 10.0[7]	Industrial discharge
UCMR3							
Hexavalent Chromium	No	11/29/22	ND - 0.52	ug/l	0	No MCL	Natural deposits
Chlorate	No	11/28/22	ND - 13.4	ug/l	0	No MCL	Disinfection By-Products
Perfluoroheptanoic Acid	No	09/09/22	ND - 5.4	ng/l	0	MCL = 50,000	Industrial discharge
Perfluorohexanesulfonic Acid	No	09/09/22	ND - 7.8	ng/l	0	MCL = 50,000	Industrial discharge
Perfluorononanoic Acid (PFNA)	No	09/09/22	ND - 19.8	ng/l	0	MCL = 50,000	Industrial discharge
UCMR4							
Manganese	No	10/25/22	0.51 - 8.8	ug/l	n/a	MCL = 300[10]	Naturally occurring

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.

[1] - The level presented represents the 90th percentile of the 63 sites tested. 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 values detected at your water system. In this case, sixty three samples were collected at your water system and the 90th percentile value was the seventh highest value (31.3 ug/l). The action level for lead was exceeded at thirty one of the sites tested.

[2] - 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.

[3] -MCL for Radium is for Radium 226 and Radium 228 combined.

[4] - As per Nassau County Department of Health guidelines.

[5] - 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.

[6] - 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.

[7] - 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.

[8] - 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.

[9] - The Village received an MCL Deferral from NYSDOH for 1,4-Dioxane, PFOA and PFOS until May 25, 2023 to allow sufficient time to install wellhead treatment systems.

[10] - If iron and manganese are present , the total concentration of both should not exceed 500 ug/l. Higher levels may be allowed by the State when justified by the supplier of water.

The table, on page 5, reveals that the water level for lead exceeded the action level of 15 ug/l in more than 10 percent of the homes tested. Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure. Infants and young children are typically more vulnerable to lead in drinking water than the general population. 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. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested. Additional information regarding lead in drinking water is available from the Safe Drinking Water Hotline (1-800-426-4791).

The Village of Garden City has implemented a program to minimize lead levels in your drinking water. This program includes: 1) the addition of corrosion control chemicals; 2) lead sampling upon request; and 3) public education. The system will be conducting lead and copper testing again in June 2023.

SOURCE WATER ASSESSMENT

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.

WATER CONSERVATION

During 2022, the Village of Garden City continued to implement a water conservation program in order to minimize any unnecessary water use. The pumpage for 2022 was 2.6 percent more than in 2021.

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. The Meadow Street and Grove Street water main was completed in 2022. Additional system improvements are planned for 2023

INCORPORATED VILLAGE OF GARDEN CITY
351 Stewart Avenue
Garden City, New York 11530

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Trustee Lawrence N. Marciano, Jr.
Trustee Michael J. Sullivan
Trustee Bruce A. Torino

Village Administrator
Ralph V. Suozzi

Water & Sewer Superintendent
Stan Carey

Deferrals

Progress Update

Copies of a Supplemental Data Package, which includes the water quality data for each of our supply wells utilized during 2022, 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.

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA

PARAMETERS (mg/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095[10] MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095[10] AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697[2] MAX. RESULT (Raw/Treat)	WELL NO. 8 N-01697[2] AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881[2] MAX. RESULT (Raw/Treat)	WELL NO. 9 N-03881[2] AVG. RESULT (Raw/Treat)	WELL NO. 10 N-03934[2] MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934[2] AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935[3] MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935[3] AVG. RESULT (Raw/Treat)
INORGANIC												
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	ND	ND	0.0051[2]/0.0052[1]	0.0051/0.0052	0.0029[3]/0.0029	0.0029/0.0029	0.018[3]/0.016	0.018/0.016	0.023/0.02	0.023/0.02
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	ND	ND	ND	ND	0.0046/ND	0.0033/ND	0.0028[3]/0.0041	0.0009/0.0041	ND/0.02	ND/0.02
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	ND	ND	ND	ND	ND	ND	ND	ND	1.3/ND	0.7/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	-2.47/-0.89	-1.22/-0.89	-3.83/-2.44	-2.23/2.44	-3.38[12]/-2.39	-1.97/-2.39	-2.99[13]/-2.55	-2.17/-2.55	-3.92/-4.6	-2.78/-3.7
SELENIUM	50 ug/l	5.0 ug/l	ND	ND	2.0/ND	1.0/ND	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	ND	ND	14.6/14.7	14.6/14.7	12.5/12.5	12.5/12.5	ND/30.8	ND/30.8	51.6/49.4	51.6/48.5
ZINC	5.0 mg/l	0.02 mg/l	ND	ND	ND/0.091	ND/0.091	0.066/ND	0.066/ND	ND	ND	ND/0.32	ND/0.16
COLOR	15 Units	5 Units	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TURBIDITY	5 Units	1 Unit	ND	ND	ND	ND	ND	ND	ND	ND	ND/1.5	ND/0.8
ODOR	3 Units	0 Units	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
IRON	0.3 mg/l	0.02 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.089/***0.46	0.089/0.23
MANGANESE	0.3 mg/l	0.01 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.014/0.015	0.014/0.013
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	ND	ND	ND	ND	ND	ND
NITRATE	10.0 mg/l	0.1 mg/l	ND	ND	2.6[2]/2.6[2]	2.6/2.6	6.4[8]/6.0[2]	6.1/6.0	5.3[24]/5.0[4]	4.5/5.0	4.5[22]/5.5[6]	3.7/4.5
CHLORIDE	250 mg/l	1.0 mg/l	ND	ND	28.9/29.1	28.9/29.1	21.7/21.7	21.7/21.7	ND/59.6	ND/59.6	110.0/117.0	110.0/106.3
TOTAL HARDNESS	None	1.0 mg/l	ND	ND	34.4/34.5	34.4/34.5	51.4/51.3	51.4/51.3	ND/65.9	ND/65.9	62.1/60.4	62.1/60.3
TOTAL ALKALINITY	None	0 mg/l	95.1/87.1	68.1/87.1	8.1[12]/5.9	7.4/5.9	16.2[12]/13.5	12.4/13.5	8.6[13]/4.7	5.9/4.7	6.2/4.2	5.4/2.1
pH	None	None	ND	ND	7.2/6.5	6.6/6.5	7.3[2]/5.8	6.5/5.8	7.1/6.9	7.1/6.9	5.4/6.9	5.4/5.1
TOTAL DISSOLVED SOLIDS	None	5.0 mg/l	262.0[8]/179.0	198.6/179.0	144.0[11]/127.0	121.0/127.0	162.0/124.0	162.0/124.0	250.0[12]/206.0	221.7/206.0	230.0[2]/236.0[2]	224.5/235.5
CALCIUM HARDNESS	None	1.0 mg/l	ND	ND	18.2/18.3	18.2/18.3	25.5/25.5	25.5/25.5	ND/38.2	ND/38.2	36.0/34.7	36.0/34.5
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	ND	ND	14.5/14.4	14.5/14.4	14.6/13.9	14.6/13.9	ND/27.3	ND/27.3	19.5/29.1	19.5/25.5
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	14.2/7.9	7.8/7.9	9.7/7.3	7.9/7.3	13.0[12]/10.2	10.6/10.2	18.2[13]/15.3	15.2/15.3	15.0/13.9	14.7/13.8
MAGNESIUM	None	1.0 mg/l	ND	ND	3.9/3.9	3.9/3.9	6.3/6.3	6.3/6.3	ND/6.7	ND/6.7	6.4/6.3	6.4/6.3
NICKEL	0.1 mg/l	0.0005 mg/l	ND	ND	0.0049/0.005	0.0049/0.005	0.00094[3]/0.0011	0.00089/0.0011	0.0048[3]/0.0037	0.0044/0.0037	0.0051/0.011	0.0051/0.008
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	ND	ND	ND	ND	ND	ND

