

**WATER AUTHORITY OF GREAT NECK NORTH
2021 SOURCE TESTING RESULTS**

Supplement to the 2021 Annual Drinking Water Quality Report as required by part #5 of the New York State Sanitary Code

PHYSICAL (PHY.1)	MCL (UNITS)	WELL #2A	WELL #5	WELL #6*	WELL #7	WELL #8
Turbidity	5	ND	2	OOS	ND	ND
Color	15	ND	ND	OOS	ND	ND
Odor	3	ND	ND	OOS	ND	ND
Temperature	Deg. C.	16	17	OOS	17	18
INORGANIC (IOC. 1,2,3)	MCL (mg/L)	WELL #2A (mg/L)	WELL #5 (mg/L)	WELL #6 (mg/L)	WELL #7 (mg/L)	WELL #8 (mg/L)
Antimony	0.006	ND	ND	OOS	ND	ND
Arsenic	0.010	ND	ND	OOS	ND	ND
Barium	2.0	0.026	0.048	OOS	0.013	0.06
Beryllium	0.004	ND	ND	OOS	ND	ND
Cadmium	0.005	ND	ND	OOS	ND	ND
Calcium	N/A	20.1	33.3	OOS	30.2	41.5
Chloride	250	55.1	94.9	OOS	30.1	70.4
Chromium	0.10	ND	ND	OOS	ND	ND
Copper	1.3	ND	0.0058	OOS	0.0066	0.0063
Fluoride	2.2	ND	0.1	OOS	ND	ND
Free Cyanide	0.2	ND	ND	OOS	ND	ND
Iron	0.3	ND	0.14	OOS	0.053	0.19
Lead	0.015	ND	ND	OOS	ND	ND
Magnesium	N/A	10.8	15.1	OOS	14.1	22.6
Manganese	0.3	ND	0.012	OOS	ND	ND
MBAS	N/A	ND	ND	OOS	ND	ND
Mercury	0.002	ND	ND	OOS	ND	ND
Nickel	N/A	0.0021	ND	OOS	ND	0.00084
Selenium	0.05	ND	ND	OOS	ND	ND
Silver	0.1	ND	ND	OOS	ND	ND
Sodium	See Notes	17.2	21.7	OOS	18.4	21.9
Sulfate	250	26.2	13.3	OOS	26.7	46.7
Thallium	0.002	ND	ND	OOS	ND	ND
Zinc	5.0	ND	ND	OOS	ND	ND
Ammonia	N/A	ND	ND	OOS	ND	ND
Nitrates	10	2.8	0.15	OOS	1.1	3.5
Nitrites	1	ND	ND	OOS	ND	ND
Perchlorate	See Notes	2.6	ND	OOS	ND	ND
CORROSIVITY (COR.1)						
Calcium Hardness		50.2	83.2	OOS	75.4	104
Langelier Index		-1.89	-1.8	OOS	-1.6	-1.46
PH		6.3	6.4	OOS	6.4	6.2
Total Alkalinity		62.9	47.2	OOS	78.4	59.5
Dissolved Solids		180	286	OOS	196	254
Total Hardness		94.7	145	OOS	133	197

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.

