

# 2022 drinking water quality report

GARDEN CITY PARK WATER DISTRICT  
PUBLIC WATER SUPPLY IDENTIFICATION NO. 2902825

## ANNUAL WATER SUPPLY REPORT

MAY 2023

The Garden City Park Water District is pleased to present this year's Water Quality Report. The report is required to be delivered to all residents of our District in compliance with Federal and State regulations. This report is designed to inform you about the quality of water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We also want you to understand the efforts we make to continually improve the water treatment process and protect our water supply. The Board of Water Commissioners and the District employees are committed to ensuring that you and your family receive the highest quality water.

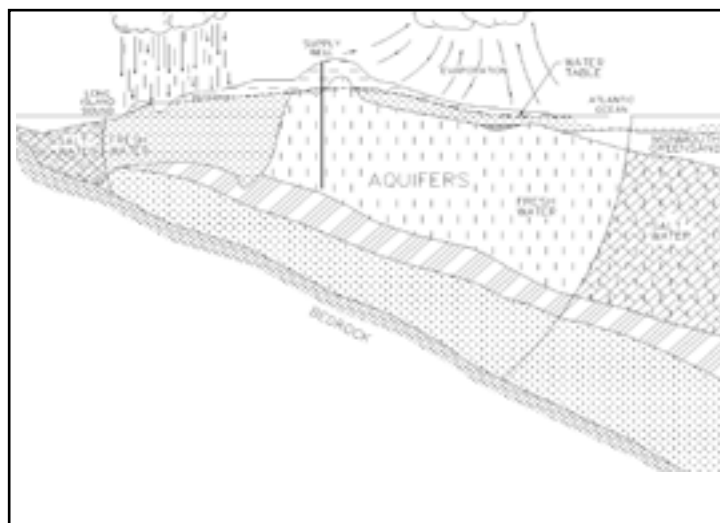
## SOURCE OF OUR WATER

The source of water for the District is groundwater pumped from the six (6) wells located throughout the community that are drilled into the Magothy aquifer 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.

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 and the FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

The population served by the Garden City Park Water District during 2022 was 18,000. The total amount of water withdrawn from the aquifer in 2022 was 1.114 billion gallons, of which approximately 92 percent was billed directly to consumers. The remaining 8 percent water loss can be attributed to fire fighting, water main flushing and system leaks.



THE LONG ISLAND AQUIFER SYSTEM

## WATER TREATMENT

Prior to distribution to the consumer, the Garden City Park Water District provides treatment at all of its wells to improve the quality of the water pumped. The pH of the pumped water is adjusted upward to reduce the corrosive action between the water and water mains and in-house plumbing by the addition of sodium hydroxide. An air stripping tower at Plant No. 6 is utilized to treat potable water from Well No. 6 for the removal of volatile organic compounds. Similar treatment facilities are also utilized at Plant Nos. 7/10, 8 and 9. A granular activated carbon filter is used at Well No. 6 and 11 for the removal of volatile organic compounds. The District has constructed a GAC treatment system to remove PFOA at Well Nos. 6, 7, 9, 10 and 11. Well No. 9 is equipped with a nitrate removal system. The District has also constructed an AOP treatment system to remove 1,4-Dioxane at Well Nos. 6 and 9. The District is also mandated to chlorinate the water supply with small amounts of chlorine. The chlorine disinfects the water to protect against the possibility of bacteria in the water supply.

## COST OF WATER

### QUARTERLY WATER RATES

The District utilizes a step billing schedule as shown in the table. The average consumer is being billed at \$2.50 per 1,000 gallons of water used.

Consumption (gallons)	Charges
Residential Rate - Up to 10,000	\$18.00
Residential Rate - Over 10,000	\$2.50/thousand gallons
Commercial Rate - Up to 20,000	\$60.00
Commercial Rate - Over 20,000	\$3.00/thousand gallons

# WATER QUALITY

In accordance with State regulations, the Garden City Park Water District 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 and synthetic organic contaminants. As listed in this newsletter, over 135 separate parameters are tested for in each of our wells numerous times per year. The table presented on page 3 depicts which parameters or contaminants that were detected in the water supply. 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 effects.

During 2020, the District collected 31 samples for lead and copper testing. 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. Garden City Park Water District 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 pro-

vider 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).

Water from the Garden City Park Water District has a slightly elevated nitrate level but is well below the maximum contaminant level of 10.0 parts per million. Nitrate in drinking water at levels above 10 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. 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 for advice from your health care provider.

## WATER CONSERVATION MEASURES

The underground water system of Long Island has more than enough water for present water demands. However, saving water will ensure that our future generations will always have a safe and abundant water supply.