ND - NOT DETECTED

[ ] - USEPA/NYSDH 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 CONCETRATION 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
2022 WATER QUALITY DATA (continued)

PARAMETERS (mg/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163 MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163 AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [2] MAX. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [2] AVG. RESULT (Raw/Treat)	WELL NO. 14 N-08339 MAX. RESULT (Raw/Treat)	WELL NO. 14 N-08339 AVG. RESULT (Raw/Treat)	WELL NO. 15 N-10033 MAX. RESULT (Raw/Treat)	WELL NO. 15 N-10033 AVG. RESULT (Raw/Treat)	WELL NO. 16 N-10034 MAX. RESULT (Raw/Treat)	WELL NO. 16 N-10034 AVG. RESULT (Raw/Treat)
INORGANIC												
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			0.0035[4]/0.0036	0.003/0.0036						
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			0.014[2]/0.0023[2]	0.007/0.001						
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			-3.36[11]/-1.64	-2.00/-1.64						
SELENIUM	50 ug/l	5.0 ug/l			2.8[4]/ND	0.7/ND						
SILVER	0.1 mg/l	0.01 mg/l			ND	ND						
SODIUM	*20/270 mg/l	0.2 mg/l			16.3/16.4	16.3/16.4						
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			3.9[8]/3.4[2]	3.5/3.4						
CHLORIDE	250 mg/l	1.0 mg/l			32.6/32.7	32.6/32.7						
TOTAL HARDNESS	None	1.0 mg/l			55.4/55.4	55.4/55.4						
TOTAL ALKALINITY	None	0 mg/l			14.7[11]/10.6	13.2/10.6						
pH	None	None			7.4[2]/5.4	6.4/5.4						
TOTAL DISSOLVED SOLIDS	None	5.0 mg/l			181.0[10]/159.0	144.6/159.0						
CALCIUM HARDNESS	None	1.0 mg/l			29.0/29.0	29.0/29.0						
DETERGENTS (MBAS)	None	0.08 mg/l			ND	ND						
SULFATE	250 mg/l	5.0 mg/l			23.2/23.2	23.2/23.2						
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			14.9[11]/11.6	12.1/11.6						
MAGNESIUM	None	1.0 mg/l			6.4/6.4	6.4/6.4						
NICKEL	0.1 mg/l	0.0005 mg/l			0.00083[4]/0.00088	0.00082/0.00088						
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/NYSDH 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 AND 16 - OUT OF SERVICE IN 2022
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095(1) MAX. RESULT	WELL NO. 7 N-00095(1) AVG. RESULT	WELL NO. 8 N-01697(1) MAX. RESULT	WELL NO. 8 N-01697(1) AVG. RESULT	WELL NO. 9 N-03881(1) MAX. RESULT	WELL NO. 9 N-03881(1) AVG. RESULT	WELL NO. 10 N-03934(1) MAX. RESULT	WELL NO. 10 N-03934(1) AVG. RESULT	WELL NO. 11 N-03935(1) MAX. RESULT	WELL NO. 11 N-03935(1) AVG. RESULT
SYNTHETIC ORGANICS CONTAMINANTS (SOC)												
LINDANE	0.2 ug/l	0.025 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEPTACHLOR	0.4 ug/l	0.025 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ALDRIN	5.0 ug/l	0.025 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEPTACHLOR EPOXIDE	0.2 ug/l	0.025 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIELDRIN	2.0 ug/l	0.05 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ENDRIN	2.0 ug/l	0.05 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHOXYCHLOR	40.0 ug/l	0.25 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOXAPHENE	3.0 ug/l	2.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLORDANE	2.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL PCBs	0.5 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PROPACHLOR	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ALACHLOR	2.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SIMAZINE	4.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ATRAZINE	3.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METOLACHLOR	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METRIBUZIN	50.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BUTACHLOR	50.0 ug/l	1.0 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
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163 MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163 AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058[1] MAX. RESULT	WELL NO. 13 N-07058[1] AVG. RESULT	WELL NO. 14 N-08339 MAX. RESULT	WELL NO. 14 N-08339 AVG. RESULT	WELL NO. 15 N-10033 MAX. RESULT (Raw/Treat)	WELL NO. 15 N-10033 AVG. RESULT (Raw/Treat)	WELL NO. 16 N-10034 MAX. RESULT	WELL NO. 16 N-10034 AVG. RESULT
SYNTHETIC ORGANICS CONTAMINANTS (SOC)												
LINDANE	0.2 ug/l	0.025 ug/l	**OUT OF**	**SERVICE**	ND	ND	ND	ND	**OUT OF**	**SERVICE**	**OUT OF**	**SERVICE**
HEPTACHLOR	0.4 ug/l	0.025 ug/l			ND	ND	ND	ND				
ALDRIN	5.0 ug/l	0.025 ug/l			ND	ND	ND	ND				
HEPTACHLOR EPOXIDE	0.2 ug/l	0.025 ug/l			ND	ND	ND	ND				
DIELDRIN	2.0 ug/l	0.05 ug/l			ND	ND	ND	ND				
ENDRIN	2.0 ug/l	0.05 ug/l			ND	ND	ND	ND				
METHOXYCHLOR	40.0 ug/l	0.25 ug/l			ND	ND	ND	ND				
TOXAPHENE	3.0 ug/l	2.5 ug/l			ND	ND	ND	ND				
CHLORDANE	2.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
TOTAL PCBs	0.5 ug/l	0.5 ug/l			ND	ND	ND	ND				
PROPACHLOR	50.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
ALACHLOR	2.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
SIMAZINE	4.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
ATRAZINE	3.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
METOLACHLOR	50.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
METRIBUZIN	50.0 ug/l	0.5 ug/l			ND	ND	ND	ND				
BUTACHLOR	50.0 ug/l	1.0 ug/l			ND	ND	ND	ND				

