2018 drinking water quality report

INC. VILLAGE OF GARDEN CITY

PUBLIC WATER SUPPLY IDENTIFICATION NO. 2902824

ANNUAL WATER SUPPLY REPORT **MAY 2019**

The Village of Garden City is pleased to present to you the 2018 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.

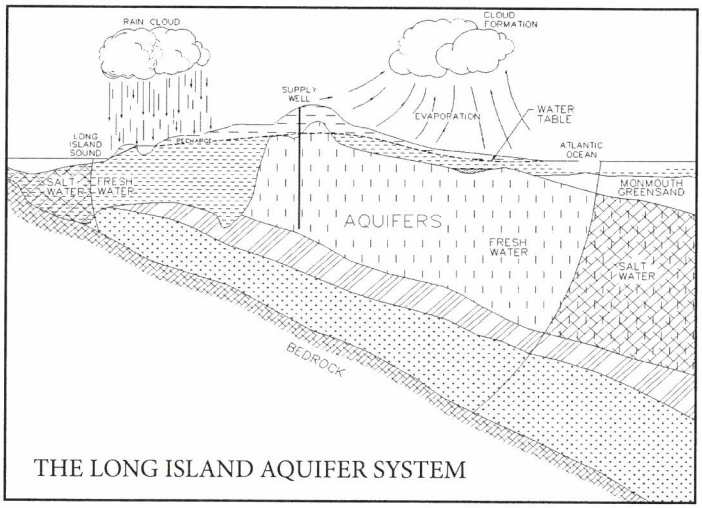
SOURCE OF OUR WATER

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 2018 was 22,371. The total amount of water withdrawn from the aquifer in 2018 was 1.605 billion gallons, of which approximately 77.4 percent was billed directly to consumers.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 sodium hydroxide. Air stripping treatment units are utilized at Well Nos. 8, 9, 10, 11, 12, 13 and 14 for the removal of volatile organic compounds. A granular activated carbon filter system has been installed at Well Nos. 7, 15 and 16 for the removal of volatile organic compounds. An iron removal treatment system is also utilized for Well Nos. 15 and 16. The treatment system removes almost all of the iron from Well Nos. 15 and 16. The Village also adds small amounts of calcium hypochlorite (chlorine) as a disinfecting agent and to prevent the growth of bacteria in the distribution system.

COST OF WATER

The Village utilizes the following step billing schedule with the average consumer being billed at $3.17 per 1,000 gallons.

QUARTERLY WATER RATES

Consumption (cubic feet)	Charges
Up to 2,000	$47.40 minimum
2,001 - 6,000	$23.70/1,000 cubic feet
Over 6,000	$35.80/1,000 cubic feet

(1 cubic foot = 7.48 gallons)

NEW YORK STATE MANDATORY HEALTH ADVISORY

During 2017, the Village collected 30 samples for lead and copper. The next round of samples will occur in 2020. If present, elevated levels of lead can cause serious health problems, especially for pregnant women, infants, and young children. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. The Inc. Village of Garden City is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at http://www.epa.gov/safewater/lead.

Some people may be more vulnerable to disease causing microorganisms or pathogens in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidum, Giardia and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

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. Joseph DiFrancisco, Superintendent of Public Works at (516) 465-4001 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 8:00 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 and synthetic organic contaminants. Over 130 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 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.

CAPITAL IMPROVEMENTS

Through projects approved as part of the Village's 5-Year Capital Plan we continue to make strategic investments in the maintenance of and upgrades to the water distribution and supply infrastructure. These projects cover a wide range of activities both above and below the ground including the replacement of water mains, electrical controls, emergency generators, enhanced filtration, and modernized SCADA and security systems at our well sites. The Village has also begun construction of a new water tank. In addition, the Village has started preliminary planning and investigation on emerging contaminant treatment. The improvement and modernization of our water infrastructure will maintain and improve the delivery, quality and reliability of our water supply for decades to come.

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

Arsenic	Simazine	1,2-Dibromo-3-Chl.Propane (POC)	1,1,1,2-Tetrachloroethane (POC)
Cadmium	Atrazine	Dioxin	Bromobenzene (POC)
Chromium	Metolachlor	Chloroacetic Acid	1,1,2,2-Tetrachloroethane (POC)
Fluoride	Metribuzin	Bromoacetic Acid	1,2,3-Trichloropropane (POC)
Mercury	Butachlor	Dichloroacetic Acid	2-Chlorotoluene (POC)
Silver	2,4-D	Trichloroacetic Acid	4-Chlorotoluene (POC)
Color	2,4,5-TP (Silvex)	Dibromoacetic Acid	1,2-Dichlorobenzene (POC)
Turbidity	Dinoseb	Sec-Butylbenzene (POC)	1,3-Dichlorobenzene (POC)
Odor	Dalapon	Bromodichloromethane (POC)	1,4-Dichlorobenzene (POC)
MTBE	Picloram	N-Butylbenzene (POC)	1,24-Trichlorobenzene (POC)
Ammonia	Dicamba	Chloromethane (POC)	Hexachlorobutadiene (POC)
Nitrite	Pentachlorophenol	Vinyl Chloride	1,2,3-Trichlorobenzene (POC)
Detergents (MBAS)	Hexachlorocyclopentadiene (POC)	Bromomethane (POC)	Benzene (POC)
Free Cyanide	bis(2-Ethylhexyl)adipate	Chloroethane (POC)	Toluene (POC)
Antimony	bis(2-Ethylhexyl)phthalate	Chlorodifluoromethane (POC)	Ethylbenzene (POC)
Beryllium	Hexachlorobenzene	Methylene Chloride (POC)	M,P-Xylene (POC)
1,2-Dibromoethane	Benzo(A)Pyrene	Trans-1,2-Dichloroethene (POC)	O-Xylene (POC)
Lindane	Aldicarb Sulfone	2,2-Dichloropropane (POC)	Styrene (POC)
Heptachlor	Aldicarbsulfoxide	Bromochloromethane (POC)	Isopropylbenzene (Cumene)
Aldrin	Aldicarb	1,1,1-Trichloroethane (POC)	N-Propylbenzene (POC)
Heptachloro Epoxide	Total Aldicarbs	1,1-Dichloropropene (POC)	1,3,5-Trimethylbenzene (POC)
Dieldrin	Oxamyl	1,2-Dichloroethane (POC)	Tert-Butylbenzene (POC)
Endrin	Methomyl	1,2-Dichloropropane (POC)	1,2,4-Trimethylbenzene (POC)
Methoxychlor	3-Hydroxycarbofuran	Dibromomethane (POC)	4-Isopropyltoluene (P-Cumene) (POC)
Toxaphene	Carbofuran	Trans-1,3-Dichloropropene (POC)	Selenium
Chlordane	Carbaryl	cis-1,3-Dichloropropene (POC)	Thallium
Total PCBs	Glyphosate	1,1,2-Trichloroethane (POC)	
Propachlor	Diquat	1,3-Dichloropropane (POC)	
Alachlor	Endothall (POC)	Chlorobenzene (POC)	

