

**WATER AUTHORITY OF GREAT NECK NORTH  
2022 SOURCE TESTING RESULTS**

Supplement to the 2020 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

<b>PHYSICAL (PHY.1)</b>	<b>MCL (UNITS)</b>	<b>WELL #2A</b>	<b>WELL #5</b>	<b>WELL #6</b>	<b>WELL #7</b>	<b>WELL #8</b>
Turbidity	5	ND	1.5	ND	ND	4.2
Color	15	ND	7	ND	ND	ND
Odor	3	ND	ND	ND	ND	ND
Temperature	Deg. C.	15	14	14	14	14

  

<b>INORGANIC (IOC. 1,2,3)</b>	<b>MCL (mg/L)</b>	<b>WELL #2A (mg/L)</b>	<b>WELL #5 (mg/L)</b>	<b>WELL #6 (mg/L)</b>	<b>WELL #7 (mg/L)</b>	<b>WELL #8 (mg/L)</b>
Antimony	0.006	ND	ND	ND	ND	ND
Arsenic	0.010	ND	ND	ND	ND	ND
Barium	2.0	0.027	0.5	0.049	0.013	0.061
Beryllium	0.004	ND	ND	ND	ND	ND
Cadmium	0.005	ND	ND	ND	ND	ND
Calcium	N/A	22.2	29.7	27.7	25.6	32.6
Chloride	250	62	127	39.5	31	70.9
Chromium	0.10	ND	ND	ND	ND	ND
Copper	1.3	0.045	0.43	ND	0.014	0.014
Fluoride	2.2	ND	ND	0.14	ND	ND
Free Cyanide	0.2	ND	ND	ND	ND	ND
Iron	0.3	ND	0.2025	0.053	0.061	0.15
Lead	0.015	ND	ND	ND	ND	ND
Magnesium	N/A	11.4	13.9	13.2	12.5	18.4
Manganese	0.3	ND	0.022	0.24	0.012	ND
MBAS	N/A	ND	ND	ND	ND	ND
Mercury	0.002	ND	ND	ND	ND	ND
Nickel	N/A	0.0028	0.00062	0.0026	0.00068	0.0011
Selenium	0.05	ND	ND	ND	ND	ND
Silver	0.1	ND	ND	ND	ND	ND
Sodium	See Notes	18.9	18.5	13.8	14.9	17
Sulfate	250	25.7	12.3	49.5	27.1	52.4
Thallium	0.002	ND	ND	ND	ND	ND
Zinc	5.0	ND	0.024	ND	ND	ND
Ammonia	N/A	ND	ND	ND	ND	ND
Nitrates	10	2.9	0.099	0.94	1.2	4.2
Nitrites	1	ND	ND	ND	ND	ND
Perchlorate	See Notes	3.6	ND	ND	ND	ND

  

<b>CORROSIVITY (COR.1)</b>						
Calcium Hardness		55.4	74.2	69.2	63.9	81.4
Langelier Index		-2.08	-1.96	-1.93	-2.04	-1.87
PH		6.7	7	6.5	6.9	6.6
Total Alkalinity		50.5	51.5	76.5	77.5	60.5
Dissolved Solids		194	190	233	167	308
Total Hardness		102	131	124	115	157

**NOTES:**

**Sodium:**

The New York State Department of Health recommends that Sodium not exceed 20 mg/L for severely restricted sodium diets and 270 mg/L for moderately restricted sodium diets.

**Perchlorate:**

The Primary Action Level is 18 ppb. If a well exceeds the Primary Action Level, the supplier must perform public notification and the well must be taken out of service or appropriate steps (such as blending) must be taken to assure the safety of the public's health.

The Secondary Action Level is 5 ppb. If a well exceeds the Secondary Action Level, State notification is required and the well must be monitored quarterly and operated to reduce the discharge of perchlorate into the distribution system.