CONT. - CONTAMINANT
ND - NOT DETECTED
Pg/L = PICROGRAMS PER LITER
WELL NOS. 12, 15 AND 16 - OUT OF SERVICE IN 2022
WELL NO. 14 WAS OUT OF SERVICE FOR THE 2ND, 3RD & 4TH QUARTERS OF 2022. ANY SAMPLES TAKEN ARE LISTED
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095[1] MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095[1] AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697[1] MAX. RESULT	WELL NO. 8 N-01697[1] AVG. RESULT	WELL NO. 9 N-03881[1] MAX. RESULT	WELL NO. 9 N-03881[1] AVG. RESULT	WELL NO. 10 N-03934[1] MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934[1] AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935[1] MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935[1] AVG. RESULT (Raw/Treat)
SYNTHETIC ORGANICS CONTAMINANTS (SOC) (CONT'D.)												
1,4 DIOXANE	1.0 ug/l*	0.7 ug/l	1.6[7]/ND	1.2/ND	1.5[4]	1.2	0.45[4]	0.42	1.2[7]/ND	1.0/ND	1.1[7]/ND	1.0/ND
2,4-D	50.0 ug/l	0.25 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP (SILVEX)	10.0 ug/l	0.13 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DINOSEB	7.0 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DALAPON	200 ug/l	0.7 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PICLORAM	500 ug/l	0.6 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DICAMBA	50.0 ug/l	0.08 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	1.0 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	50.0 ug/l	0.64 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di(2-ETHYLHEXYL)ADIPATE	400 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-ETHYLHEXYL)PHTHALATE	6.0 ug/l	3.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	1.0 ug/l	0.25 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BENZO(A)PYRENE	0.2 ug/l	0.1 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ALDICARB SULFONE	2.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ALDICARB SULFOXIDE	4.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ALDICARB	3.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL ALDICARBS	7.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OXAMYL	200 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METHOMYL	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-HYDROXYCARBOFURAN	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBOFURAN	40.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARBARYL	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GLYPHOSATE	700 ug/l	10.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIQUAT	20 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ENDOTHALL	100 ug/l	50.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DIBROMOETHANE (EDB)	0.05 ug/l	0.02 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DIBROMO-3-CHL.PROPANE	0.2 ug/l	0.02 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DIOXIN	30 Pg/L	5.0 Pg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163 MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163 AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058[1] MAX. RESULT	WELL NO. 13 N-07058[1] AVG. RESULT	WELL NO. 14 N-08339[1] MAX. RESULT	WELL NO. 14 N-08339[1] AVG. RESULT	WELL NO. 15 N-10033 MAX. RESULT (Raw/Treat)	WELL NO. 15 N-10033 AVG. RESULT (Raw/Treat)	WELL NO. 16 N-10034 MAX. RESULT	WELL NO. 16 N-10034 AVG. RESULT
SYNTHETIC ORGANICS CONTAMINANTS (SOC) (CONT'D.)												
1,4 DIOXANE	1.0 ug/l*	0.7 ug/l	**OUT OF SERVICE**		0.84[4]	0.79	**NOT TESTED**		**OUT OF SERVICE**		**OUT OF SERVICE**	
2,4-D	50.0 ug/l	0.25 ug/l			ND	ND	ND	ND				
2,4,5-TP (SILVEX)	10.0 ug/l	0.13 ug/l			ND	ND	0.18[1]	0.18				
DINOSEB	7.0 ug/l	0.2 ug/l			ND	ND	0.22[1]	0.22				
DALAPON	200 ug/l	0.7 ug/l			ND	ND	ND	ND				
PICLORAM	500 ug/l	0.6 ug/l			ND	ND	ND	ND				
DICAMBA	50.0 ug/l	0.08 ug/l			ND	ND	ND	ND				
PENTACHLOROPHENOL	1.0 ug/l	0.2 ug/l			ND	ND	0.19[1]	0.19				
HEXACHLOROCYCLOPENTADIENE	50.0 ug/l	0.64 ug/l			ND	ND	ND	ND				
Di(2-ETHYLHEXYL)ADIPATE	400 ug/l	1.0 ug/l			ND	ND	ND	ND				
bis(2-ETHYLHEXYL)PHTHALATE	6.0 ug/l	3.0 ug/l			ND	ND	ND	ND				
HEXACHLOROBENZENE	1.0 ug/l	0.25 ug/l			ND	ND	ND	ND				
BENZO(A)PYRENE	0.2 ug/l	0.1 ug/l			ND	ND	ND	ND				
ALDICARB SULFONE	2.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
ALDICARB SULFOXIDE	4.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
ALDICARB	3.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
TOTAL ALDICARBS	7.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
OXAMYL	200 ug/l	1.0 ug/l			ND	ND	ND	ND				
METHOMYL	50.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
3-HYDROXYCARBOFURAN	50.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
CARBOFURAN	40.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
CARBARYL	50.0 ug/l	1.0 ug/l			ND	ND	ND	ND				
GLYPHOSATE	700 ug/l	10.0 ug/l			ND	ND	ND	ND				
DIQUAT	20 ug/l	1.0 ug/l			ND	ND	ND	ND				
ENDOTHALL	100 ug/l	50.0 ug/l			ND	ND	ND	ND				
1,2-DIBROMOETHANE (EDB)	0.05 ug/l	0.02 ug/l			ND	ND	ND	ND				
1,2-DIBROMO-3-CHL.PROPANE	0.2 ug/l	0.02 ug/l			ND	ND	ND	ND				
DIOXIN	30 Pg/L	5.0 Pg/L			ND	ND	ND	ND				