2018 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	June - September 2017	0.0073 - 0.67 0.12[1]	mg/l	1.3	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	No	June - September 2017	ND - 139.0 4.7[1]	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits
Inorganic Contaminants							
Barium	No	10/24/18	0.0028 - 0.021	mg/l	2.0	MCL = 2.0	Naturally occurring
Sodium	No	09/14/18	12.6 - 53.3	mg/l	n/a	No MCL[2]	Naturally occurring
Iron	No	06/05/18	ND - 250	ug/l	n/a	MCL = 300	Naturally occurring
Manganese	No	06/05/18	ND - 140	ug/l	n/a	MCL = 300	Naturally occurring
Zinc	No	10/24/18	ND - 0.24	mg/l	n/a	MCL = 5	Naturally occurring
Chloride	No	10/24/18	26.0 - 72.7	mg/l	n/a	MCL = 250	Naturally occurring
Nickel	No	10/15/18	0.069 - 15.0	ug/l	n/a	No MCL	Naturally occurring
Calcium	No	10/24/18	5.5 - 13.0	mg/l	n/a	No MCL	Naturally occurring
Nitrate	No	06/06/18	0.05 - 6.0	mg/l	10	MCL = 10	Runoff from fertilizer and leaching from septic tanks and sewage
Magnesium	No	10/11/18	3.0 - 6.2	mg/l	n/a	None	Naturally occurring
Sulfate	No	10/11/18	14.5 - 38.1	mg/l	n/a	MCL = 250	Naturally occurring
Total Alkalinity	No	09/14/18	ND - 88.4	mg/l	n/a	No MCL	Naturally occurring
Calcium Hardness	No	10/24/18	13.8 - 32.5	mg/l	n/a	No MCL	Naturally occurring
Total Hardness	No	11/21/18	26.1 - 57.6	mg/l	n/a	No MCL	Naturally occurring
Total Dissolved Solids (TDS)	No	10/24/18	34.0 - 176.0	mg/l	n/a	No MCL	Naturally occurring
Turbidity	No	06/05/18	ND - 2.4	mg/l	n/a	No MCL	Naturally occurring
Volatile Organic Contaminants & Disinfection By-Products							
Dichlorodifluoromethane	No	09/12/18	ND - 0.97	ug/l	n/a	MCL = 5	Industrical/Commercial discharge
Tetrachloroethene	No	04/24/18	ND - 1.5	ug/l	0	MCL = 5	Industrial/Commercial discharge
Trichloroethene	No	07/20/18	ND - 1.4	ug/l	0	MCL = 5	Industrial/Commercial discharge
Total Trihalomethanes (TTHM)	No	01/18/18	ND - 14.8	ug/l	n/a	MCL = 80	Disinfection By-Products
cis-1,2-Dichloroethene	No	02/13/18	ND - 2.6	ug/l	n/a	MCL = 60	Disinfection By-Products
Radionuclides							
Gross Alpha	No	06/01/17	1.32 - 3.18	pCi/L	n/a	MCL = 15	Naturally occurring
Gross Beta	No	05/30/17	0.9 - 3.76	pCi/L	n/a	MCL = 50	Naturally occurring
Radium 226 & 228	No	06/09/17	0.8 - 2.75	pCi/L	n/a	MCL = 5[3]	Naturally occurring
Uranium	No	06/01/17	0.66 - 3.18	ug/l	n/a	MCL = 30	Naturally occurring
Unregulated Contaminant Monitoring Rule[4]							
1,4-dioxane	No	06/06/18	0.33 - 4.9	ug/l	n/a	HA = 35	Used in manufacturing process
Cobalt	No	05/21/13	2.8 - 2.9	ug/l	n/a	No MCL	Naturally occurring
Chromium	No	06/27/13	0.3 - 1.0	ug/l	100	MCL = 100	Natural deposits
Strontium	No	05/21/13	39.0 - 66.0	ug/l	n/a	HA = 4000	Naturally occurring
Vanadium	No	05/21/13	ND - 0.3	ug/l	n/a	No MCL	Naturally occurring
Hexavelent Chromium	No	05/23/13	0.1 - 0.8	ug/l	n/a	No MCL	Natural deposits
Chlorate	No	11/19/13	ND - 180	ug/l	n/a	No MCL	By-Product of Chlorination
Perchlorate	No	10/11/18	ND - 1.8	ug/l	n/a	AL = 18[5]	Industrial/Commercial chemical discharge
Perfluorooctanoic Acid	No	06/04/18	ND - 32.0	ng/l	0	HA = 70	Industrial discharge

Definitions:

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

Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

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

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

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

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

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

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

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

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

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

(1) - During 2017, we collected and analyzed 30 samples for lead and copper. The 90% percentile level is presented in the table. The next sampling program for lead and copper will be conducted in 2020.