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<b>PHYSICAL (PHY.1)</b>	<b>MCL (UNITS)</b>	<b>WELL #9</b>	<b>WELL #10A</b>	<b>WELL #11A</b>	<b>WELL #12</b>	<b>WELL #13</b>	<b>WELL #14</b>
Turbidity	5	1.2	ND	2.1	ND	ND	ND
Color	15	ND	ND	7	ND	11	ND
Odor	3	ND	ND	ND	ND	ND	ND
Temperature	Deg. C.	16	13	15	15	16	16

<b>INORGANIC (IOC. 1,2,3)</b>	<b>MCL (mg/L)</b>	<b>WELL #9 (mg/L)</b>	<b>WELL #10A (mg/L)</b>	<b>WELL #11A (mg/L)</b>	<b>WELL #12 (mg/L)</b>	<b>WELL #13 (mg/L)</b>	<b>WELL #14 (mg/L)</b>
Antimony	0.006	ND	ND	ND	ND	ND	ND
Arsenic	0.010	ND	ND	ND	ND	ND	ND
Barium	2.0	0.38	0.19	0.02	0.013	0.018	0.019
Beryllium	0.004	ND	ND	ND	ND	ND	ND
Cadmium	0.005	ND	ND	ND	ND	ND	ND
Calcium	N/A	29.6	16	16.3	25.2	32.9	24.6
Chloride	250	92.8	27.7	10.9	54.9	109	60.7
Chromium	0.10	ND	ND	ND	ND	ND	ND
Copper	1.3	ND	0.0031	ND	0.0083	0.0042	0.0044
Fluoride	2.2	ND	ND	ND	ND	0.12	ND
Free Cyanide	0.2	ND	ND	ND	ND	ND	ND
Iron	0.3	0.046	ND	0.24	ND	ND	ND
Lead	0.015	ND	ND	ND	ND	ND	ND
Magnesium	N/A	14	9.1	8.1	15.7	20.5	15.1
Manganese	0.3	ND	ND	0.01	ND	ND	ND
MBAS	N/A	ND	ND	ND	ND	ND	ND
Mercury	0.002	ND	ND	ND	ND	ND	ND
Nickel	N/A	0.00059	0.00056	0.00052	ND	ND	0.0006
Selenium	0.05	ND	ND	ND	ND	ND	ND
Silver	0.1	ND	ND	ND	ND	ND	ND
Sodium	See Notes	30.7	9.4	6	17	28.7	19.1
Sulfate	250	32.1	21.7	19.2	21.9	26.2	27.5
Thallium	0.002	ND	ND	ND	ND	ND	ND
Zinc	5.0	ND	0.03	ND	ND	ND	ND
Ammonia	N/A	ND	ND	ND	ND	ND	ND
Nitrates	10	2.3	2.2	1.4	3.2	3.2	2.4
Nitrites	1	ND	ND	ND	ND	ND	ND
Perchlorate	See Notes	3.6	ND	ND	ND	ND	ND

**CORROSIVITY (COR.1)**

Calcium Hardness	73.9	40	40.7	62.9	82.2	61.4
Langelier Index	-1.9	-2.33	-2.16	-2.23	-1.59	-2.04
PH	6.4	6.9	6.9	6.8	6.7	6.4
Total Alkalinity	68	53.4	53.4	49.1	61.1	57.8
Disssolved Solids	267	194	98	199	256	195
Total Hardness	132	77.3	73.9	128	167	124

**NOTES:**

**Sodium:**

The New York State Department of Health recommends that Sodium not exceed 20 mg/L for severely restricted sodium diets and 270 mg/L for moderately restricted sodium diets.

**Perchlorate:**

The Primary Action Level is 18 ppb. If a well exceeds the Primary Action Level, the supplier must perform public notification and the well must be taken out of service or appropriate steps (such as blending) must be taken to assure the safety of the public's health.

The Secondary Action Level is 5 ppb. If a well exceeds the Secondary Action Level, State notification is required and the well must be monitored quarterly and operated to reduce the discharge of perchlorate into the distribution system.

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2022 SOURCE TESTING RESULTS**