***Well 6 OUT OF SERVICE FOR TREATMENT UPGRADES**

ND = NON-DETECT OOS = OUT OF SERVICE

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PHYSICAL (PHY.1)	MCL (UNITS)	WELL #9	WELL #10A	WELL #11A	WELL #12	WELL #13	WELL #14
Turbidity	5	ND	ND	1.2	ND	ND	ND
Color	15	ND	ND	ND	ND	ND	ND
Odor	3	ND	ND	ND	ND	ND	ND
Temperature	Deg. C.	18	14	14	14	14	14
INORGANIC (IOC. 1,2,3)	MCL (mg/L)	WELL #9 (mg/L)	WELL #10A (mg/L)	WELL #11A (mg/L)	WELL #12 (mg/L)	WELL #13 (mg/L)	WELL #14 (mg/L)
Antimony	0.006	ND	ND	ND	ND	ND	ND
Arsenic	0.010	ND	ND	ND	ND	ND	ND
Barium	2.0	0.037	0.018	0.019	0.086	0.011	0.017
Beryllium	0.004	ND	ND	ND	ND	ND	ND
Cadmium	0.005	ND	ND	ND	ND	ND	ND
Calcium	N/A	29.9	17.9	15.8	18.7	32.2	24.4
Chloride	250	89.2	28	9.3	62.8	95.2	70.2
Chromium	0.10	ND	ND	ND	ND	ND	ND
Copper	1.3	0.029	0.0022	ND	0.0058	0.0028	0.0044
Fluoride	2.2	ND	ND	ND	ND	ND	ND
Free Cyanide	0.2	ND	ND	ND	ND	ND	ND
Iron	0.3	0.023	ND	ND	ND	ND	ND
Lead	0.015	ND	ND	ND	ND	ND	ND
Magnesium	N/A	14.5	10.7	8.3	12.1	19.1	14.9
Manganese	0.3	ND	ND	ND	ND	ND	ND
MBAS	N/A	ND	ND	ND	ND	ND	ND
Mercury	0.002	ND	ND	ND	ND	ND	ND
Nickel	N/A	0.00057	ND	ND	ND	0.00073	0.00075
Selenium	0.05	ND	ND	ND	ND	ND	ND
Silver	0.1	ND	ND	ND	ND	ND	ND
Sodium	See Notes	30.8	10.5	6	14.3	26.6	19.1
Sulfate	250	35.3	21.8	17.9	11.6	22.1	26
Thallium	0.002	ND	ND	ND	ND	ND	ND
Zinc	5.0	0.026	ND	ND	ND	0.02	0.04
Ammonia	N/A	ND	ND	ND	ND	ND	ND
Nitrates	10	2.2	1.9	0.97	2.5	2.4	2.8
Nitrites	1	ND	ND	ND	ND	ND	ND
Perchlorate	See Notes	ND	ND	ND	ND	ND	ND
CORROSIVITY (COR.1)							
Calcium Hardness		74.7	44.7	39.5	46.7	80.4	60.9
Langelier Index		-1.67	-2.14	-2.11	-2.13	-1.72	-1.84
PH		6.6	6.1	6.2	6.2	6.4	6.4
Total Alkalinity		78	54.7	51.6	42.9	66.4	65.3
Disssolved Solids		288	110	88	127	246	184
Total Hardness		134	88.8	73.6	96.5	159	122