CONT. - CONTAMINANT
ND - NOT DETECTED
Pg/L = PICROGRAMS PER LITER
NOT TESTED - STATE AND COUNTY TESTING REQUIREMENTS INCLUDE TESTING FOR SOC ONCE EVERY 18 MONTHS. THIS WELL NOT TESTED IN 2022.
WELL NOS. 12, 15 AND 16 - OUT OF SERVICE IN 2022
WELL NO. 14 WAS OUT OF SERVICE FOR THE 2ND, 3RD & 4TH QUARTERS OF 2022. ANY SAMPLES TAKEN ARE LISTED
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095(14) MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095(14) AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697(17) MAX. RESULT (Raw/Treat)	WELL NO. 8 N-01697(17) AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881(24) MAX. RESULT (Raw/Treat)	WELL NO. 9 N-03881(24) AVG. RESULT (Raw/Treat)	WELL NO. 10 N-03934(23) MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934(23) AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935(19) MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935(19) AVG. RESULT (Raw/Treat)
TRIHALOMETHANES AND HALOACETIC ACIDS												
CHLOROACETIC ACID	---	< 2.0 ug/l	ND	ND	**NOT**	**TESTED**	**NOT**	**TESTED**	ND	ND	ND	ND
BROMOACETIC ACID	---	< 1.0 ug/l	ND	ND	**NOT**	**TESTED**	**NOT**	**TESTED**	ND	ND	ND	ND
DICHLOROACETIC ACID	---	< 1.0 ug/l	ND	ND	**NOT**	**TESTED**	**NOT**	**TESTED**	ND	ND	ND	ND
TRICHLOROACETIC ACID	---	< 1.0 ug/l	ND	ND	**NOT**	**TESTED**	**NOT**	**TESTED**	ND	ND	ND	ND
DIBROMOACETIC ACID	---	< 2.0 ug/l	ND	ND	**NOT**	**TESTED**	**NOT**	**TESTED**	ND	ND	ND	ND
TOTAL HALOACETIC ACID	60 ug/l	< 2.0 ug/l	ND	ND	**NOT**	**TESTED**	**NOT**	**TESTED**	ND	ND	ND	ND
BROMIDE	---	---	ND	ND	**NOT**	**TESTED**	**NOT**	**TESTED**	ND	ND	ND	ND
CHLOROFORM	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND
RADIONUCLIDES												
GROSS ALPHA	15 pCi/L	< 3 pCi/L	2.63(1)	2.63	1.9(1)	1.90	0.69(1)	0.69	2.74(1)	2.74	4.84(1)	4.84
GROSS BETA	50 pCi/L	< 3 pCi/L	3.42(1)	3.42	2.42(1)	2.42	3.06(1)	3.06	2.9(1)	2.90	4.53(1)	4.53
RADIUM 226 & 228 COMBINED	5 pCi/L	< 3 pCi/L	1.09(2)	10.40	1.2(2)	1.0	0.709(2)	0.411	1.26(2)	1.24	2.03(2)	2.00
URANIUM	30 ug/l	< 3 ug/l	1.32(1)	1.32	0.950(1)	0.950	0.345(1)	0.345	1.37(1)	1.37	2.42(1)	2.42