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<b>PESTICIDES AND HERBICIDES (SOC. 1,2)</b>	<b>MCL (ug/L)</b>	<b>WELL #2A (ug/L)</b>	<b>WELL #5 (ug/L)</b>	<b>WELL #6 (ug/L)</b>	<b>WELL #7 (ug/L)</b>	<b>WELL #8 (ug/L)</b>
Alachlor	2.0	ND	ND	ND	ND	N/A
Aldicarb	3.0	ND	ND	ND	ND	N/A
Aldicarb Sulfoxide	4.0	ND	ND	ND	ND	N/A
Aldicarb Sulfone	2.0	ND	ND	ND	ND	N/A
Atrazine	3.0	ND	ND	ND	ND	N/A
Carbofuran	40.0	ND	ND	ND	ND	N/A
Chlordane	2.0	ND	ND	ND	ND	N/A
DBCP or 1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND	ND	N/A
2,4-D	50.0	ND	ND	ND	ND	N/A
Endrin	2.0	ND	ND	ND	ND	N/A
1,2- Dibromoethane	0.05	ND	ND	ND	ND	N/A
Heptachlor	0.4	ND	ND	ND	ND	N/A
Heptachlor Epoxide	0.2	ND	ND	ND	ND	N/A
Lindane	0.2	ND	ND	ND	ND	N/A
Methoxychlor	40.0	ND	ND	ND	ND	N/A
Pentachlorophenol	1.0	ND	ND	ND	ND	N/A
Toxaphene	3.0	ND	ND	ND	ND	N/A
2,4,5-TP (Silvex)	10.0	ND	ND	ND	ND	N/A
3-Hydroxycarbofuran	50.0	ND	ND	ND	ND	N/A
Aldrin	5.0	ND	ND	ND	ND	N/A
Benzo (a) pyrene	0.2	ND	ND	ND	ND	N/A
Bis-(2-ethylhexyl) adipate	50.0	ND	ND	ND	ND	N/A
Bis-(2-ethylhexyl) phthalates	6.0	ND	ND	ND	ND	N/A
Butachlor	50.0	ND	ND	ND	ND	N/A
Carbaryl	50.0	ND	ND	ND	ND	N/A
Dalapon	50.0	ND	ND	ND	ND	N/A
Dicamba	50.0	ND	ND	ND	ND	N/A
Dieldrin	5.0	ND	ND	ND	ND	N/A
Dinoseb	7.0	ND	ND	ND	ND	N/A
Diquat	20.0	ND	ND	ND	ND	N/A
Endothall	50.0	ND	ND	ND	ND	N/A
Glyphosate	50.0	ND	ND	ND	ND	N/A
Hexachlorobenzene	1.0	ND	ND	ND	ND	N/A
Hexachlorocyclopentadiene	5.0	ND	ND	ND	ND	N/A
Methomyl	50.0	ND	ND	ND	ND	N/A
Metolachlor	50.0	ND	ND	ND	ND	N/A
Metribuzin	50.0	ND	ND	ND	ND	N/A
Oxamyl	50.0	ND	ND	ND	ND	N/A
Pichloram	50.0	ND	ND	ND	ND	N/A
Propachlor	50.0	ND	ND	ND	ND	N/A
Simazine	4.0	ND	ND	ND	ND	N/A
Total PCB's	0.5	ND	ND	ND	ND	N/A
Dioxin	0.00003	ND	ND	ND	ND	N/A
1,4-Dioxane (p-Dioxane)	1.0	0.34	ND	1.5	0.07	0.04
Perfluorooctanesulfonic acid	10.0 <sup>1</sup>	2.7	ND	ND	ND	ND
Perfluorooctanoic acid	10.0 <sup>1</sup>	4.8	ND	ND	ND	ND