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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PESTICIDES AND HERBICIDES (SOC. 1,2)	MCL (ug/L)	WELL #2A (ug/L)	WELL #5 (ug/L)	WELL #6* (ug/L)	WELL #7 (ug/L)	WELL #8 (ug/L)
Alachlor	2.0	ND	ND	OOS	ND	ND
Aldicarb	3.0	ND	ND	OOS	ND	ND
Aldicarb Sulfoxide	4.0	ND	ND	OOS	ND	ND
Aldicarb Sulfone	2.0	ND	ND	OOS	ND	ND
Atrazine	3.0	ND	ND	OOS	ND	ND
Carbofuran	40.0	ND	ND	OOS	ND	ND
Chlordane	2.0	ND	ND	OOS	ND	ND
DBCP or 1,2-Dibromo-3-chloropropane	0.2	ND	ND	OOS	ND	ND
2,4-D	50.0	ND	ND	OOS	ND	ND
Endrin	2.0	ND	ND	OOS	ND	ND
1,2- Dibromoethane	0.05	ND	ND	OOS	ND	ND
Heptachlor	0.4	ND	ND	OOS	ND	ND
Heptachlor Expoxide	0.2	ND	ND	OOS	ND	ND
Lindane	0.2	ND	ND	OOS	ND	ND
Methoxychlor	40.0	ND	ND	OOS	ND	ND
Pentachlorophenol	1.0	ND	ND	OOS	ND	ND
Toxaphene	3.0	ND	ND	OOS	ND	ND
2,4,5-TP (Silvex)	10.0	ND	ND	OOS	ND	ND
3-Hydroxycarbofuran	50.0	ND	ND	OOS	ND	ND
Aldrin	5.0	ND	ND	OOS	ND	ND
Benzo (a) pyrene	0.2	ND	ND	OOS	ND	ND
Bis-(2-ethylhexyl) adipate	50.0	ND	ND	OOS	ND	ND
Bis-(2-ethylhexyl) phthalates	6.0	ND	ND	OOS	ND	ND
Butachlor	50.0	ND	ND	OOS	ND	ND
Carbaryl	50.0	ND	ND	OOS	ND	ND
Dalapon	50.0	ND	ND	OOS	ND	ND
Dicamba	50.0	ND	ND	OOS	ND	ND
Dieldrin	5.0	ND	ND	OOS	ND	ND
Dinoseb	7.0	ND	ND	OOS	ND	ND
Diquat	20.0	ND	ND	OOS	ND	ND
Endothall	50.0	ND	ND	OOS	ND	ND
Glyphosate	50.0	ND	ND	OOS	ND	ND
Hexachlorobenzene	1.0	ND	ND	OOS	ND	ND
Hexachlorocyclopentadiene	5.0	ND	ND	OOS	ND	ND
Methomyl	50.0	ND	ND	OOS	ND	ND
Metolachlor	50.0	ND	ND	OOS	ND	ND
Metribuzin	50.0	ND	ND	OOS	ND	ND
Oxamyl	50.0	ND	ND	OOS	ND	ND
Pichloram	50.0	ND	ND	OOS	ND	ND
Propachlor	50.0	ND	ND	OOS	ND	ND
Simazine	4.0	ND	ND	OOS	ND	ND
Total PCB's	0.5	ND	ND	OOS	ND	ND
Dioxin	0.00003	ND	ND	OOS	ND	ND
1,4-Dioxane (p-Dioxane)	1.0	0.29	ND	OOS	0.071	0.045
Perfluorooctanesulfonic acid	10.0 ¹	2.1	ND	OOS	ND	ND
Perfluorooctanoic acid	10.0 ¹	4.2	ND	OOS	ND	ND

NOTE:

ND = NON-DETECT

OOS = OUT OF SERVICE

¹ Units in ng/L or parts per trillion

***WELL 6 OUT OF SERVICE FOR TREATMENT UPGRADES**

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PESTICIDES AND HERBICIDES (SOC. 1,2)	MCL (ug/L)	WELL #9 (ug/L)	WELL #10A (ug/L)	WELL #11A (ug/L)	WELL #12 (ug/L)	WELL #13 (ug/L)	WELL #14 (ug/L)
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 Expoxide	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	7.8	7.4	7.6
Dicamba	50.0	ND	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	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	0.028	0.13	0.54	0.13	0.16	0.049
Perfluorooctanesulfonic acid	10.0 ¹	2.5	ND	ND	ND	2.5	ND
Perfluorooctanoic acid	10.0 ¹	8.1	ND	ND	2.8	2.8	5.4

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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	0.57	ND	0.23	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	0.18
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	0.57	ND	0.05	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	0.98	ND	0.07	ND	ND	ND
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	4.40	2.70	3.88	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	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

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VOLATILE HALOCARBONS (POC's- Continued)	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
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	8.30	3.50	6.43	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	ND	ND	ND	1.60	ND	0.23
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	5.10	3.40	4.47	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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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		OOS			OOS		ND	ND	ND
1,1,1-Trichloroethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,1,2-Trichloroethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,1,2-Trichlorotrifluoroethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,1-Dichloropropene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,2,3-Trichlorobenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,2,3-Trichloropropane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,2,4-Trichlorobenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,2,4-Trimethylbenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,2-Dichlorobenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,2-Dichloroethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,2-Dichloropropane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,3,5-Trimethylbenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,3-Dichlorobenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,3-Dichloropropane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
1,4-Dichlorobenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
2,2-Dichloropropane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
2-Chlorotoluene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
4-Chlorotoluene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Benzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Bromobenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Bromochloromethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Bromodichloromethane		ND	ND	ND		OOS			OOS		ND	ND	ND
Bromoform		ND	ND	ND		OOS			OOS		ND	ND	ND
Bromomethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Carbon tetrachloride	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Chlorobenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Chlorodifluoromethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Chloroethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Chloroform		ND	ND	ND		OOS			OOS		ND	ND	ND
Chloromethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
cis-1,3-Dichloropropene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Dibromochloromethane		ND	ND	ND		OOS			OOS		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
OOS = OUT OF SERVICE