In 2021, the Garden City Park Water District continued to implement a water conservation program in order to minimize any unnecessary water use. The pumpage for 2022 was 1.04 percent more than in 2021. This increase can most likely be attributed to the hotter and drier weather in the summer of 2022. The conservation program has been proven to be effective and will remain in effect in 2023.

Consumers should be aware that Nassau County Lawn Sprinkler Regulations of Odd-Even watering days are still in effect. In addition, the District feels it is necessary to impose increased water restrictions which prohibit irrigation between the hours of 6 a.m. and 6 p.m. 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). The District distributes "water conservation" rulers that include conservation tips and a leak estimator. We also distribute "toilet dye packs" that help detect silent toilet bowl leaks. For additional water conservation measures, please refer to the Water District's annual newsletter.

## CONTACTS FOR ADDITIONAL INFORMATION

We are pleased to report that our drinking water is safe and meets all Federal and State requirements. If you have any questions about this report or the Garden City Park Water District, please contact Water District Superintendent Michael Levy at (516) 746-3194 or the Nassau County Department of Health at (516) 227-9692. We want our valued customers to be informed about our water system. If you want to learn more, please attend any of our regularly scheduled meetings. They are normally held on the second Wednesday of each month at 5:00 p.m. at the Water District office.

The Garden City Park Water District routinely monitors for different parameters and possible 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 impurities. It's important to remember that the presence of these impurities 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.

The Garden City Park Water District 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:

Selenium	Alachlor	Dioxin	Dibromomethane
Cadmium	Simazine	Tert-Butylbenzene	Trans-1,3-Dichloropropene
Thalium	Atrazine	1,3,5-Trimethylbenzene	cis-1,3-Dichloropropene
Mercury	Metolachlor	N-Propylbenzene	1,1,2-Trichloroethane
Langlier Saturation Index	Metribuzin	Isopropylbenzene (Cumene)	1,3-Dichloropropane
Manganese	Butachlor	Styrene	Chlorobenzene
Silver	2,4-D	O-Xylene	1,1,1,2-Tetrachloroethane
Color	2,4,5-TP (Silvex)	Chloroform	Bromobenzene
Turbidity	Dinoseb	Bromodichloromethane	1,1,2,2-Tetrachloroethane
Odor	Dalapon	M,P-Xylene	1,2,3-Trichloropropane
Arsenic	Picloram	Ethylbenzene	2-Chlorotoluene
Chloride	Dicamba	N-Butylbenzene	4-Chlorotoluene
Zinc	Pentachlorophenol	Dichlorodifluoromethane	1,2-Dichlorobenzene
Nitrite	Hexachlorocyclopentadiene	Chloromethane	1,3-Dichlorobenzene
Total Coliform	bis(2-Ethylhexyl)adipate	Vinyl Chloride	1,4-Dichlorobenzene
MTBE	bis(2-Ethylhexyl)phthalate	Bromomethane	1,24-Trichlorobenzene
Detergents (MBAS)	Hexachlorobenzene	Chloroethane	Hexachlorobutadiene
Free Cyanide	Benzo(A)Pyrene	Trichlorofluoromethane	1,2,3-Trichlorobenzene
Antimony	Aldicarb Sulfone	Chlorodifluoromethane	Benzene
Beryllium	Aldicarb sulfoxide	1,1-Dichloroethene	Toluene
Perchlorate	Aldicarb	Methylene Chloride	4-Isopropyltoluene (P-Cumene)
Lindane	Total Aldicarbs	Trans-1,2-Dichloroethene	Tetrachloroethene
Heptachlor	Oxamyl	1,1-Dichloroethane	Iron
Aldrin	Methomyl	cis-1,2-Dichloroethene	1,1-Dichloroethene
Heptachloro Epoxide	3-Hydroxycarbofuran	2,2-Dichloropropane	MTBE
Dieldrin	Carbofuran	Bromochloromethane	Ammonia
Endrin	Carbaryl	1,1,1-Trichloroethane	Perfluorobutanesulfonic Acid
Methoxychlor	Glyphosate	Carbon Tetrachloride	Perfluorononanoic Acid (PFNA)
Toxaphene	Diquat	1,1-Dichloropropene	
Chlordane	Endothall	1,2-Dichloroethane	
Total PCBs	1,2-Dibromoethane (EDB)	Trichloroethene	
Propachlor	1,2-Dibromo-3-Chl.Propane	1,2-Dichloropropane	
E.coli	Sec-Butylbenzene	1,2,4-Trimethylbenzene	