CONT. - CONTAMINANT
ND - NOT DETECTED
pCi/L - pico Curies per Liter
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163 MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163 AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058 (24) MAX. RESULT (Raw/Treat)	WELL NO. 13 N-07058 (24) AVG. RESULT (Raw/Treat)	WELL NO. 14 N-08339(4) MAX. RESULT (Raw/Treat)	WELL NO. 14 N-08339(4) AVG. RESULT (Raw/Treat)	WELL NO. 15 N-10033 MAX. RESULT (Raw/Treat)	WELL NO. 15 N-10033 AVG. RESULT (Raw/Treat)	WELL NO. 16 N-10034 MAX. RESULT (Raw/Treat)	WELL NO. 16 N-10034 AVG. RESULT (Raw/Treat)
TRIHALOMETHANES AND HALOACETIC ACIDS												
CHLOROACETIC ACID	---	< 2.0 ug/l	OUT OF	SERVICE	NOT	TESTED	OUT OF	SERVICE	OUT OF	SERVICE	OUT OF	SERVICE
BROMOACETIC ACID	---	< 1.0 ug/l			NOT	TESTED						
DICHLOROACETIC ACID	---	< 1.0 ug/l			NOT	TESTED						
TRICHLOROACETIC ACID	---	< 1.0 ug/l			NOT	TESTED						
DIBROMOACETIC ACID	---	< 2.0 ug/l			NOT	TESTED						
TOTAL HALOACETIC ACID	60 ug/l	< 2.0 ug/l			NOT	TESTED						
BROMIDE	---	---			NOT	TESTED						
CHLOROFORM	50 ug/l	< 0.5 ug/l			ND	ND						
BROMODICHLOROMETHANE	50 ug/l	< 0.5 ug/l			ND	ND						
DIBROMOCHLOROMETHANE	50 ug/l	< 0.5 ug/l			ND	ND						
BROMOFORM	50 ug/l	< 0.5 ug/l			ND	ND						
TOTAL TRIHALOMETHANES	80 ug/l	< 1.0 ug/l			ND	ND						
RADIONUCLIDES												
GROSS ALPHA	15 pCi/L	< 3 pCi/L			3.12(1)	3.12	0.606(1)	0.606				
GROSS BETA	50 pCi/L	< 3 pCi/L			1.64(1)	1.64	1.36(1)	1.36				
RADIUM 226 & 228 COMBINED	5 pCi/L	< 3 pCi/L			1.14(2)	0.94	0.764(2)	0.703				
URANIUM	30 ug/l	< 3 ug/l			1.56(1)	1.56	0.303(1)	0.303				