**WATER AUTHORITY OF GREAT NECK NORTH
2021 SOURCE TESTING RESULTS**

Supplement to the 2021 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		OOS			OOS		ND	ND	ND
Dichlorodifluoromethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Ethylbenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Hexachloro-1,3-butadiene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Isopropylbenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
m&p-Xylene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Methylene chloride	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Methyl-tert-butyl ether	10.0	ND	ND	ND		OOS			OOS		ND	ND	ND
n-Butylbenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
n-Propylbenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
o-Xylene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
p-Isopropyltoluene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
sec-Butylbenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Styrene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
tert-Butylbenzene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Tetrachloroethene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Toluene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Total Trihalomethanes	80.0	ND	ND	ND		OOS			OOS		ND	ND	ND
trans-1,2-Dichloroethene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
trans-1,3-Dichloropropene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Trichloroethene	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Trichlorofluoromethane	5.0	ND	ND	ND		OOS			OOS		ND	ND	ND
Vinyl chloride	2.0	ND	ND	ND		OOS			OOS		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

OOS = OUT OF SERVICE

**WATER AUTHORITY OF GREAT NECK NORTH
2021 SOURCE TESTING RESULTS**

Supplement to the 2021 Annual Drinking Water Quality Report as required by part #5 of the New York State Sanitary Code

VOLATILE HALOCARBONS (POC's)	MCL (ug/L)	WELL #8 (ug/L)			TREATED WELL #8 (ug/L)			WELL #10A (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	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		ND	ND	ND	0.77	ND	0.26	ND	ND	ND
Bromoform		ND	ND	ND	4.80	ND	3.03	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		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	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	2.10	ND	0.88	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
2021 SOURCE TESTING RESULTS**

Supplement to the 2021 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 #8 (ug/L)			TREATED WELL #8 (ug/L)			WELL #10A (ug/L)		
		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	1.60	ND	0.53	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	0.91	ND	0.30	4.40	ND	1.47	ND	ND	ND
Methylene chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	10.0	0.53	ND	0.35	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	2.70	ND	0.90	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	10.10	8.20	8.63	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	7.10	ND	4.17	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.

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**WATER AUTHORITY OF GREAT NECK NORTH
2021 SOURCE TESTING RESULTS**

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VOLATILE HALOCARBONS (POC's)	MCL (ug/L)	WELL #11A (ug/L)			WELL #12 (ug/L)			WELL #13 (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	ND	ND	ND	0.56	ND	0.10	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	0.63	ND	0.44	0.53	ND	0.10	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	0.94	ND	0.55	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	9.80	ND	5.27	4.10	ND	1.04
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
2021 SOURCE TESTING RESULTS**

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VOLATILE HALOCARBONS (POC's- Continued)	MCL (ug/L)	WELL #11A (ug/L)			WELL #12 (ug/L)			WELL #13 (ug/L)		
		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	0.81	0.51	0.68	2.40	ND	0.93	0.87	ND	0.20
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	2.90	ND	1.52	1.10	ND	0.27
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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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
2021 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	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		ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	1.90	ND	0.46	1.80	ND	0.46
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	8.40	ND	4.38	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	0.59	ND	0.09	0.86	ND	0.08

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
2021 SOURCE TESTING RESULTS**

Supplement to the 2020 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 #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
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	2.10	ND	0.75	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	1.90	ND	0.55	2.70	ND	0.54
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	2.40	ND	0.95	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
2021 SOURCE TESTING RESULTS**

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CHLORIDES	HIGH	LOW	AVG
WELL # 2A	55.0	46.0	49.4
WELL # 5	95.0	42.0	82.6
WELL # 6*	Out of Service	Out of Service	Out of Service
WELL # 7	30.0	11.0	25.4
WELL # 8	70.0	60.0	66.2
WELL # 9	89.0	59.0	75.7
WELL # 10A	28.0	17.0	22.8
WELL # 11A	9.0	8.0	8.8
WELL # 12	63.0	23.0	38.7
WELL # 13	95.0	56.0	78.2
WELL # 14	70.0	7.0	36.1

*** Well 6 OUT OF SERVICE FOR TREATMENT UPGRADES**

**WATER AUTHORITY OF GREAT NECK NORTH
2021 SOURCE TESTING RESULTS FOR RADIONUCLIDES***

Supplement to the 2021 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code.