**NOTE:**

ND = NON-DETECT

<sup>1</sup> Units in ng/L or parts per trillion

Well 8 out of service mechanical failure

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Alachlor	2.0	ND	ND	ND	ND	ND	ND
Aldicarb	3.0	ND	ND	ND	ND	ND	ND
Aldicarb Sulfoxide	4.0	ND	ND	ND	ND	ND	ND
Aldicarb Sulfone	2.0	ND	ND	ND	ND	ND	ND
Atrazine	3.0	ND	ND	ND	ND	ND	ND
Carbofuran	40.0	ND	ND	ND	ND	ND	ND
Chlordane	2.0	ND	ND	ND	ND	ND	ND
DBCP or 1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND	ND	ND	ND
2,4-D	50.0	ND	ND	ND	ND	ND	ND
Endrin	2.0	ND	ND	ND	ND	ND	ND
1,2- Dibromoethane	0.05	ND	ND	ND	ND	ND	ND
Heptachlor	0.4	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.2	ND	ND	ND	ND	ND	ND
Lindane	0.2	ND	ND	ND	ND	ND	ND
Methoxychlor	40.0	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.0	ND	ND	ND	ND	ND	ND
Toxaphene	3.0	ND	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	10.0	ND	ND	ND	ND	ND	ND
3-Hydroxycarbofuran	50.0	ND	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.2	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) adipate	50.0	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalates	6.0	ND	ND	ND	ND	ND	ND
Butachlor	50.0	ND	ND	ND	ND	ND	ND
Carbaryl	50.0	ND	ND	ND	ND	ND	ND
Dalapon	50.0	ND	ND	ND	ND	ND	ND
DCPA (Dachtal)	50.0	ND	ND	ND	3.8	9.3	9.6
Dicamba	50.0	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	0.054	ND	ND	ND	ND	ND
Dinoseb	7.0	ND	ND	ND	ND	ND	ND
Diquat	20.0	ND	ND	ND	ND	ND	ND
Endothall	50.0	ND	ND	ND	ND	ND	ND
Glyphosate	50.0	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	1.0	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	ND	ND	ND	ND	ND	ND
Methomyl	50.0	ND	ND	ND	ND	ND	ND
Metolachlor	50.0	ND	ND	ND	ND	ND	ND
Metribuzin	50.0	ND	ND	ND	ND	ND	ND
Oxamyl	50.0	ND	ND	ND	ND	ND	ND
Pichloram	50.0	ND	ND	ND	ND	ND	ND
Propachlor	50.0	ND	ND	ND	ND	ND	ND
Simazine	4.0	ND	ND	ND	ND	ND	ND
Total PCB's	0.5	ND	ND	ND	ND	ND	ND
Dioxin	0.00003	ND	ND	ND	ND	ND	ND
1,4-Dioxane (p-Dioxane)	1.0	0.08	0.13	0.72	0.2	0.19	0.04
Perfluorooctanesulfonic acid	10.0 <sup>1</sup>	3	ND	ND	ND	2.9	ND
Perfluorooctanoic acid	10.0 <sup>1</sup>	8.7	ND	ND	5.6	6.5	3.8

**NOTE:**

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<sup>1</sup> Units in ng/L or parts per trillion

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**2022**

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VOLATILE HALOCARBONS (POC's)	MCL (ug/L)	WELL #2A (ug/L)			WELL #9 (ug/L)			TREATED WELLS 2A & 9 (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	1.20	ND	0.72	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	1.20	ND	0.10
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	10.00	3.80	5.96	1.40	ND	0.16	ND	ND	ND
cis-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	1.10	ND	0.09

**NOTES:**

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities.  
 The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter.  
 Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

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<b>VOLATILE HALOCARBONS (POC's- Continued)</b>	<b>MCL (ug/L)</b>	<b>WELL #2A (ug/L)</b>			<b>WELL #9 (ug/L)</b>			<b>TREATED WELLS 2A &amp; 9 (ug/L)</b>		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	11.00	2.40	7.08	1.70	ND	0.20	ND	ND	ND
Toluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND	ND	ND	ND	2.30	ND	0.19
trans-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	11.10	4.30	6.83	1.50	ND	0.18	ND	ND	ND
Trichlorofluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

**NOTES:**

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VOLATILE HALOCARBONS (POC's)	MCL (ug/L)	WELL #5 (ug/L)			WELL #6 (ug/L)			TREATED WELL #6 (ug/L)			WELL #7 (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	2.40	1.70	2.01	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	0.62	ND	0.32	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**NOTES:**

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities.  
The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter.  
Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.  
Well 6 out of service for treatment upgrades  
ND = NON-DETECT

**WATER AUTHORITY OF GREAT NECK NORTH  
2022 SOURCE TESTING RESULTS**

Supplement to the 2022 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

VOLATILE HALOCARBONS (POC's- Continued)	MCL (ug/L)	WELL #5 (ug/L)			WELL #6 (ug/L)			TREATED WELL #6 (ug/L)			WELL #7 (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	ND	ND	ND	0.95	0.75	0.87	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**NOTES:**

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities.

The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter.

Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

Well 6 out of service for treatment upgrades

ND = NON-DETECT



**WATER AUTHORITY OF GREAT NECK NORTH**

**2022**

**SOURCE TESTING RESULTS**

Supplement to the 2022 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

<b>VOLATILE HALOCARBONS (POC's)</b>	<b>MCL (ug/L)</b>	<b>WELL #8 (ug/L)</b>			<b>TREATED WELL #8 (ug/L)</b>			<b>WELL #10A (ug/L)</b>		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		0.70	ND	0.07	0.68	ND	0.09	ND	ND	ND
Bromoform		2.00	ND	0.20	8.60	ND	2.93	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		0.59	ND	0.06	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	1.60	ND	0.75	ND	ND	ND

**NOTES:**

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities.