## INFORMATION FOR NON-ENGLISH SPEAKING RESIDENTS

### Spanish

*Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.*

# 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
<b>Inorganic Contaminants</b>							
Copper	No	June/July/ August 2020	0.0064 - 0.094 0.058 <sup>(1)</sup>	mg/l	1.3	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	No	June/July/ August 2020	ND - 2.2 ND <sup>(1)</sup>	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits
Barium	No	01/20/22	0.017 - 0.023	mg/l	2.0	MCL - 2.0	Naturally occurring
Selenium	No	10/20/22	ND - 3.4	ug/l	50	MCL = 50	Industrial discharge
Iron	No	10/20/22	ND - 26.0	ug/l	n/a	MCL = 300	Naturally occurring
Sodium	No	03/01/22	20.8 - 25.2	mg/l	n/a	No MCL <sup>(2)</sup>	Naturally occurring
Zinc	No	01/31/22	ND - 0.028	mg/l	n/a	MCL = 5	Naturally occurring
Nickel	No	03/01/22	0.00079 - 0.00067	ug/l	n/a	No MCL	Naturally occurring
Magnesium	No	03/01/22	8.6 - 8.9	ug/l	n/a	No MCL	Naturally occurring
Chloride	No	03/01/22	40.8 - 50.0	mg/l	n/a	MCL = 250	Naturally occurring
Calcium	No	01/20/22	15.2 - 18.3	mg/l	n/a	No MCL	Naturally occurring
Nitrate	No	08/29/22	2.6 - 4.6	mg/l	10	MCL = 10	Runoff from fertilizer and leaching from septic tanks and sewage
Sulfate	No	03/01/22	17.6 - 26.5	mg/l	n/a	MCL = 250	Naturally occurring
<b>Radionuclides</b>							
Gross Alpha	No	06/03/20	1.78 - 3.4	pCi/L	0	MCL = 15	Naturally occurring
Gross Beta	No	11/30/20	1.05 - 2.79	pCi/L	0	MCL = 50	Naturally occurring
Radium 226 & 228	No	11/30/20	1.35 - 2.9	pCi/L	0	MCL = 5 <sup>(3)</sup>	Naturally occurring
Uranium	No	06/03/20	0.89 - 1.7	ug/l	n/a	MCL = 30	Naturally occurring
<b>Disinfection By-Products</b>							
Bromodichloromethane	No	10/20/22	ND - 1.0	ug/l	n/a	MCL = 80	Disinfection By-Products
Dibromochloromethane	No	10/20/22	ND - 3.8	ug/l	n/a	MCL = 80	Disinfection By-Products
Bromoform	No	10/20/22	ND - 6.0	ug/l	n/a	MCL = 80	Disinfection By-Products
Total Trihalomethanes (TTHMs)	No	01/20/22	ND - 10.8	ug/l	n/a	MCL = 80	Disinfection By-Products
<b>Disinfectants</b>							
Chlorine Residual	No	Continuous	0.21 - 1.43	mg/l	n/a	MRDL = 4.0	Measure of Disinfectant
<b>Physical Characteristics</b>							
pH	No	Continuous	6.3 - 7.7	pH units	n/a	7.5 - 8.5 <sup>(4)</sup>	Measure of acidity or alkalinity
Calcium Hardness	No	01/20/22	38.0 - 45.7	mg/l	n/a	No MCL	Naturally occurring
Total Hardness	No	01/20/22	73.9 - 87.3	mg/l	n/a	No MCL	Naturally occurring
Total Alkalinity	No	01/20/22	20.5 - 63.2	mg/l	n/a	No MCL	Naturally occurring
Total Dissolved Solids (TDS)	No	01/20/22	146.0 - 207.0	mg/l	n/a	No MCL	Naturally occurring
<b>UCMR3</b>							
Perfluoroheptanoic Acid	No	04/27/22	ND - 2.9	ng/l	0	MCL = 50,000	Industrial discharge
Perfluorohexanesulfonic Acid	No	04/27/22	ND - 4.0	ng/l	0	MCL = 50,000	Industrial discharge
Perfluorobutanoic Acid (PFBA)	No	06/08/22	ND - 2.6	ng/l	0	No MCL	Industrial discharge