(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) - UCMR3 - Unregulated Contaminant Monitoring Rule 3 is a Federal water quality sampling program where water suppliers sample and test their source water for 1 year. Results will be used by the USEPA to determine if the contaminants need to be regulated in the future.

53) - Perchlorate is an unregulated contaminant. However, the State Health Dept. has established an action level of 18 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. 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.

RECENT WATER DEPT. PROJECTS

During 2018, the Village of Garden City continued to implement a water conservation program in order to minimize any unnecessary water use. The pumpage for 2018 was approximately the same as in 2017.

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).

The Village is also improving its water infrastructure. The Village has started construction on replacing the elevated tank located on Old Country Road, updating the existing computerized control system (called SCADA) and replacing old water mains.

Copies of a Supplemental Data Package, which includes the water quality data for each of our supply wells utilized during 2018, 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.

INCORPORATED VILLAGE OF GARDEN CITY
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Superintendent of Public Works
Joseph DiFrancisco

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA

PARAMETERS (mg/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095[2] MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095[2] 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 MAX. RESULT	WELL NO. 9 N-03881 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
INORGANIC												
ARSENIC	10.0 ug/l	3.0 ug/l	ND	ND	ND	ND	OUT OF SERVICE		ND	ND	ND	ND
BARIUM	2.0 mg/l	0.2 mg/l	0.0054/0.0048	0.0054/0.0048	0.0053	0.0053			0.013	0.013	0.021	0.021
CADMIUM	5.0 ug/l	5.0 ug/l	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
COPPER	[1.3] mg/l	0.02 mg/l	0.022/ND	0.022/ND	0.07	0.07			0.03	0.03	0.037	0.037
FLUORIDE	2.2 mg/l	0.1 mg/l	ND	ND	ND	ND			ND	ND	ND	ND
LEAD	[15.0] ug/l	1.0 ug/l	3.0/ND	3.0/ND	2.3	2.3			ND	ND	1.9	1.9
MERCURY	2.0 ug/l	0.2 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
LANGLIER SATURATION INDEX	None	None	-1.21/-3.63	-1.21/-3.63	-4.23	-4.23			-3.93	-3.93	-4.15	-4.15
SELENIUM	50 ug/l	5.0 ug/l	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
SODIUM	*20/270 mg/l	0.2 mg/l	16.7/53.3	16.7/53.3	13.7	13.7			22.8	22.8	39.0	39.0
ZINC	5.0 mg/l	0.02 mg/l	0.023/ND	0.023/ND	0.026	0.026			ND	ND	0.24	0.24
COLOR	15 Units	5 Units	ND	ND	ND	ND			ND	ND	ND	ND
TURBIDITY	5 Units	1 Unit	ND	ND	ND	ND			ND	ND	ND	ND
ODOR	3 Units	0 Units	ND	ND	ND	ND			ND	ND	ND	ND
IRON	0.3 mg/l	0.02 mg/l	ND	ND	ND	ND			0.026	0.026	ND	ND
MANGANESE	0.3 mg/l	0.01 mg/l	0.018/ND	0.018/ND	ND	ND			ND	ND	ND	ND
AMMONIA	None	0.1 mg/l	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
NITRATE	10.0 mg/l	0.1 mg/l	0.051[2]/0.056[2]	0.051/0.056	2.1[2]	2.1			8.2[38]	5.2	6.0[40]	4.0
CHLORIDE	250 mg/l	1.0 mg/l	35.3/35.8	35.3/35.8	26.0	26.0			40.0	40.0	72.7	72.7
TOTAL HARDNESS	None	1.0 mg/l	26.4/26.1	26.4/26.1	29.0	29.0			57.6	57.6	56.1	56.1
TOTAL ALKALINITY	None	0 mg/l	4.0/88.4	4.0/88.4	4.5	4.5			6.1	6.1	3.5	3.5
pH (BEFORE TREATMENT)	None	None	6.5[2]/7.6[2]	6.0/6.8	5.8[2]	5.4			5.8[2]	5.2	5.7[2]	5.1
TOTAL DISSOLVED SOLIDS	None	5.0 mg/l	87.0/167.0	87.0/167.0	34.0	34.0			160.0	160.0	176.0	176.0
DETERGENTS (MBAS)	None	0.08 mg/l	ND	ND	ND	ND			ND	ND	ND	ND
SULFATE	250 mg/l	5.0 mg/l	16.4/15.8	16.4/15.8	15.9	15.9			30.2	30.2	27.5	27.5
FREE CYANIDE	200 ug/l	10.0 ug/l	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
BERYLLIUM	4.0 ug/l	3.0 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
CALCIUM	None	1.0 mg/l	5.6/5.5	5.6/5.5	6.2	6.2			12.9	12.9	13	13
MAGNESIUM	None	1.0 mg/l	3.0/3.0	3.0/3.0	3.3	3.3			6.2	6.2	5.7	5.7
NICKEL	0.1 mg/l	0.0005 mg/l	0.0079/0.0027	0.0079/0.0027	0.0045	0.0045			0.0034	0.0034	0.0056	0.0056
THALLIUM	2.0 ug/l	0.3 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
PERCHLORATE	18 ug/l	1.0 ug/l	ND	ND	ND	ND			1.3	1.3	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

WELL NO. 9 - OUT OF SERVICE

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA (continued)