The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter.

Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

ND = NON-DETECT

**WATER AUTHORITY OF GREAT NECK NORTH  
2022 SOURCE TESTING RESULTS**

Supplement to the 2022 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

<b>VOLATILE HALOCARBONS (POC's- Continued)</b>	<b>MCL (ug/L)</b>	<b>WELL #8 (ug/L)</b>			<b>TREATED WELL #8 (ug/L)</b>			<b>WELL #10A (ug/L)</b>		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	0.61	ND	0.12	0.71	ND	0.09	ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	5.0	2.70	ND	0.63	4.20	ND	0.53	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	0.60	ND	0.33	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	0.92	ND	0.18	2.00	ND	0.25	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	10.80	6.80	8.71	ND	ND	ND	ND	ND	ND
Toluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND	10.20	ND	7.86	ND	ND	ND
trans-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

**NOTES:**

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities.  
The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter.  
Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

ND = NON-DETECT

**WATER AUTHORITY OF GREAT NECK NORTH**

**2022**

**SOURCE TESTING RESULTS**

Supplement to the 2022 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

<b>VOLATILE HALOCARBONS (POC's)</b>	<b>MCL (ug/L)</b>	<b>WELL #11A (ug/L)</b>			<b>WELL #12 (ug/L)</b>			<b>WELL #13 (ug/L)</b>		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	ND	ND	ND	0.53	ND	0.09	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	0.74	0.50	0.59	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	5.0	ND	ND	ND	0.77	ND	0.27	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND	11.90	ND	3.67	5.50	ND	0.58
cis-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND

**NOTES:**

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities. The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter. Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

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**WATER AUTHORITY OF GREAT NECK NORTH  
2022 SOURCE TESTING RESULTS**

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<b>VOLATILE HALOCARBONS (POC's- Continued)</b>	<b>MCL (ug/L)</b>	<b>WELL #11A (ug/L)</b>			<b>WELL #12 (ug/L)</b>			<b>WELL #13 (ug/L)</b>		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	2.50	0.76	1.34	2.10	ND	0.69	0.94	ND	0.08
Toluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	ND	ND	ND	3.00	ND	1.00	1.40	ND	0.12
Trichlorofluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

**NOTES:**

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities.  
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**WATER AUTHORITY OF GREAT NECK NORTH**

2022

**SOURCE TESTING RESULTS**

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VOLATILE HALOCARBONS (POC's)	MCL (ug/L)	WELL #14 (ug/L)			TREATED WELLS 12, 13 & 14					
					AIR STRIPPER - A (ug/L)			AIR STRIPPER - B (ug/L)		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
1,1,1,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	0.53	ND	0.04	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	0.95	ND	0.12	1.60	ND	0.42
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	5.0	0.51	ND	0.04	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	11.40	ND	3.30	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane		ND	ND	ND	0.51	ND	0.04	0.91	ND	0.12

**NOTES:**

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities. The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter. Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

ND = NON-DETECT

**WATER AUTHORITY OF GREAT NECK NORTH  
2022 SOURCE TESTING RESULTS**

Supplement to the 2022 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

<b>VOLATILE HALOCARBONS (POC's- Continued)</b>	<b>MCL (ug/L)</b>	<b>WELL #14 (ug/L)</b>			<b>TREATED WELLS 12, 13 &amp; 14</b>					
					<b>AIR STRIPPER - A (ug/L)</b>			<b>AIR STRIPPER - B (ug/L)</b>		
		HIGH	LOW	AVG	HIGH	LOW	AVG	HIGH	LOW	AVG
Dibromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	1.90	ND	0.70	ND	ND	ND	ND	ND	ND
Toluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND	1.49	ND	0.15	2.51	ND	0.53
trans-1,2-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	2.90	ND	0.92	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

**NOTES:**

The elevated levels of Tetrachloroethene are removed by air stripping at our Water Mill Lane and Weybridge pumping facilities.  
The volatile organic chemicals are tested quarterly at each well except when a well has not been used during the respective quarter.  
Volatile organic chemicals will be sampled at least once per year regardless if a well is used or not. Wells #2A, #6, #8, #9, #12, #13 and #14 raw water and treated water are tested for organic chemicals on a monthly basis when in service during the respective month.