# 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
<b>Synthetic Organic Contaminants (SOCs)</b>							
1,4-Dioxane	No	04/27/22	ND - 0.64	ug/l	n/a	HA = 35 <sup>(5)</sup> MCL = 1.0	Industrial discharge
Perfluorooctanoic Acid (PFOA)	No	04/27/22	ND - 8.9	ng/l	0	HA = 70 <sup>(6)</sup> MCL = 10.0	Industrial discharge <sup>(7)</sup>
Perfluorooctanesulfonic Acid (PFOS)	No	04/27/22	ND - 4.7	ng/l	0	HA = 70 <sup>(6)</sup> MCL = 10.0	Industrial discharge <sup>(7)</sup>
Heptachlor Epoxide	No	11/21/22	ND - 0.021	ng/l	0	MCL = 200	Pesticides
<b>Unregulated Contaminant Monitoring Rule - Phase 4 (UCMR4)<sup>(4)</sup></b>							
Manganese	No	01/17/19	0.62 - 30.8	ug/l	n/a	MCL = 300 <sup>(8)</sup>	Naturally occurring
HAA5	No	10/11/22	ND - 2.2	ug/l	n/a	MCL = 60	Disinfection By-Products
HAA6Br	No	07/30/19	0.33 - 2.06	ug/l	n/a	No MCL	Disinfection By-Products
HAA9	No	07/30/19	0.33 - 2.06	ug/l	n/a	No MCL	Disinfection By-Products
Bromide	No	03/01/22	ND - 0.14	ug/l	n/a	No MCL	Naturally occurring
Chlorate	No	04/19/22	ND - 43.1	ug/l	n/a	No MCL	Naturally occurring
Hexavalent Chromium	No	04/19/22	ND - 3.4	ug/l	n/a	No MCL	Natural deposits and 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.

**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.

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

**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 (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.

<sup>(1)</sup> - During 2020, we collected and analyzed 31 samples for lead and copper. The action levels for both lead and copper were not exceeded at any site tested. 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. In our sampling program, the 90th percentile value is the 4th highest result.

<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 226 and 228 is a combined total Radium = 5 pCi/L.

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

<sup>(5)</sup> - 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> - 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) maximum contaminant level (MCL) is 10 ppt for PFOA and 10 ppt for PFOS as of August 26, 2020.

<sup>(7)</sup> - PFOA/PFOS 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. Many of these uses have been phased out by its primary U.S. manufacturer; however, there are still some ongoing uses.

<sup>(8)</sup> - If iron and manganese are present, the total concentration of both should not exceed 500 ug/l.

## 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. Please refer to section "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 six (6) wells. The source water assessment has rated five (5) of the wells as having a very high susceptibility to industrial solvents and one (1) well with a high susceptibility to nitrates. The elevated susceptibility to industrial solvents and nitrates is due primarily to point sources of contamination related to commercial/industrial facilities and related activities in the assessment area. In addition, the high susceptibility to nitrates is also attributable to unsewered residential land use and related to practices in 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 District Office.

## MCL DEFERRAL

In January 2021, the District received a deferral from the new Maximum Contaminant Level (MCL) established by the New York State Department of Health for 1,4-Dioxane, PFOA and PFOS. This deferral delays the 1.0 ppb MCL for 1,4-Dioxane and 10.0 ppt MCL for PFOA and PFOS up until June 25, 2022, to allow the District time to construct treatment facilities. For more information on the deferral, please visit <https://www.gcpwater.org/Deferral.html>.

### A PUBLICATION OF THE GARDEN CITY PARK WATER/FIRE DISTRICT

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Copies of the Supplemental Data Package, which includes the water quality data for each of our supply wells utilized during 2022, are available at the Garden City Park Water District office which is located at 333 Marcus Avenue, Garden City Park, New York and the local Public Library.

We, at the Garden City Park Water District, 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 supply which will improve our way of life and our children's future.