PARAMETERS (mg/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163[1] MAX. RESULT	WELL NO. 12 N-05163[1] AVG. RESULT	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[2] MAX. RESULT (Raw/Treat)	WELL NO. 14 N-08339[2] 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[3] MAX. RESULT (Raw/Treat)	WELL NO. 16 N-10034[3] AVG. RESULT (Raw/Treat)
INORGANIC												
ARSENIC	10.0 ug/l	3.0 ug/l	ND	ND	ND	ND	ND	ND	OUT OF	SERVICE	ND	ND
BARIUM	2.0 mg/l	0.2 mg/l	0.0046	0.0046	0.0031	0.0031	0.0028	0.0028			0.0052/0.0037	0.0049/0.0037
CADMIUM	5.0 ug/l	5.0 ug/l	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
COPPER	[1.3] mg/l	0.02 mg/l	0.012	0.012	0.011	0.011	0.005	0.005			0.093/0.012	0.068/0.012
FLUORIDE	2.2 mg/l	0.1 mg/l	ND	ND	ND	ND	ND	ND			ND	ND
LEAD	[15.0] ug/l	1.0 ug/l	ND	ND	1.7	1.7	ND	ND			1.2/ND	0.6/ND
MERCURY	2.0 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
LANGLIER SATURATION INDEX	None	None	-3.35	-3.35	-3.44	-3.44	-3.58	-3.58			-4.90/-1.43	-4.75/-1.43
SELENIUM	50 ug/l	5.0 ug/l	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
SODIUM	*20/270 mg/l	0.2 mg/l	18.3	18.3	15.1	15.1	20.6	20.6			13.0/47.5	12.8/47.5
ZINC	5.0 mg/l	0.02 mg/l	ND	ND	0.036	0.036	ND	ND			0.062/ND	0.05/ND
COLOR	15 Units	5 Units	ND	ND	ND	ND	ND	ND			ND	ND
TURBIDITY	5 Units	1 Unit	ND	ND	ND	ND	ND	ND			2.4/ND	1.2/ND
ODOR	3 Units	0 Units	ND	ND	ND	ND	ND	ND			ND	ND
IRON	0.3 mg/l	0.02 mg/l	ND	ND	ND	ND	ND	ND			***2.3[5]/0.25[4]	***2.1/0.09
MANGANESE	0.3 mg/l	0.01 mg/l	ND	ND	ND	ND	ND	ND			0.029[5]/0.14[4]	0.023/0.04
AMMONIA	None	0.1 mg/l	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
NITRATE	10.0 mg/l	0.1 mg/l	6.0[26]	4.3	4.6[8]	4.1	3.8[2]	3.8			0.24[4]/0.21[2]	0.23/0.21
CHLORIDE	250 mg/l	1.0 mg/l	37.3	37.3	31.6	31.6	44.3	44.3			36.4/36.7	35.9/36.7
TOTAL HARDNESS	None	1.0 mg/l	54.8	54.8	51.5	51.5	56.7	56.7			30.2/30.0	29.9/30.0
TOTAL ALKALINITY	None	0 mg/l	11.4	11.4	10.5	10.5	8.4	8.4			2.0/73.1	1.0/73.1
pH (BEFORE TREATMENT)	None	None	6.0[2]	5.5	6.0[2]	6.0	6.0[2]	6.0			7.0[4]/7.4[2]	6.2/7.2
TOTAL DISSOLVED SOLIDS	None	5.0 mg/l	49.0	49.0	118.0	118.0	137.0	137.0			73.0/148.0	72.0/148.0
DETERGENTS (MBAS)	None	0.08 mg/l	ND	ND	ND	ND	ND	ND			ND	ND
SULFATE	250 mg/l	5.0 mg/l	21.1	21.1	27.4	27.4	38.1	38.1			15.4/14.5	13.5/14.5
FREE CYANIDE	200 ug/l	10.0 ug/l	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
BERYLLIUM	4.0 ug/l	3.0 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
CALCIUM	None	1.0 mg/l	11.9	11.9	10.8	10.8	12.5	12.5			6.1/6.4	6.1/6.4
MAGNESIUM	None	1.0 mg/l	6.1	6.1	6.0	6.0	6.2	6.2			3.6/3.4	3.6/3.4
NICKEL	0.1 mg/l	0.0005 mg/l	0.015	0.015	0.001	0.001	0.00069	0.00069			0.0049/0.0021	0.0046/0.0021
THALLIUM	2.0 ug/l	0.3 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
PERCHLORATE	18 ug/l	1.0 ug/l	ND	ND	1.8	1.8	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/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 NO. 15 - OUT OF SERVICE

( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095[1]		WELL NO. 8 N-01697[1]		WELL NO. 9 N-03881		WELL NO. 10 N-03934[1]		WELL NO. 11 N-03935[1]	
			MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT
SYNTHETIC ORGANICS CONTAMINANTS (SOC)												
LINDANE	0.2 ug/l	0.025 ug/l	ND	ND	ND	ND	OUT OF	SERVICE	ND	ND	ND	ND
HEPTACHLOR	0.4 ug/l	0.025 ug/l	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
HEPTACHLOR EPOXIDE	0.2 ug/l	0.025 ug/l	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
ENDRIN	2.0 ug/l	0.05 ug/l	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
TOXAPHENE	3.0 ug/l	2.5 ug/l	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
TOTAL PCBs	0.5 ug/l	0.5 ug/l	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
ALACHLOR	2.0 ug/l	1.0 ug/l	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
ATRAZINE	3.0 ug/l	0.5 ug/l	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
METRIBUZIN	50.0 ug/l	0.5 ug/l	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

CONT. - CONTAMINANT
ND - NOT DETECTED
WELL NO. 9 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA (continued)