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**WATER AUTHORITY OF GREAT NECK NORTH  
2022 SOURCE TESTING RESULTS**

Supplement to the 2022 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

<b>CHLORIDES</b>	<b>HIGH</b>	<b>LOW</b>	<b>AVG</b>
WELL # 2A	62.0	21.5	43.7
WELL # 5	127.0	53.3	94.8
WELL # 6	39.5	32.7	36.5
WELL # 7	31.0	10.0	24.2
WELL # 8	70.9	64.2	67.2
WELL # 9	92.8	59.8	79.3
WELL # 10A	27.7	19.4	23.9
WELL # 11A	10.9	7.9	9.3
WELL # 12	54.9	22.5	39.2
WELL # 13	109.0	63.1	91.7
WELL # 14	60.7	6.7	27.0

**WATER AUTHORITY OF GREAT NECK NORTH  
2022 SOURCE TESTING RESULTS FOR RADIONUCLIDES**

Supplement to the 2022 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code.  
Samples were taken during the 1/1/2020 - 12/31/2022 sampling period.

<b>ANALYSIS CATEGORY</b>	<b>MCL (pCi/L)</b>	<b>WELL #2A (pCi/L)</b>	<b>WELL #5 (pCi/L)</b>	<b>WELL #6 (pCi/L)</b>	<b>WELL #7 (pCi/L)</b>	<b>WELL #8 (pCi/L)</b>	<b>WELL #9 (pCi/L)</b>	<b>WELL #10A (pCi/L)</b>	<b>WELL #11A (pCi/L)</b>	<b>WELL #12 (pCi/L)</b>	<b>WELL #13 (pCi/L)</b>	<b>WELL #14 (pCi/L)</b>
Gross Alpha	15.0	0.541	1.08	-0.383	-0.457	OOS	1.29	0.316	0.027	0.113	1.410	0.467
Gross Beta	4.0	0.976	1.61	2.23	0.297	OOS	1.35	2.02	0.762	1.190	2.250	1.000
Radium 226	5.0 (Combined Radium 226/228)	0.265	0.285	0.82	0.229	OOS	0.153	0.209	0.481	0.142	0.0701	0.445
Radium 228		0.627	0.63	0.557	0.0228	OOS	1.12	1.46	1.150	1.400	0.744	0.666

**NOTES REFLECTING THE NASSAU COUNTY DEPARTMENT OF HEALTH MONITORING REQUIREMENTS REGARDING RADIONUCLIDES:**

**Gross Alpha particle activity measurement may be substituted for:**

- \* Radium - 226 if Gross Alpha is less than or equal to 5 pCi/L.
- \* Uranium if Gross Alpha is less than or equal to 15 pCi/L.

**Gross Alpha Substitution for Determining Monitoring Frequency**

1. If the reported Gross Alpha result is less than 3 pCi/L, substitute one half the reported Gross Alpha result for the Ra-226 and /or Uranium value.
2. If the reported Gross Alpha result is greater than or equal to 3 pCi/L, use the reported Gross Alpha result for the Ra-226 and /or Uranium value.
3. If the reported Gross Alpha result is reported as a negative value, use zero (0) reported Gross Alpha result for the Ra-226 and/or Uranium value.

**Gross Alpha Substitution for Determining Monitoring Frequency**

1. **Gross Alpha** - If the reported Gross Alpha result is less than 3 pCi/L, use zero as a result for the Gross Alpha value.
2. **Ra-226** - If the reported Ra-226 value is less than 1 pCi/L, use zero as a result for the Ra-226 value.
3. **Ra-228** - If the reported Ra-228 value is less than 1 pCi/L, use zero as a result for the Ra-228 value.
4. **Uranium** - If the reported Uranium value is less than 1 ug/L, use zero as a result for the Uranium value.

Nassau County Health Department Monitoring Requirements state that 1 sample per well must be taken every 3 years when the monitoring results are less than or equal to the MCL. The monitoring period for 3 years is 1/1/2017 - 12/31/2019. Quarterly Sampling shall be conducted at each well when the monitoring results are above the MCL. A MCL violation is based on a running annual average of 4 consecutive quarters. A well can revert to a 3-year cycle once 4 consecutive quarters of monitoring are completed and all sample results are below the MCL.