GARDEN CITY PARK WATER DISTRICT  
2022 WATER QUALITY DATA

PARAMETERS (mg/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 6 N-5603 <sup>(2)</sup>		WELL NO. 7 N-6945 <sup>(2)</sup>		WELL NO. 8 N-7512		WELL NO. 9 N-8409 <sup>(2)</sup>		WELL NO. 10 N-9768 <sup>(1)</sup>		WELL NO. 11 N-10612 <sup>(2)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT	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	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
BARIUM	2.0 mg/l	0.2 mg/l	0.02/0.02	0.02/0.02	0.029/0.023	0.029/0.023			0.03	0.03	0.017	0.017	0.024	0.024
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	0.0088/ND	0.0088/ND	0.011/ND	0.011/ND			ND	ND	0.0061	0.0061	0.094	0.049
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	2.4	1.2
MERCURY	2.0 ug/l	0.2 ug/l	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND
LANGLIER SATURATION INDEX	None	None	-2.55/-1.54	-2.55/-1.54	-2.67/-0.9	-2.67/-0.9			-2.85	-2.73	-2.67	-2.67	-2.22	-2.22
SELENIUM	50 ug/l	5.0 ug/l	ND	ND	ND	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	25.0/25.2	25.0/25.2	24.9/38.8	24.9/38.8			29.9	29.4	22.4	22.4	21.9	21.4
ZINC	5.0 mg/l	0.02 mg/l	ND	ND	ND	ND			ND	ND	ND	ND	0.028	0.014
COLOR	15 Units	5 Units	ND	ND	ND	ND			ND	ND	5.0	5.0	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	ND	ND	ND	ND			0.04	0.02	ND	ND	ND	ND
MANGANESE	0.3 mg/l	0.01 mg/l	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND
AMMONIA	None	0.1 mg/l	0.55/ND	0.55/ND	ND	ND			ND	ND	ND	ND	ND	ND
NITRITE	1.0 mg/l	0.1 mg/l	0.13 <sup>(8)</sup> /ND	0.03/ND	ND	ND			ND/0.056 <sup>(26)</sup>	ND/0.002	ND	ND	ND	ND
NITRATE	10.0 mg/l	0.1 mg/l	4.1 <sup>(16)</sup> /4.6 <sup>(14)</sup>	3.7/4.0	3.8 <sup>(12)</sup> /4.4 <sup>(12)</sup>	3.4/3.8			6.3 <sup>(24)</sup> /5.9 <sup>(52)</sup>	5.6/3.9	4.4 <sup>(12)</sup>	3.9	3.9 <sup>(12)</sup> /4.0 <sup>(6)</sup>	3.3/3.6
CHLORIDE	250 mg/l	1.0 mg/l	49.8/50.0	49.8/50.0	48.2/47.3	48.2/17.3			62.8	62.8	40.8	40.8	51.5	51.4
TOTAL HARDNESS	None	1.0 mg/l	76.2/78.4	76.2/78.4	80.1/87.3	80.1/87.3			95.7	94.6	73.9	73.9	110.0	103.8
TOTAL ALKALINITY	None	0 mg/l	32.5/31.1	32.5/31.1	24.9/63.2	24.9/63.2			21.7	21.1	28.6	28.6	6.0	3.0
pH	None	None	5.8/7.0	5.8/7.0	5.4/6.5	5.4/6.5			5.8	5.7	4.6	4.6	6.1	6.1
TOTAL DISSOLVED SOLIDS	None	5.0 mg/l	171.0/193.0	171.0/193.0	183.0/207.0	183.0/207.0			216.0	207.0	146.0	146.0	231.0	216.0
CALCIUM HARDNESS	None	1.0 mg/l	40.2/41.7	40.2/41.7	41.5/45.7	41.5/45.7			59.9	59.9	38.0	38.0	54.9	51.6
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	26.7/26.5	26.7/26.5	24.3/23.2	24.3/23.2			33.9	33.8	17.6	17.6	34.3	34.2
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	16.1/16.7	16.1/16.7	16.6/18.3	16.6/18.3			24.0	24.0	15.2	15.2	22.0	20.7
MAGNESIUM	None	1.0 mg/l	8.7/8.9	8.7/8.9	9.4/10.1	9.4/10.1			8.7	8.4	8.7	8.7	13.4	12.7
NICKEL	0.1 mg/l	0.0005 mg/l	0.00079/0.00067	0.00079/0.00067	ND/0.00066	ND/0.00066			0.00082	0.00081	0.0017	0.0017	0.0017	0.0012
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

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

WELL NO. 8 WAS OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

**GARDEN CITY PARK WATER DISTRICT  
2022 WATER QUALITY DATA**

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 6 N-5603 <sup>(1)</sup>		WELL NO. 7 N-6945 <sup>(1)</sup>		WELL NO. 8 N-7512 <sup>(1)</sup>		WELL NO. 9 N-8409 <sup>(1)</sup>		WELL NO. 10 N-9768 <sup>(1)</sup>		WELL NO. 11 N-10612 <sup>(1)</sup>	
			MAX. RESULT	AVG. RESULT	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	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
HEPTACHLOR	0.4 ug/l	0.025 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
ALDRIN	5.0 ug/l	0.025 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
HEPTACHLOR EPOXIDE	0.2 ug/l	0.025 ug/l	0.021	0.021	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
DIELDRIN	2.0 ug/l	0.05 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
ENDRIN	2.0 ug/l	0.05 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
METHOXYCHLOR	40.0 ug/l	0.25 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
TOXAPHENE	3.0 ug/l	2.5 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
CHLORDANE	2.0 ug/l	0.5 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
TOTAL PCBs	0.5 ug/l	0.5 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
PROPACHLOR	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
ALACHLOR	2.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
SIMAZINE	4.0 ug/l	0.5 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
ATRAZINE	3.0 ug/l	0.5 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
METOLACHLOR	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
METRIBUZIN	50.0 ug/l	0.5 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
BUTACHLOR	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND

CONT. - CONTAMINANT

ND - NOT DETECTED

WELL NO. 8 WAS OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

GARDEN CITY PARK WATER DISTRICT  
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 6 N-5603 <sup>(1)</sup>		WELL NO. 7 N-6945 <sup>(1)</sup>		WELL NO. 8 N-7512 <sup>(1)</sup>		WELL NO. 9 N-8409 <sup>(1)</sup>		WELL NO. 10 N-9768 <sup>(1)</sup>		WELL NO. 11 N-10612 <sup>(1)</sup>	
			MAX. RESULT	AVG. RESULT	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>														
<b>(CONT'D.)</b>														
1,4 DIOXANE	1.0 ug/l	0.7 ug/l	0.66 <sup>(11)</sup> /ND	0.59/ND	0.14 <sup>(12)</sup>	0.13	OUT OF SERVICE		0.94 <sup>(10)</sup> /0.64 <sup>(12)</sup>	0.82/0.053	0.19 <sup>(12)</sup>	0.17	0.22 <sup>(11)</sup>	0.19
2,4-D	50.0 ug/l	0.25 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
2,4,5-TP (SILVEX)	10.0 ug/l	0.13 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
DINOSEB	7.0 ug/l	0.2 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
DALAPON	200 ug/l	0.7 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
PICLORAM	500 ug/l	0.6 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
DICAMBA	50.0 ug/l	0.08 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	1.0 ug/l	0.2 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	50.0 ug/l	0.64 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
bis(2-ETHYLHEXYL)ADIPATE	400 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
bis(2-ETHYLHEXYL)PHTHALATE	6.0 ug/l	3.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	1.0 ug/l	0.25 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
BENZO(A)PYRENE	0.2 ug/l	0.1 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
ALDICARB SULFONE	2.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
ALDICARBSULFOXIDE	4.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
ALDICARB	3.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
TOTAL ALDICARBS	7.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
OXAMYL	200 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
METHOMYL	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
3-HYDROXYCARBOFURAN	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
CARBOFURAN	40.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
CARBARYL	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
GLYPHOSATE	700 ug/l	10.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
DIQUAT	20 ug/l	1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
ENDOTHALL	100 ug/l	50.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
1,2-DIBROMOETHANE (EDB)	0.05 ug/l	0.02 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
1,2-DIBROMO-3-CHL.PROPANE	0.2 ug/l	0.02 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND
DIOXIN	30 Pg/L	5.0 Pg/L	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND	ND	ND

CONT. - CONTAMINANT

ND - NOT DETECTED

Pg/L - PICOGRAMS PER LITER

WELL NO. 8 WAS OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR



GARDEN CITY PARK WATER DISTRICT  
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 6 N-5603 <sup>(22)</sup>		WELL NO. 7 N-6945 <sup>(24)</sup>		WELL NO. 8 N-7512		WELL NO. 9 N-8409 <sup>(22)</sup>		WELL NO. 10 N-9768 <sup>(24)</sup>		WELL NO. 11 N-10612 <sup>(22)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT	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	OUT OF SERVICE	OUT OF SERVICE	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
BROMOACETIC ACID	---	< 1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	OUT OF SERVICE	OUT OF SERVICE	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
DICHLOROACETIC ACID	---	< 1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	OUT OF SERVICE	OUT OF SERVICE	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
TRICHLOROACETIC ACID	---	< 1.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	OUT OF SERVICE	OUT OF SERVICE	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
DIBROMOACETIC ACID	---	< 2.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	OUT OF SERVICE	OUT OF SERVICE	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
TOTAL HALOACETIC ACID	60 ug/l	< 2.0 ug/l	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	OUT OF SERVICE	OUT OF SERVICE	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
CHLOROFORM	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND	OUT OF SERVICE	OUT OF SERVICE	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND	OUT OF SERVICE	OUT OF SERVICE	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND	OUT OF SERVICE	OUT OF SERVICE	ND	ND	ND	ND	ND	ND
BROMOFORM	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND	OUT OF SERVICE	OUT OF SERVICE	ND	ND	ND	ND	ND	ND
TOTAL TRIHALOMETHANES	80 ug/l	< 1.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE	OUT OF SERVICE	ND	ND	ND	ND	ND	ND
<b>RADIONUCLIDES</b>														
GROSS ALPHA	15 pCi/L	< 3 pCi/L	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	OUT OF SERVICE	OUT OF SERVICE	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	OUT OF SERVICE	OUT OF SERVICE	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	OUT OF SERVICE	OUT OF SERVICE	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	OUT OF SERVICE	OUT OF SERVICE	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED

CONT. - CONTAMINANT

ND - NOT DETECTED

pCi/L - pico Curies per Liter

WELL NO. 8 WAS OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

GARDEN CITY PARK WATER DISTRICT  
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 6 N-5603		WELL NO. 7 N-6945		WELL NO. 8 N-7512		WELL NO. 9 N-8409		WELL NO. 10 N-9768		WELL NO. 11 N-10612	
			MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT
BROMIDE			NOT TESTED		NOT TESTED		OUT OF SERVICE				NOT TESTED		NOT TESTED	
<b>VOLATILES</b>														
1,1-DICHLOROETHANE	5.0 ug/l	0.03 ug/l	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
1,2,3-TRICHLORPROPANE	5.0 ug/l	0.03 ug/l	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
1,3-BUTADIENE	50 ug/l	0.1 ug/l	ND	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	ND
BROMOMETHANE	5.0 ug/l	0.2 ug/l	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
CHLORODIFLUOROMETHANE	5.0 ug/l	0.08 ug/l	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	5.0 ug/l	0.2 ug/l	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
<b>PERFLUORO-CHEMICALS</b>														
PERFLUOROBUTANESULFONIC ACID	50,000 ng/l	900 ng/l	1.9 <sup>(11)</sup> /ND	0.17/ND	ND	ND		ND	ND	ND	ND	ND	2.0 <sup>(11)</sup> /ND	0.18/ND
PERFLUOROHEPTANOIC ACID	50,000 ng/l	10 ng/l	5.7 <sup>(11)</sup> /ND	3.9/ND	4.5 <sup>(11)</sup> /ND	3.0/ND		4.8 <sup>(10)</sup> /2.9 <sup>(12)</sup>	3.5/0.24	2.2 <sup>(11)</sup> /ND	0.2/ND	5.9 <sup>(11)</sup> /ND	4.6/ND	
PERFLUOROHEXANESULFONIC ACID	50,000 ng/l	30 ng/l	8.6 <sup>(11)</sup> /ND	5.6/ND	11.1 <sup>(11)</sup> /ND	8.2/ND		5.6 <sup>(10)</sup> /4.0 <sup>(12)</sup>	4.4/0.33	4.8 <sup>(11)</sup> /ND	3.8/ND	22.4 <sup>(11)</sup> /ND	17.3/ND	
PERFLUORONONANOIC ACID	50,000 ng/l	20 ng/l	11.5 <sup>(11)</sup> /ND	8.0/ND	7.1 <sup>(11)</sup> /ND	5.8/ND		2.7 <sup>(10)</sup> /ND	2.0/ND	5.2 <sup>(11)</sup> /ND	4.2/ND	28.5 <sup>(11)</sup> /ND	22.6/ND	
PERFLUORO-OCTANESULFONIC ACID	10 ng/l	40 ng/l	***16.7 <sup>(11)</sup> /ND	***12.1/ND	***20.9 <sup>(11)</sup> /ND	***16.8/ND		6.9 <sup>(10)</sup> /4.7 <sup>(12)</sup>	5.3/0.39	8.2 <sup>(11)</sup> /ND	6.3/ND	***93.3 <sup>(11)</sup> /ND	***71.3/ND	
PERFLUORO-OCTANOIC ACID	10 ng/l	20 ng/l	***29.2 <sup>(11)</sup> /4.4 <sup>(11)</sup>	***21.3/1.2	***11.9 <sup>(11)</sup> /ND	***9.8/ND		***12.9 <sup>(10)</sup> /***8.9 <sup>(12)</sup>	***10.4/0.74	6.9 <sup>(11)</sup> /ND	5.6/ND	***12.1 <sup>(11)</sup> /ND	9.7/ND	
PERFLUOROBUTANOIC ACID			ND	ND	ND/2.6 <sup>(1)</sup>	ND/2.6		ND	ND	ND/2.6 <sup>(1)</sup>	ND/2.6	ND	ND	
PERFLUOROPENTANOIC ACID			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	
PERFLUOROPENTANESULFONIC ACID			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	
PERFLUORO(2-ETHOXYETHANE) SULFONIC ACID			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	
PERFLUORO-1-HEPTANSULFONIC ACID			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	
PERFLUORO-4-METHOXYBUTANOIC ACID			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	
PERFLUORO-3-METHOXYPROPANOIC ACID			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	
11CI-PF3OUdS			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
4:2 FTS			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
6:2 FTS			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
8:2 FTS			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
9CI-PF3ONS			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
ADONA			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
HFPO-DA (GEN-X)			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
NFDHA			ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
<b>METALS</b>														
CHROMIUM	100 ug/l	0.2 ug/l	ND	ND	ND	ND		NOT TESTED		ND	ND	ND	ND	ND
COBALT		1.0 ug/l	NOT TESTED		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		NOT TESTED
STRONTIUM		0.3 ug/l	NOT TESTED		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		NOT TESTED
HEXAVALENT CHROMIUM CHLORATE		0.03 ug/l 20 ug/l	3.4 <sup>(5)</sup> ND/43.1 <sup>(4)</sup>	1.5 ND/10.8	NOT TESTED	NOT TESTED		ND/0.69 <sup>(3)</sup> ND/26.3 <sup>(3)</sup>	ND/0.41 ND/15.9	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED
<b>HORMONES</b>														
17-ALPHA-ETHINYLESTRADIOL	50 ug/l	0.0004 ug/l	NOT TESTED		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		NOT TESTED
4-ANDROSTENE-3,17-DIONE	50 ug/l	0.0003 ug/l	NOT TESTED		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		NOT TESTED
ESTRIOL	50 ug/l	0.0008 ug/l	NOT TESTED		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		NOT TESTED
TESTOSTERONE	50 ug/l	0.0001 ug/l	NOT TESTED		NOT TESTED			NOT TESTED		NOT TESTED		NOT TESTED		NOT TESTED