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

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 2016.
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 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 MAX. RESULT	WELL NO. 9 N-03881 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) (CONT'D.)												
2,4-D	50.0 ug/l	0.25 ug/l	ND	ND	ND	ND	OUT OF	SERVICE	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
DINOSEB	7.0 ug/l	0.2 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
DALAPON	200 ug/l	0.7 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
PICLORAM	500 ug/l	0.6 ug/l	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
PENTACHLOROPHENOL	1.0 ug/l	0.2 ug/l	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
bis(2-ETHYLHEXYL)ADIPATE	400 ug/l	1.0 ug/l	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
HEXACHLOROBENZENE	1.0 ug/l	0.25 ug/l	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
ALDICARB SULFONE	2.0 ug/l	1.0 ug/l	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
ALDICARB	3.0 ug/l	1.0 ug/l	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
OXAMYL	200 ug/l	1.0 ug/l	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
3-HYDROXYCARBOFURAN	50.0 ug/l	1.0 ug/l	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
CARBARYL	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
GLYPHOSATE	700 ug/l	10.0 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
DIQUAT	20 ug/l	1.0 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
ENDOTHALL	100 ug/l	50.0 ug/l	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
1,2-DIBROMO-3-CHL.PROPANE	0.2 ug/l	0.02 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
DIOXIN	30 Pg/L	5.0 Pg/L	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 2016.
WELL NO. 9 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163[1] MAX. RESULT	WELL NO. 12 N-05163[1] AVG. RESULT	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[1] MAX. RESULT	WELL NO. 16 N-10034[1] AVG. RESULT
SYNTHETIC ORGANICS CONTAMINANTS (SOC) (CONT'D.)												
2,4-D	50.0 ug/l	0.25 ug/l	ND	ND	ND	ND	ND	ND	OUT OF	SERVICE	ND	ND
2,4,5-TP (SILVEX)	10.0 ug/l	0.13 ug/l	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
DALAPON	200 ug/l	0.7 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
PICLORAM	500 ug/l	0.6 ug/l	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
PENTACHLOROPHENOL	1.0 ug/l	0.2 ug/l	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
bis(2-ETHYLHEXYL)ADIPATE	400 ug/l	1.0 ug/l	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
HEXACHLOROBENZENE	1.0 ug/l	0.25 ug/l	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
ALDICARB SULFONE	2.0 ug/l	1.0 ug/l	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
ALDICARB	3.0 ug/l	1.0 ug/l	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
OXAMYL	200 ug/l	1.0 ug/l	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
3-HYDROXYCARBOFURAN	50.0 ug/l	1.0 ug/l	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
CARBARYL	50.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
GLYPHOSATE	700 ug/l	10.0 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
DIQUAT	20 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
ENDOTHALL	100 ug/l	50.0 ug/l	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
1,2-DIBROMO-3-CHL.PROPANE	0.2 ug/l	0.02 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
DIOXIN	30 Pg/L	5.0 Pg/L	ND	ND	ND	ND	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 2016.
WELL NO. 15 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095[18] MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095[18] AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697[16] MAX. RESULT (Raw/Treat)	WELL NO. 8 N-01697[16] AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881 MAX. RESULT	WELL NO. 9 N-03881 AVG. RESULT	WELL NO. 10 N-03934[15] MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934[15] AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935[16] MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935[16] AVG. RESULT (Raw/Treat)
TRIHALOMETHANES AND HALOACETIC ACIDS												
CHLOROACETIC ACID	---	< 2.0 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
BROMOACETIC ACID	---	< 1.0 ug/l	ND	ND	ND	ND	OUT OF	SERVICE	ND	ND	ND	ND
DICHLOROACETIC ACID	---	< 1.0 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
TRICHLOROACETIC ACID	---	< 1.0 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
DIBROMOACETIC ACID	---	< 2.0 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
TOTAL HALOACETIC ACID	60 ug/l	< 2.0 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
CHLOROFORM	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND			1.0/ND	0.8/ND	ND	ND
BROMODICHLOROMETHANE	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
DIBROMOCHLOROMETHANE	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
BROMOFORM	50 ug/l	< 0.5 ug/l	ND	ND	ND/0.9	ND/0.08			ND/1.3	ND/0.1	ND	ND
TOTAL TRIHALOMETHANES	80 ug/l	< 1.0 ug/l	ND	ND	ND/0.9	ND/0.08			1.0/1.3	0.8/0.1	ND	ND
RADIONUCLIDES												
GROSS ALPHA	15 pCi/L	< 3 pCi/L	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
GROSS BETA	50 pCi/L	< 3 pCi/L	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

CONT. - CONTAMINANT
ND - NOT DETECTED
pCi/L - pico Curies per Liter
WELL NO. 9 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163[16] MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163[16] AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [20] MAX. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [20] AVG. RESULT (Raw/Treat)	WELL NO. 14 N-08339[15] MAX. RESULT (Raw/Treat)	WELL NO. 14 N-08339[15] 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[6] MAX. RESULT (Raw/Treat)	WELL NO. 16 N-10034[6] AVG. RESULT (Raw/Treat)
TRIHALOMETHANES AND HALOACETIC ACIDS												
CHLOROACETIC ACID	---	< 2.0 ug/l	ND	ND	ND	ND	ND	ND	OUT OF	SERVICE	ND	ND
BROMOACETIC ACID	---	< 1.0 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
DICHLOROACETIC ACID	---	< 1.0 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
TRICHLOROACETIC ACID	---	< 1.0 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
DIBROMOACETIC ACID	---	< 2.0 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
TOTAL HALOACETIC ACID	60 ug/l	< 2.0 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
CHLOROFORM	50 ug/l	< 0.5 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
BROMODICHLOROMETHANE	50 ug/l	< 0.5 ug/l	0.9/ND	0.2/ND	ND	ND	ND	ND			ND	ND
DIBROMOCHLOROMETHANE	50 ug/l	< 0.5 ug/l	3.1/ND	0.8/ND	1.3/ND	0.2/ND	ND	ND			ND	ND
BROMOFORM	50 ug/l	< 0.5 ug/l	10.8/0.9	2.7/0.08	2.8/1.5	0.4/0.1	ND	ND			ND	ND
TOTAL TRIHALOMETHANES	80 ug/l	< 1.0 ug/l	14.8/0.9	3.7/0.08	4.1/1.5	0.6/0.1	ND	ND			ND	ND
RADIONUCLIDES												
GROSS ALPHA	15 pCi/L	< 3 pCi/L	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
GROSS BETA	50 pCi/L	< 3 pCi/L	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