*Samples were taken during the 1/1/2017 - 12/31/2019 sampling period.

ANALYSIS CATEGORY	MCL (pCi/L)	WELL #2A (pCi/L)	WELL #5 (pCi/L)	WELL #6 (pCi/L)	WELL #7 (pCi/L)	WELL #8 (pCi/L)	WELL #9 (pCi/L)	WELL #10A (pCi/L)	WELL #11A (pCi/L)	WELL #12 (pCi/L)	WELL #13 (pCi/L)	WELL #14 (pCi/L)
Gross Alpha	15.0	0.891	0.402	1.86	0.028	0.8	0.411	0.893	0.539	1.02	0.134	0.929
Gross Beta	4.0	0.999	1.09	1.68	2.9	1.83	2.99	2.27	0.657	1.65	2.85	1.27
Radium 226	5.0 (Combined Radium 226/228)	0.554	0.585	0.571	0.257	0.112	0.187	0.158	0.0798	0.367	0.521	0.623
Radium 228		0.33	1.23	0.586	1.5	-0.138	0.41	0.942	0.832	0.381	0.369	0.594

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.

*Samples were taken during the 1/1/2017 - 12/31/2019 sampling period.

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

**WATER AUTHORITY OF GREAT NECK NORTH
2021 DISTRIBUTION SYSTEM TESTING RESULTS**

Supplement to the 2021 Annual Drinking Water Quality Report as required by part #5 of the New York State Sanitary Code