CONT. - CONTAMINANT

ND - NOT DETECTED

WELL NO. 8 WAS OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

GARDEN CITY PARK WATER DISTRICT  
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 6 N-5603		WELL NO. 7 N-6945		WELL NO. 8 N-7512		WELL NO. 9 N-8409		WELL NO. 10 N-9768		WELL NO. 11 N-10612	
			MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT
<u>UCMR4</u>														
GERMANIUM		0.3 ug/l	NOT	TESTED	NOT	TESTED	OUT OF	SERVICE	NOT	TESTED	NOT	TESTED	NOT	TESTED
MANGANESE		0.04 mg/l	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND
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

WELL NO. 8 WAS OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

GARDEN CITY PARK WATER DISTRICT  
2022 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 6 N-5603 <sup>(22)</sup>		WELL NO. 7 N-6945 <sup>(24)</sup>		WELL NO. 8 N-7512		WELL NO. 9 N-8409 <sup>(22)</sup>		WELL NO. 10 N-9768 <sup>(24)</sup>		WELL NO. 11 N-10612 <sup>(22)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT	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	OUT OF SERVICE		2.4/ND	1.8/ND	ND	ND	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
CHLOROETHANE	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	ND	ND	ND	ND
1,1-DICHLOROETHENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND			2.4/ND	1.9/ND	ND	ND	ND	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	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND
cis-1,2-DICHLOROETHENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND			0.65/ND	0.06/ND	ND	ND	ND	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			ND	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	1.9/ND	1.8/ND	ND	ND			***5.6/ND	4.5/ND	ND	ND	1.5/ND	1.2/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
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	***96.0/ND	***77.0/ND	1.5/ND	0.75/ND			***109.0/ND	***86.6/ND	3.8/ND	3.2/ND	***13.9/ND	***11.3/ND

CONT. - CONTAMINANT

ND - NOT DETECTED

\*\*\* - EXCEEDS NEW YORK STATE/USEPA LIMITS FOR POTABLE WATER. (NOTE: THIS IS RAW WATER TEST RESULTS BEFORE TREATMENT)

WELL NO. 8 WAS OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

GARDEN CITY PARK WATER DISTRICT  
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 6 N-5603 <sup>(22)</sup>		WELL NO. 7 N-6945 <sup>(24)</sup>		WELL NO. 8 N-7512		WELL NO. 9 N-8409 <sup>(22)</sup>		WELL NO. 10 N-9768 <sup>(24)</sup>		WELL NO. 11 N-10612 <sup>(22)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT	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	OUT OF SERVICE		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
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	2.6/ND	0.24/ND	ND	ND			7.9/ND	0.72/ND	ND	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

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

WELL NO. 8 WAS OUT OF SERVICE IN 2021

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

GARDEN CITY PARK WATER DISTRICT  
2022 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 6 N-5603 <sup>(22)</sup>		WELL NO. 7 N-6945 <sup>(24)</sup>		WELL NO. 8 N-7512		WELL NO. 9 N-8409 <sup>(22)</sup>		WELL NO. 10 N-9768 <sup>(24)</sup>		WELL NO. 11 N-10612 <sup>(22)</sup>	
			MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT (Raw/Treat)	AVG. RESULT (Raw/Treat)	MAX. RESULT	AVG. RESULT	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	OUT OF SERVICE		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	1.0/ND	0.8/ND	ND	ND			ND	ND	ND	ND	1.9/1.6	1.3/0.64

CONT. - CONTAMINANT

ND - NOT DETECTED

WELL NO. 8 WAS OUT OF SERVICE IN 2021

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