CONT. - CONTAMINANT
ND - NOT DETECTED
pCi/L - pico Curies per Liter
WELL NO. 15 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 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 (Raw/Treat)	WELL NO. 8 N-01697[1] AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881 MAX. RESULT	WELL NO. 9 N-03881 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
UCMR3												
1,4 DIOXANE	50 ug/l	0.7 ug/l	1.5	1.5	0.93[1]/2.7[1]	0.93/2.7	OUT OF	SERVICE	1.5	1.5	1.1	1.1
VOLATILES												
1,1-DICHLOROETHANE	5.0 ug/l	0.03 ug/l	0.6[7]/ND	0.2/ND	ND	ND			2.7[4]/ND	2.6/ND	1.4[4]/ND	1.1/ND
1,2,3-TRICHLORPROPANE	5.0 ug/l	0.03 ug/l	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
BROMOCHLOROMETHANE	50 ug/l	0.06 ug/l	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
CHLORODIFLUOROMETHANE	5.0 ug/l	0.08 ug/l	ND	ND	1.8	0.66			***14.3/ND	***10.2/ND	4.5[6]/ND	2.8/ND
CHLOROMETHANE	5.0 ug/l	0.2 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
PERFLUOROCHEMICALS												
PERFLUOROBUTANESULFONIC ACID	5.0 ug/l	0.9 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
PERFLUOROHEPTANOIC ACID	5.0 ug/l	0.01 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
PERFLUOROHEXANESULFONIC ACID	5.0 ug/l	0.03 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
PERFLUORONONANOIC ACID	5.0 ug/l	0.02 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
PERFLUOROOCTANESULFONIC ACID	5.0 ug/l	0.04 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
PERFLUOROOCTANOIC ACID	5.0 ug/l	0.02 ug/l	0.011	0.011	0.0044	0.0044			0.032	0.032	0.029	0.029
METALS												
CHROMIUM	100 ug/l	0.2 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
COBALT		1.0 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
MOLYBDENUM		1.0 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
STRONTIUM		0.3 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
VANADIUM		0.2 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
HEXAVELENT CHROMIUM		0.03 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
CHLORATE		20 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
HORMONES												
17-ALPHA-ETHYNYLESTRADIOL	50 ug/l	0.0004 ug/l	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
4-ANDROSTENE-3,17-DIONE	50 ug/l	0.0003 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
EQUILIN	50 ug/l	0.004 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
ESTRIOL	50 ug/l	0.0008 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
ESTRONE	50 ug/l	0.002 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED
TESTOSTERONE	50 ug/l	0.0001 ug/l	NOT	TESTED	NOT	TESTED			NOT	TESTED	NOT	TESTED

CONT. - CONTAMINANT
ND - NOT DETECTED
WELL NO. 9 - OUT OF SERVICE
Pg/L = PICOGRAMS PER LITER

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163[1] MAX. RESULT	WELL NO. 12 N-05163[1] AVG. RESULT	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[1] MAX. RESULT	WELL NO. 16 N-10034[1] AVG. RESULT
UCMR3												
1,4 DIOXANE	50 ug/l	0.7 ug/l	4.9[1]/2.7[1]	4.9/2.7	0.85	0.85	1.1	1.1	OUT OF	SERVICE	1.5	1.5
VOLATILES												
1,1-DICHLOROETHANE	5.0 ug/l	0.03 ug/l	0.8[4]/ND	0.5/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
1,3-BUTADIENE	50 ug/l	0.1 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
BROMOCHLOROMETHANE	50 ug/l	0.06 ug/l	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
CHLORODIFLUOROMETHANE	5.0 ug/l	0.08 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
CHLOROMETHANE	5.0 ug/l	0.2 ug/l										
PERFLUOROCHEMICALS			NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
PERFLUOROBUTANESULFONIC ACID	5.0 ug/l	0.9 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
PERFLUOROHEPTANOIC ACID	5.0 ug/l	0.01 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
PERFLUOROHEXANESULFONIC ACID	5.0 ug/l	0.03 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
PERFLUORONONANOIC ACID	5.0 ug/l	0.02 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
PERFLUOROOCTANESULFONIC ACID	5.0 ug/l	0.04 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
PERFLUOROOCTANOIC ACID	5.0 ug/l	0.02 ug/l	0.0095	0.0095	0.018	0.018	0.015	0.015			0.017	0.017
METALS			ND	ND	ND	ND	ND	ND			ND	ND
CHROMIUM	100 ug/l	0.2 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
COBALT		1.0 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
MOLYBDENUM		1.0 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
STRONTIUM		0.3 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
VANADIUM		0.2 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
HEXAVELENT CHROMIUM		0.03 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
CHLORATE		20 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
HORMONES												
17-ALPHA-ETHYNYLESTRADIOL	50 ug/l	0.0004 ug/l	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
4-ANDROSTENE-3,17-DIONE	50 ug/l	0.0003 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
EQUILIN	50 ug/l	0.004 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
ESTRIOL	50 ug/l	0.0008 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
ESTRONE	50 ug/l	0.002 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED
TESTOSTERONE	50 ug/l	0.0001 ug/l	NOT	TESTED	NOT	TESTED	NOT	TESTED			NOT	TESTED