Next 3 year period for Radionuclide Sampling is expected to be 1/1/2020 - 12/31/2022.



**WATER AUTHORITY OF GREAT NECK NORTH  
2022 DISTRIBUTION SYSTEM TESTING RESULTS**

Supplement to the 2022 Annual Drinking Water Quality Report as required by part #5 of the New York State Sanitary Code

<b>PHYSICAL (PHY. 1)</b>						<b>VOLATILE HALOCARBONS (POC's)</b>						<b>VOLATILE HALOCARBONS (POC'S)</b>						
	MCL	MAX	MIN	AVG	No. FQ.		MCL	MAX	MIN	AVG	No. FQ.		MCL	MAX	MIN	AVG	No. FQ.	
						(ug/L)	(ug/L)	(ug/L)	(ug/L)			(ug/L)	(ug/L)	(ug/L)	(ug/L)			
Turbidity	*				4 SA	1,1,1,2-Tetrachloroethane	5	ND	ND	ND	4 SA	n-Butylbenzene	5	ND	ND	ND	4 SA	
Color	*				4 SA	1,1,1-Trichloroethane	5	ND	ND	ND	4 SA	n-Propylbenzene	5	ND	ND	ND	4 SA	
Odor	*				4 SA	1,1,2-Tetrachloroethane	5	ND	ND	ND	4 SA	o-Xylene	5	ND	ND	ND	4 SA	
Temperature (°C)					4 SA	1,1,2-Trichloroethane	5	ND	ND	ND	4 SA	p-Isopropyltoluene	5	ND	ND	ND	4 SA	
* Standard and Results are Measured in UNITS						1,1,2-Trichlorotrifluoroethane	5	ND	ND	ND	4 SA	sec-Butylbenzene	5	ND	ND	ND	4 SA	
<b>CORROSIVITY (COR. 1)</b>						1,1-Dichloroethane	5	ND	ND	ND	4 SA	Styrene	5	ND	ND	ND	4 SA	
	MCL	MAX	MIN	AVG	No. FQ.	1,1-Dichloroethene	5	ND	ND	ND	4 SA	tert-Butylbenzene	5	ND	ND	ND	4 SA	
	(mg/L)	(mg/L)	(mg/L)	(mg/L)		1,1-Dichloropropene	5	ND	ND	ND	4 SA	Tetrachloroethene	5	ND	ND	ND	4 SA	
Calcium Hardness	81.2	59.7	66.45	4 SA	1,2,3-Trichlorobenzene	5	ND	ND	ND	4 SA	Toluene	5	ND	ND	ND	4 SA		
Langelier Index	-1.04	-0.47	-0.6525	4 SA	1,2,3-Trichloropropane	5	ND	ND	ND	4 SA	trans-1,2-Dichloroethene	5	ND	ND	ND	4 SA		
pH	7.9	7.5	7.6	4 SA	1,2,4-Trichlorobenzene	5	ND	ND	ND	4 SA	trans-1,3-Dichloropropene	5	ND	ND	ND	4 SA		
Total Alkalinity	84.4	60.4	67.4	4 SA	1,2,4-Trimethylbenzene	5	ND	ND	ND	4 SA	Trichloroethene	5	ND	ND	ND	4 SA		
Total Dissolved Solids	242	172	215.75	4 SA	1,2-Dichlorobenzene	5	ND	ND	ND	4 SA	Trichlorofluoromethane	5	ND	ND	ND	4 SA		
Total Hardness	143	113	123.5	4 SA	1,2-Dichloroethane	5	ND	ND	ND	4 SA	Vinyl chloride	2	ND	ND	ND	4 SA		
<b>DISINFECTION BY-PRODUCTS</b>						1,2-Dichloropropane	5	ND	ND	ND	4 SA	<b>INORGANIC (IOC. 1,2)</b>						
	MCL	MAX	MIN	AVG	No. FQ.	1,3,5-Trimethylbenzene	5	ND	ND	ND	4 SA		MCL	MAX	MIN	AVG	No. FQ.	
	(ug/L)	(ug/L)	(ug/L)	(ug/L)		1,3-Dichlorobenzene	5	ND	ND	ND	4 SA	(mg/L)	(mg/L)	(mg/L)	(mg/L)			
Total Trihalomethane	1.8	ND	1.08	6 A	1,3-Dichloropropane	5	ND	ND	ND	4 SA	Antimony	0.006	ND	ND	ND	4 A		
Five Haloacetic Acid	ND	ND	ND	2 A	1,4-Dichlorobenzene	5	ND	ND	ND	4 SA	Arsenic	0.01	ND	ND	ND	4 A		