CONT. - CONTAMINANT
ND - NOT DETECTED
pCi/L - pico Curies per Liter
WELL NOS. 12, 15 & 16 - OUT OF SERVICE IN 2022
WELL NO. 14 WAS OUT OF SERVICE FOR THE 2ND, 3RD & 4TH QUARTERS OF 2022. ANY SAMPLES TAKEN ARE LISTED
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095 MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095 AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697 MAX. RESULT (Raw/Treat)	WELL NO. 8 N-01697 AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881 MAX. RESULT (Raw/Treat)	WELL NO. 9 N-03881 AVG. RESULT (Raw/Treat)	WELL NO. 10 N-03934 MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934 AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935 MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935 AVG. RESULT (Raw/Treat)
BROMIDE	---	---	ND	ND	**NOT TESTED**		**NOT TESTED**		ND	ND	ND	ND
VOLATILES												
1,1-DICHLOROETHENE	5.0 ug/l	0.5 ug/l	0.57(7)/ND	0.08/ND	ND	ND	ND	ND	1.4(7)/0.57(16)	1.3/0.07	1.1(7)/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**	
HEXACHLORO-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/0.83(7)	ND/0.12	2.8(5)/ND	1.5/ND	***8.4(7)/***8.7(16)	6.0/2.7	ND	ND	0.88(7)/2.7(12)	0.13/0.29
CHLOROMETHANE	5.0 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PERFLUOROCHEMICALS												
PERFLUOROBUTANESULFONIC ACID	50,000 ng/l	900 ng/l	ND	ND	ND	ND	ND	ND	2.5(7)/ND	1.6/ND	2.5(5)/ND	1.4/ND
PERFLUOROHEPTANOIC ACID	50,000 ng/l	10 ng/l	ND	ND	ND	ND	ND	ND	4.5(7)/ND	3.6/ND	8.1(5)/ND	5.3/ND
PERFLUOROHEXANESULFONIC ACID	50,000 ng/l	30 ng/l	ND	ND	ND	ND	ND	ND	9.6(7)/ND	7.0/ND	7.9(5)/ND	5.5/ND
PERFLUORONONANOIC ACID	50,000 ng/l	20 ng/l	ND	ND	2.3(4)	1.1	5.0(4)	4.3	9.5(7)/ND	6.5/ND	4.9(5)/ND	4.4/ND
PERFLUOROOCTANESULFONIC ACID	10 ng/l*	40 ng/l	ND	ND	5.3(4)	4.1	4.2(4)	3.3	***13.8(7)/ND	***10.7/ND	***13.6(5)/ND	***11.0/ND
PERFLUOROOCTANOIC ACID	10 ng/l*	20 ng/l	2.9(7)/ND	1.3/ND	6.4(4)	5.1	ND	ND	***13.1(7)/ND	***10.5/ND	***12.6(5)/ND	***10.3/ND
PERFLUORODECANOIC ACID	---	1.8 ng/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PERFLUORODODECANOIC ACID	---	1.8 ng/l										
PERFLUOROHEXANOIC ACID	---	1.8 ng/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PERFLUOROTETRADECANOIC ACID	---	1.8 ng/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PERFLUOROTRIDECANOIC ACID	---	1.8 ng/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PERFLUOROUNDECANOIC ACID	---	1.8 ng/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NEtFOSAA	---	1.8 ng/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NMeFOSAA	---	1.8 ng/l										
METALS												
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	0.52(2)/0.14(2)	0.44/0.07	**NOT TESTED**		**NOT TESTED**		ND	ND	ND	ND
CHLORATE		20 ug/l	ND	ND	**NOT TESTED**		**NOT TESTED**		14.4/13.3	13.9/13.2	12.2/ND	6.1/ND
HORMONES												
17-ALPHA-ETHYNYLESTRADIOL	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
*** - EXCEEDS NEW YORK STATE/USEPA LIMITS FOR POTABLE WATER
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163 MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163 AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058 MAX. RESULT	WELL NO. 13 N-07058 AVG. RESULT	WELL NO. 14 N-08339 MAX. RESULT	WELL NO. 14 N-08339 AVG. RESULT	WELL NO. 15 N-10033 MAX. RESULT (Raw/Treat)	WELL NO. 15 N-10033 AVG. RESULT (Raw/Treat)	WELL NO. 16 N-10034 MAX. RESULT	WELL NO. 16 N-10034 AVG. RESULT
BROMIDE	---	---	**OUT OF**	**SERVICE**	**NOT**	**TESTED**	**OUT OF**	**SERVICE**	**OUT OF**	**SERVICE**	**OUT OF**	**SERVICE**
VOLATILES												
1,1-DICHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
1,2,3-TRICHLORPROPANE	5.0 ug/l	0.03 ug/l			ND	ND						
HEXACHLORO-1,3-BUTADIENE	50 ug/l	0.1 ug/l			ND	ND						
BROMOCHLOROMETHANE	50 ug/l	0.06 ug/l			ND	ND						
BROMOMETHANE	5.0 ug/l	0.2 ug/l			0.51(12)/ND	0.04/ND						
CHLORODIFLUOROMETHANE	5.0 ug/l	0.08 ug/l			ND	ND						
CHLOROMETHANE	5.0 ug/l	0.2 ug/l										
PERFLUOROCHEMICALS												
PERFLUOROBUTANESULFONIC ACID	50,000 ng/l	900 ng/l			ND	ND						
PERFLUOROHEPTANOIC ACID	50,000 ng/l	10 ng/l			5.4(4)	3.6						
PERFLUOROHEXANESULFONIC ACID	50,000 ng/l	30 ng/l			7.8(4)	5.4						
PERFLUORONONANOIC ACID	50,000 ng/l	20 ng/l			19.8(4)	17.4						
PERFLUOROOCTANESULFONIC ACID	10 ng/l*	40 ng/l			***15.7(4)	***12.8						
PERFLUOROOCTANOIC ACID	10 ng/l*	20 ng/l			8.4(4)	6.2						
PERFLUORODECANOIC ACID	---	1.8 ng/l			ND	ND						
PERFLUORODODECANOIC ACID	---	1.8 ng/l			ND	ND						
PERFLUOROHEXANOIC ACID	---	1.8 ng/l			ND	ND						
PERFLUOROTETRADECANOIC ACID	---	1.8 ng/l			ND	ND						
PERFLUOROTRIDECANOIC ACID	---	1.8 ng/l			ND	ND						
PERFLUOROUNDECANOIC ACID	---	1.8 ng/l			ND	ND						
NEtFOSAA	---	1.8 ng/l										
NMeFOSAA	---	1.8 ng/l										
METALS					ND	ND						
CHROMIUM	100 ug/l	0.2 ug/l			**NOT**	**TESTED**						
COBALT		1.0 ug/l			**NOT**	**TESTED**						
MOLYBDENUM		1.0 ug/l			**NOT**	**TESTED**						
STRONTIUM		0.3 ug/l			**NOT**	**TESTED**						
VANADIUM		0.2 ug/l			**NOT**	**TESTED**						
HEXAVALENT CHROMIUM		0.03 ug/l			**NOT**	**TESTED**						
CHLORATE		20 ug/l			**NOT**	**TESTED**						
HORMONES												
17-ALPHA-ETHYNYLESTRADIOL	50 ug/l	0.0004 ug/l			**NOT**	**TESTED**						
17-BETA-ESTRADIOL	50 ug/l	0.0009 ug/l			**NOT**	**TESTED**						
4-ANDROSTENE-3,17-DIONE	50 ug/l	0.0003 ug/l			**NOT**	**TESTED**						
EQUILIN	50 ug/l	0.004 ug/l			**NOT**	**TESTED**						
ESTRIOL	50 ug/l	0.0008 ug/l			**NOT**	**TESTED**						
ESTRONE	50 ug/l	0.002 ug/l			**NOT**	**TESTED**						
TESTOSTERONE	50 ug/l	0.0001 ug/l			**NOT**	**TESTED**						