CONT. - CONTAMINANT
ND - NOT DETECTED
Pg/L = PICROGRAMS PER LITER
WELL NO. 15 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095[18] MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095[18] AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697[16] MAX. RESULT (Raw/Treat)	WELL NO. 8 N-01697[16] AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881 MAX. RESULT	WELL NO. 9 N-03881 AVG. RESULT	WELL NO. 10 N-03934[15] MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934[15] AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935[16] MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935[16] AVG. RESULT (Raw/Treat)
VOLATILE ORGANICS												
DICHLORODIFLUOROMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	OUT OF	SERVICE	***18.1/ND	***17.2/ND	4.3/ND	3.8/ND
CHLOROMETHANE	5.0 ug/l	0.5 ug/l	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
BROMOMETHANE	5.0 ug/l	0.5 ug/l	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
TRICHLOROFLUOROMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND			***20.4/ND	***13.7/ND	***17.9/ND	***15.0/ND
1,1-DICHLOROETHENE	5.0 ug/l	0.5 ug/l	0.6/ND	0.2/ND	0.9/ND	0.7/ND			1.9/ND	1.8/ND	1.2/ND	1.0/ND
METHYLENE CHLORIDE	5.0 ug/l	0.5 ug/l	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
1,1-DICHLOROETHANE	5.0 ug/l	0.5 ug/l	0.6/ND	0.2/ND	ND	ND			2.7/ND	2.6/ND	1.4/ND	1.1/ND
cis -1,2 DICHLOROETHENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND			3.4/ND	3.2/ND	3.2/0.6	3.1/0.1
2,2-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l	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
1,1,1-TRICHLOROETHANE	5.0 ug/l	0.5 ug/l	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
1,1-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l	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
TRICHLOROETHENE	5.0 ug/l	0.5 ug/l	***5.2/ND	3.8/ND	***8.1/1.4	3.8/0.2			***16.4/ND	***13.5/ND	***41.3/1.0	***37.0/0.1
1,2-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l	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
1,2-DIBROMOETHANE	5.0 ug/l	0.5 ug/l	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
cis -1,3-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l	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
TETRACHLOROETHENE	5.0 ug/l	0.5 ug/l	0.5/ND	0.1/ND	4.8/ND	3.6/ND			***51.6/ND	***39.6/ND	***79.6/ND	***73.9/ND

CONT. - CONTAMINANT
ND - NOT DETECTED
*** - EXCEEDS NEW YORK STATE/USEPA LIMITS FOR POTABLE WATER
WELL NO. 9 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095[18]		WELL NO. 8 N-01697[16]		WELL NO. 9 N-03881		WELL NO. 10 N-03934[15]		WELL NO. 11 N-03935[16]	
			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)
VOLATILE ORGANICS (CONT'D.)												
1,3-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	OUT OF	SERVICE	ND	ND	ND	ND
CHLOROBENZENE	5.0 ug/l	0.5 ug/l	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
1,1,2-TRICHLOROTRIFLUOROETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND			0.6/ND	0.2/ND	0.6/ND	0.2/ND
BROMOBENZENE	5.0 ug/l	0.5 ug/l	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
1,2,3-TRICHLOROPROPANE	5.0 ug/l	0.5 ug/l	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
4-CHLOROTOLUENE	5.0 ug/l	0.5 ug/l	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
1,3-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l	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
1,2,4-TRICHLOROBENZENE	5.0 ug/l	0.5 ug/l	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
1,2,3-TRICHLOROBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND			ND	ND	ND	ND
BENZENE	5.0 ug/l	0.5 ug/l	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
ETHYLBENZENE	5.0 ug/l	0.5 ug/l	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
O-XYLENE	5.0 ug/l	0.5 ug/l	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
ISOPROPYLBENZENE (CUMENE)	5.0 ug/l	0.5 ug/l	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
1,3,5-TRIMETHYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND			ND	ND	ND	ND

CONT. - CONTAMINANT
ND - NOT DETECTED
WELL NO. 9 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 7 N-00095[18] MAX. RESULT (Raw/Treat)	WELL NO. 7 N-00095[18] AVG. RESULT (Raw/Treat)	WELL NO. 8 N-01697[16] MAX. RESULT (Raw/Treat)	WELL NO. 8 N-01697[16] AVG. RESULT (Raw/Treat)	WELL NO. 9 N-03881 MAX. RESULT	WELL NO. 9 N-03881 AVG. RESULT	WELL NO. 10 N-03934[15] MAX. RESULT (Raw/Treat)	WELL NO. 10 N-03934[15] AVG. RESULT (Raw/Treat)	WELL NO. 11 N-03935[16] MAX. RESULT (Raw/Treat)	WELL NO. 11 N-03935[16] AVG. RESULT (Raw/Treat)
VOLATILE ORGANICS (CONT'D.)												
TERT-BUTYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	OUT OF	SERVICE	ND	ND	ND	ND
1,2,4-TRIMETHYLBENZENE	5.0 ug/l	0.5 ug/l	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
4-ISOPROPYLTOLUENE (P-CUMENE)	5.0 ug/l	0.5 ug/l	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
METHYL TERT.BUTYL ETHER (MTBE)	10.0 ug/l	0.5 ug/l	ND	ND	ND	ND			ND	ND	ND	ND