PHYSICAL (PHY. 1)							VOLATILE HALOCARBONS (POC'S)							VOLATILE HALOCARBONS (POC'S)						
	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)			(ug/L)	(ug/L)	(ug/L)	(ug/L)				
Turbidity	* 5	ND	ND	ND	4	SA	1,1,1,2-Tetrachloroethane	5	ND	ND	ND	4	SA	n-Butylbenzene	5	ND	ND	ND	4	SA
Color	* 15	ND	ND	ND	4	SA	1,1,1-Trichloroethane	5	ND	ND	ND	4	SA	n-Propylbenzene	5	ND	ND	ND	4	SA
Odor	* 3	ND	ND	ND	4	SA	1,1,2-Tetrachloroethane	5	ND	ND	ND	4	SA	o-Xylene	5	ND	ND	ND	4	SA
Temperature (°C)	N/A	17	14	16	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
CORROSIVITY (COR. 1)							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	N/A	67.7	40	56.56	5	SA	1,2,3-Trichlorobenzene	5	ND	ND	ND	4	SA	Toluene	5	ND	ND	ND	4	SA
Langelier Index	N/A	-0.85	-0.66	-0.775	4	SA	1,2,3-Trichloropropane	5	ND	ND	ND	4	SA	trans-1,2-Dichloroethene	5	ND	ND	ND	4	SA
pH	N/A	7.6	6.5	7.0	4	SA	1,2,4-Trichlorobenzene	5	ND	ND	ND	4	SA	trans-1,3-Dichloropropene	5	ND	ND	ND	4	SA
Total Alkalinity	N/A	71.4	60.8	67.5	4	SA	1,2,4-Trimethylbenzene	5	ND	ND	ND	4	SA	Trichloroethene	5	ND	ND	ND	4	SA
Total Dissolved Solids	N/A	226	104	178	4	SA	1,2-Dichlorobenzene	5	ND	ND	ND	4	SA	Trichlorofluoromethane	5	ND	ND	ND	4	SA
Total Hardness	N/A	125	72	106.44	4	SA	1,2-Dichloroethane	5	ND	ND	ND	4	SA	Vinyl chloride	2	ND	ND	ND	4	SA
DISINFECTION BY-PRODUCTS							1,2-Dichloropropane	5	ND	ND	ND	4	SA	INORGANIC (IOC.1,2)						
	MCL	MAX	MIN	AVG	No.	FQ.	1,3,5-Trimethylbenzene	5	ND	ND	ND	4	SA	(mg/L)	MAX	MIN	AVG	No.	FQ.	
	(ug/L)	(ug/L)	(ug/L)	(ug/L)			1,3-Dichlorobenzene	5	ND	ND	ND	4	SA	Antimony	0.006	ND	ND	ND	5	A
Total Trihalomethane	80	2.3	ND	0.98	6	A	1,3-Dichloropropane	5	ND	ND	ND	4	SA	Arsenic	0.01	ND	ND	ND	5	A
Five Haloacetic Acid	60	ND	ND	ND	2	A	1,4-Dichlorobenzene	5	ND	ND	ND	4	SA	Barium	2	0.027	0.014	0.019	5	A
MICROBIOLOGICAL (MIC.)							2,2-Dichloropropane	5	ND	ND	ND	4	SA	Beryllium	0.004	ND	ND	ND	5	A
MCL = Non Detect							2-Chlorotoluene	5	ND	ND	ND	4	SA	Cadmium	0.005	ND	ND	ND	5	A
In 2021, 384 samples were tested. There were no positive Total Coliform samples.							4-Chlorotoluene	5	ND	ND	ND	4	SA	Calcium	N/A	27.1	16	22.64	5	A
NOTES:							Benzene	5	ND	ND	ND	4	SA	Chloride	250	53.6	9.1	36.05	5	A
Sodium: 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	Chromium	0.1	ND	ND	ND	5	A
Perchlorate: The primary Action Level is 18 ppb. The Secondary Action Level is 5bbp.							Bromochloromethane	5	ND	ND	ND	4	SA	Copper	1.3	0.045	0.004	0.0161	5	A
SYMBOLS USED IN THIS REPORT							Bromodichloromethane	N/A	ND	ND	ND	6	SA	Fluoride	2.2	ND	ND	ND	5	A
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)																			
							Bromomethane	5	ND	ND	ND	4	SA	Free Cyanide	0.2	ND	ND	ND	5	A
							Carbon tetrachloride	5	ND	ND	ND	4	SA	Iron	0.3	ND	ND	ND	5	A
							Chlorobenzene	5	ND	ND	ND	4	SA	Lead	0.015	ND	ND	ND	5	A
							Chlorodifluoromethane	5	ND	ND	ND	4	SA	Magnesium	N/A	14.8	7.8	12.12	5	A
							Chloroethane	5	ND	ND	ND	4	SA	Manganese	0.3	ND	ND	ND	5	A
							Chloroform	N/A	ND	ND	ND	6	SA	MBAS	N/A	ND	ND	ND	5	A
							Chloromethane	5	ND	ND	ND	4	SA	Mercury	0.002	ND	ND	ND	5	A
							cis-1,2-Dichloroethene	5	ND	ND	ND	4	SA	Nickel	N/A	0.00079	ND	0.00029	5	A
							cis-1,3-Dichloropropene	5	ND	ND	ND	4	SA	Selenium	0.05	ND	ND	ND	5	A
							Dibromochloromethane	N/A	1.2	ND	0.45	6	SA	Silver	0.1	ND	ND	ND	5	A
							Dibromomethane	5	ND	ND	ND	4	SA	Sodium	See Notes	25.3	13.9	20.12	5	A
							Dichlorodifluoromethane	5	ND	ND	ND	4	SA	Sulfate	250	24.3	16.8	21.4	5	A
							Ethylbenzene	5	ND	ND	ND	4	SA	Thallium	0.002	ND	ND	ND	5	A
							Hexachloro-1,3-butadiene	5	ND	ND	ND	4	SA	Zinc	5	ND	ND	ND	5	A
							Isopropylbenzene	5	ND	ND	ND	4	SA	Ammonia	N/A	ND	ND	ND	5	A
							m&p-Xylene	5	ND	ND	ND	4	SA	Nitrates	10	2.1	ND	1.46	5	SA
							Methylene chloride	5	ND	ND	ND	4	SA	Nitrites	1	0.26	ND	0.052	5	SA
							Methyl-tert-butyl ether	10	ND	ND	ND	4	SA	Perchlorate	See Notes	ND	ND	ND	5	A