CONT. - CONTAMINANT
ND - NOT DETECTED
Pg/L = PICROGRAMS PER LITER
WELL NOS. 12, 14, 15 & 16 - OUT OF SERVICE IN 2022
*** - EXCEEDS NEW YORK STATE/USEPA LIMITS FOR POTABLE WATER
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095 MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095 AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697 MAX. RESULT (Raw/Treat)	WELL NO. 8 N-01697 AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881 MAX. RESULT (Raw/Treat)	WELL NO. 9 N-03881 AVG. RESULT (Raw/Treat)	WELL NO. 10 N-03934 MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934 AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935 MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935 AVG. RESULT (Raw/Treat)
UCMR4												
GERMANIUM		0.3 ug/l	**NOT**	**TESTED**	**NOT**	**TESTED**	**NOT**	**TESTED**	**NOT**	**TESTED**	**NOT**	**TESTED**
MANGANESE		0.04 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	0.014[(1)]/0.015[(2)]	0.014/0.013
ALPHA-HEXACHLOROCYCLOHEXANE		0.01 ug/l	**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**
DIMETHIPIN		0.2 ug/l	**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**
OXYFLUORFEN		0.05 ug/l	**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**
TEBUCONAZOLE		0.2 ug/l	**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**
TRIBUFOS		0.07 ug/l	**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**
o-TOLUIDINE		0.007 ug/l	**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**
1-BUTANOL		2.0 ug/l	**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**
2-PROPEN-1-OL		0.5 ug/l	**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**
HAA6Br (6 brominated Haloacetic Acids)		None	**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**

CONT. - CONTAMINANT
ND - NOT DETECTED
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA (continued)

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

CONT. - CONTAMINANT
ND - NOT DETECTED
WELL NOS. 12, 14, 15 & 16 - OUT OF SERVICE IN 2022
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095(14) MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095(14) AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697(17) MAX. RESULT (Raw/Treat)	WELL NO. 8 N-01697(17) AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881(24) MAX. RESULT (Raw/Treat)	WELL NO. 9 N-03881(24) AVG. RESULT (Raw/Treat)	WELL NO. 10 N-03934(23) MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934(23) AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935(19) MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935(19) AVG. RESULT (Raw/Treat)
VOLATILE ORGANICS												
DICHLORODIFLUOROMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	***9.6/***12.5	***8.6/4.2	2.3/3.1	1.4/1.3
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	***12.6/2.8	***9.1/0.48	***12.7/1.8	***7.6/0.7
1,1-DICHLOROETHENE	5.0 ug/l	0.5 ug/l	0.54/ND	0.15/ND	2.7/ND	2.2/ND	ND	ND	0.9/ND	0.8/ND	0.74/ND	0.35/ND
METHYLENE CHLORIDE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	0.57/ND	0.08/ND	ND	ND	ND	ND	1.4/0.57	1.3/0.07	1.1/ND	1.0/ND
***cis* -1,2 DICHLOROETHENE**	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	1.3/ND	1.0/ND	1.6/ND	1.6/ND	1.6/ND	1.1/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	0.52/ND	0.04/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	4.4/ND	***19.8/ND	***17.6/ND	***78.3/1.2	***61.5/1.0	***11.1/ND	***10.1/ND	***21.8/ND	***15.5/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
***cis* -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	0.61/ND	0.09/ND	***11.0/ND	***9.9/ND	***39.5/ND	***32.8/ND	***37.0/ND	***32.3/ND	***50.1/ND	***21.6/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
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095[14] MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095[14] AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697[17] MAX. RESULT (Raw/Treat)	WELL NO. 8 N-01697[17] AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881[24] MAX. RESULT (Raw/Treat)	WELL NO. 9 N-03881[24] AVG. RESULT (Raw/Treat)	WELL NO. 10 N-03934[23] MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934[23] AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935[19] MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935[19] AVG. RESULT (Raw/Treat)
VOLATILE ORGANICS (CONT'D.)												
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	ND	ND
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	ND/7.3[13]	ND/0.6	4.1/23.0	0.7/1.9
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
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095(14) MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095(14) AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697(17) MAX. RESULT (Raw/Treat)	WELL NO. 8 N-01697(17) AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881(24) MAX. RESULT (Raw/Treat)	WELL NO. 9 N-03881(24) AVG. RESULT (Raw/Treat)	WELL NO. 10 N-03934(23) MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934(23) AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935(19) MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935(19) AVG. RESULT (Raw/Treat)
VOLATILE ORGANICS (CONT'D.)												
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	0.76/ND	0.57/ND