CONT. - CONTAMINANT
ND - NOT DETECTED
WELL NO. 9 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163[16] MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163[16] AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [20] MAX. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [20] AVG. RESULT (Raw/Treat)	WELL NO. 14 N-08339[15] MAX. RESULT (Raw/Treat)	WELL NO. 14 N-08339[15] 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[6] MAX. RESULT (Raw/Treat)	WELL NO. 16 N-10034[6] AVG. RESULT (Raw/Treat)
VOLATILE ORGANICS												
DICHLORODIFLUOROMETHANE	5.0 ug/l	0.5 ug/l	0.6/ND	0.5/ND	ND	ND	ND	ND	OUT OF	SERVICE	0.9/1.0	0.4/0.8
CHLOROMETHANE	5.0 ug/l	0.5 ug/l	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
BROMOMETHANE	5.0 ug/l	0.5 ug/l	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
TRICHLOROFLUOROMETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
1,1-DICHLOROETHENE	5.0 ug/l	0.5 ug/l	***15.2/ND	***10.1/ND	0.9/0.6	0.6/0.1	0.8/ND	0.7/ND			ND	ND
METHYLENE CHLORIDE	5.0 ug/l	0.5 ug/l	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
1,1-DICHLOROETHANE	5.0 ug/l	0.5 ug/l	0.8/ND	0.5/ND	ND	ND	ND	ND			ND	ND
cis-1,2 DICHLOROETHENE	5.0 ug/l	0.5 ug/l	1.1/ND	0.8/ND	3.7/2.6	2.8/0.2	***5.4/ND	4.1/ND			ND	ND
2,2-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l	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
1,1,1-TRICHLOROETHANE	5.0 ug/l	0.5 ug/l	4.5/ND	2.8/ND	ND	ND	0.6/ND	0.3/ND			ND	ND
CARBON TETRACHLORIDE	5.0 ug/l	0.5 ug/l	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
1,2-DICHLOROETHANE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND			ND	ND
TRICHLOROETHENE	5.0 ug/l	0.5 ug/l	***143.0/1.4	***102.8/0.2	***47.5/***38.6	***40.2/3.1	***38.4/1.4	***27.0/0.3			ND	ND
1,2-DICHLOROPROPANE	5.0 ug/l	0.5 ug/l	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
1,2-DIBROMOETHANE	5.0 ug/l	0.5 ug/l	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
cis-1,3-DICHLOROPROPENE	5.0 ug/l	0.5 ug/l	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
TETRACHLOROETHENE	5.0 ug/l	0.5 ug/l	***76.1/ND	***47.0/ND	***670.0/***315.0	***427.7/0.12	***292.0/1.3	***220.9/0.9			ND/0.5	ND/0.1

CONT. - CONTAMINANT
ND - NOT DETECTED
*** - EXCEEDS NEW YORK STATE/USEPA LIMITS FOR POTABLE WATER
* - MECHANICAL FAILURE OF TREATMENT SYSTEM ON JUNE 26, 2007
WELL NO. 15 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163[16] MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163[16] AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [20] MAX. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [20] AVG. RESULT (Raw/Treat)	WELL NO. 14 N-08339[15] MAX. RESULT (Raw/Treat)	WELL NO. 14 N-08339[15] 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[6] MAX. RESULT (Raw/Treat)	WELL NO. 16 N-10034[6] 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	OUT OF	SERVICE	ND	ND
CHLOROBENZENE	5.0 ug/l	0.5 ug/l	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
1,1,2-TRICHLOROTRIFLUOROETHANE	5.0 ug/l	0.5 ug/l	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
1,1,2,2-TETRACHLOROETHANE	5.0 ug/l	0.5 ug/l	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
2-CHLOROTOLUENE	5.0 ug/l	0.5 ug/l	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
1,2-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l	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
1,4-DICHLOROBENZENE	5.0 ug/l	0.5 ug/l	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
HEXACHLOROBUTADIENE	5.0 ug/l	0.5 ug/l	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
BENZENE	5.0 ug/l	0.5 ug/l	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
ETHYLBENZENE	5.0 ug/l	0.5 ug/l	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
O-XYLENE	5.0 ug/l	0.5 ug/l	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
ISOPROPYLBENZENE (CUMENE)	5.0 ug/l	0.5 ug/l	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
1,3,5-TRIMETHYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND			ND	ND

CONT. - CONTAMINANT
ND - NOT DETECTED
* - MECHANICAL FAILURE OF TREATMENT SYSTEM ON JUNE 26, 2007
WELL NO. 15 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR

INC. VILLAGE OF GARDEN CITY - WATER DEPARTMENT
2018 WATER QUALITY DATA (continued)

PARAMETERS (ug/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 12 N-05163[16] MAX. RESULT (Raw/Treat)	WELL NO. 12 N-05163[16] AVG. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [20] MAX. RESULT (Raw/Treat)	WELL NO. 13 N-07058 [20] AVG. RESULT (Raw/Treat)	WELL NO. 14 N-08339[15] MAX. RESULT (Raw/Treat)	WELL NO. 14 N-08339[15] 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[6] MAX. RESULT (Raw/Treat)	WELL NO. 16 N-10034[6] AVG. RESULT (Raw/Treat)
VOLATILE ORGANICS (CONT'D.)												
TERT-BUTYLBENZENE	5.0 ug/l	0.5 ug/l	ND	ND	ND	ND	ND	ND	OUT OF	SERVICE	ND	ND
1,2,4-TRIMETHYLBENZENE	5.0 ug/l	0.5 ug/l	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
4-ISOPROPYLTOLUENE (P-CUMENE)	5.0 ug/l	0.5 ug/l	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
METHYL TERT.BUTYL ETHER (MTBE)	10.0 ug/l	0.5 ug/l	ND	ND	ND	ND	0.5/ND	0.1/ND			ND	ND

CONT. - CONTAMINANT
ND - NOT DETECTED
* - MECHANICAL FAILURE OF TREATMENT SYSTEM ON JUNE 26, 2007
WELL NO. 15 - OUT OF SERVICE
( ) - NUMBER OF SAMPLES COLLECTED AND TESTED DURING YEAR