<b>MICROBIOLOGICAL (MIC.)</b>						2,2-Dichloropropane	5	ND	ND	ND	4 SA	Barium	2	0.032	0.015	0.2125	4 A	
	MCL = Non Detect						2-Chlorotoluene	5	ND	ND	ND	4 SA	Beryllium	0.004	ND	ND	ND	4 A
In 2022, 384 samples were tested. There were no positive Total Coliform samples.						4-Chlorotoluene	5	ND	ND	ND	4 SA	Cadmium	0.005	ND	ND	ND	4 A	
<b>NOTES:</b>						Benzene	5	ND	ND	ND	4 SA	Calcium	N/A	32.5	23.9	26.6	4 A	
<b>Sodium:</b> The New York State Department of Health recommends that Sodium not exceed 20mg/L for severely restricted sodium diets and 270 mg/L for moderately restricted sodium diets.						Bromobenzene	5	ND	ND	ND	4 SA	Chloride	250	60.7	39	50.225	4 A	
<b>Perchlorate:</b> The primary Action Level is 18 ppb. The Secondary Action Level is 5bbp.						Bromochloromethane	5	ND	ND	ND	4 SA	Chromium	0.1	ND	ND	ND	4 A	
						Bromodichloromethane	ND	ND	ND	6 SA	Copper	1.3	0.021	0.003	0.0111	4 A		
						Bromoform	1.0	ND	0.61	6 SA	Fluoride	2.2	0.11	ND	0.0275	4 A		
						Bromomethane	5	ND	ND	ND	4 SA	Free Cyanide	0.2	ND	ND	ND	4 A	
						Carbon tetrachloride	5	ND	ND	ND	4 SA	Iron	0.3	ND	ND	ND	4 A	
						Chlorobenzene	5	ND	ND	ND	4 SA	Lead	0.015	ND	ND	ND	4 A	
						Chlorodifluoromethane	5	ND	ND	ND	4 SA	Magnesium	N/A	15	12.5	13.825	4 A	
						Chloroethane	5	ND	ND	ND	4 SA	Manganese	0.3	ND	ND	ND	4 A	
						Chloroform	ND	ND	ND	6 SA	MBAS	N/A	ND	ND	ND	4 A		
						Chloromethane	5	ND	ND	ND	4 SA	Mercury	0.002	ND	ND	ND	4 A	
						cis-1,2-Dichloroethene	5	ND	ND	ND	4 SA	Nickel	N/A	0.00054	ND	0.00014	4 A	
						cis-1,3-Dichloropropene	5	ND	ND	ND	4 SA	Selenium	0.05	ND	ND	ND	4 A	
						Dibromochloromethane	0.8	ND	0.47	6 SA	Silver	0.1	ND	ND	ND	4 A		
						Dibromomethane	5	ND	ND	ND	4 SA	Sodium	See Notes	29.6	20.7	24.625	4 A	
						Dichlorodifluoromethane	5	ND	ND	ND	4 SA	Sulfate	250	29.3	22.3	24.85	4 A	
						Ethylbenzene	5	ND	ND	ND	4 SA	Thallium	0.002	ND	ND	ND	4 A	
						Hexachloro-1,3-butadiene	5	ND	ND	ND	4 SA	Zinc	5	ND	ND	ND	4 A	
						Isopropylbenzene	5	ND	ND	ND	4 SA	Ammonia	N/A	ND	ND	ND	4 A	
						m&p-Xylene	5	ND	ND	ND	4 SA	Nitrates	10	2.5	1.9	2.1	4 SA	
						Methylene chloride	5	ND	ND	ND	4 SA	Nitrites	1	ND	ND	ND	4 SA	
						Methyl-tert-butyl ether	10	ND	ND	ND	4 SA	Perchlorate	See Notes	ND	ND	ND	4 A	

**SYMBOLS USED IN THIS REPORT**

FQ.	Frequency
MCL	Maximum Allowable Contaminant Level
N/A	Not Applicable
ND	Non Detect
No.	Number of sample tested
SA	Semi Annually
ug/L	Micrograms per Liter (parts per billion)
mg/L	Milligrams per Liter (parts per million)