CONT. - CONTAMINANT
ND - NOT DETECTED
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163 MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163 AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058 (24) MAX. RESULT (Raw/Treat)	WELL NO. 13 N-07058 (24) AVG. RESULT (Raw/Treat)	WELL NO. 14 N-08339 MAX. RESULT (Raw/Treat)	WELL NO. 14 N-08339 AVG. RESULT (Raw/Treat)	WELL NO. 15 N-10033 MAX. RESULT (Raw/Treat)	WELL NO. 15 N-10033 AVG. RESULT (Raw/Treat)	WELL NO. 16 N-10034 MAX. RESULT (Raw/Treat)	WELL NO. 16 N-10034 AVG. RESULT (Raw/Treat)
VOLATILE ORGANICS												
DICHLORODIFLUOROMETHANE	5.0 ug/l	0.5 ug/l	**OUT OF**	**SERVICE**	ND	ND	**OUT OF**	**SERVICE**	**OUT OF**	**SERVICE**	**OUT OF**	**SERVICE**
CHLOROMETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
VINYL CHLORIDE	2.0 ug/l	0.5 ug/l			ND	ND						
BROMOMETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
CHLOROMETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
TRICHLOROFLUOROMETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
1,1-DICHLOROETHENE	5.0 ug/l	0.5 ug/l			1.1/ND	0.8/ND						
METHYLENE CHLORIDE	5.0 ug/l	0.5 ug/l			ND	ND						
TRANS-1,2-DICHLOROETHENE	5.0 ug/l	0.5 ug/l			ND	ND						
1,1-DICHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
***cis* -1,2 DICHLOROETHENE**	5.0 ug/l	0.5 ug/l			4.8/ND	4.2/ND						
2,2-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l			ND	ND						
BROMOCHLOROMETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
1,1,1-TRICHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
CARBON TETRACHLORIDE	5.0 ug/l	0.5 ug/l			ND	ND						
1,1-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l			ND	ND						
1,2-DICHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
TRICHLOROETHENE	5.0 ug/l	0.5 ug/l			***36.7**/ND	***31.4**/ND						
1,2-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l			ND	ND						
DIBROMOMETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
1,2-DIBROMOETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
TRANS-1,3-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l			ND	ND						
***cis* -1,3-DICHLOROPROPENE**	5.0 ug/l	0.5 ug/l			ND	ND						
1,1,2-TRICHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
TETRACHLOROETHENE	5.0 ug/l	0.5 ug/l			***326.0**/ND	***288.3**/ND						

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, 14, 15 & 16 - OUT OF SERVICE IN 2022
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163 MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163 AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [24] MAX. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [24] AVG. RESULT (Raw/Treat)	WELL NO. 14 N-08339 MAX. RESULT (Raw/Treat)	WELL NO. 14 N-08339 AVG. RESULT (Raw/Treat)	WELL NO. 15 N-10033 MAX. RESULT (Raw/Treat)	WELL NO. 15 N-10033 AVG. RESULT (Raw/Treat)	WELL NO. 16 N-10034 MAX. RESULT (Raw/Treat)	WELL NO. 16 N-10034 AVG. RESULT (Raw/Treat)
VOLATILE ORGANICS (CONT'D.)												
1,3-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l	OUT OF	SERVICE	ND	ND	OUT OF	SERVICE	OUT OF	SERVICE	OUT OF	SERVICE
CHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
1,1,1,2-TETRACHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
1,1,2-TRICHLOROTRIFLUOROETHANE	5.0 ug/l	0.5 ug/l			0.51/ND	0.04/ND						
BROMOBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
1,1,2,2-TETRACHLOROETHANE	5.0 ug/l	0.5 ug/l			ND	ND						
1,2,3-TRICHLOROPROPANE	5.0 ug/l	0.5 ug/l			ND	ND						
2-CHLOROTOLUENE	5.0 ug/l	0.5 ug/l			ND	ND						
4-CHLOROTOLUENE	5.0 ug/l	0.5 ug/l			ND	ND						
1,2-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
1,3-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
1,4-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
1,2,4-TRICHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
HEXACHLOROBUTADIENE	5.0 ug/l	0.5 ug/l			ND	ND						
1,2,3-TRICHLOROBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
ACETONE	50.0 ug/l	2.0 ug/l			2.1[1]/ND	2.1/ND						
BENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
TOLUENE	5.0 ug/l	0.5 ug/l			ND	ND						
ETHYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
M,P-XYLENE	5.0 ug/l	0.5 ug/l			ND	ND						
O-XYLENE	5.0 ug/l	0.5 ug/l			ND	ND						
STYRENE	5.0 ug/l	0.5 ug/l			ND	ND						
ISOPROPYLBENZENE (CUMENE)	5.0 ug/l	0.5 ug/l			ND	ND						
N-PROPYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
1,3,5-TRIMETHYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						

CONT. - CONTAMINANT
ND - NOT DETECTED
* - MECHANICAL FAILURE OF TREATMENT SYSTEM ON JUNE 26, 2007
WELL NOS. 12, 14, 15 & 16 - OUT OF SERVICE IN 2022
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163 MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163 AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [24] MAX. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [24] AVG. RESULT (Raw/Treat)	WELL NO. 14 N-08339 MAX. RESULT (Raw/Treat)	WELL NO. 14 N-08339 AVG. RESULT (Raw/Treat)	WELL NO. 15 N-10033 MAX. RESULT (Raw/Treat)	WELL NO. 15 N-10033 AVG. RESULT (Raw/Treat)	WELL NO. 16 N-10034 MAX. RESULT (Raw/Treat)	WELL NO. 16 N-10034 AVG. RESULT (Raw/Treat)
VOLATILE ORGANICS (CONT'D.)												
TERT-BUTYLBENZENE	5.0 ug/l	0.5 ug/l	**OUT OF**	**SERVICE**	ND	ND	**OUT OF**	**SERVICE**	**OUT OF**	**SERVICE**	**OUT OF**	**SERVICE**
1,2,4-TRIMETHYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
SEC-BUTYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
4-ISOPROPYLTOLUENE (P-CUMENE)	5.0 ug/l	0.5 ug/l			ND	ND						
N-BUTYLBENZENE	5.0 ug/l	0.5 ug/l			ND	ND						
METHYL TERT.BUTYL ETHER (MTBE)	10.0 ug/l	0.5 ug/l			ND	ND						

CONT. - CONTAMINANT
ND - NOT DETECTED
* - MECHANICAL FAILURE OF TREATMENT SYSTEM ON JUNE 26, 2007
WELL NOS. 12, 14, 15 & 16 - OUT OF SERVICE IN 2022
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR