WATER AUTHORITY OF GREAT NECK NORTH 2018 DISTRIBUTION SYSTEM TESTING RESULTS

Supplement to the 2018 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

PHYSICAL							VOLATILE						VOLATILE						
(PHY. 1)	MCL	MAX	NIM X	1		No. FQ.	FQ. HALOCARBONS	MCL	MAX	Z	AVG		HALOCARBONS	MCL	MAX	Z Z	AVG		
Turbidity	*	2				5 Qtr	(POC's)	(ng/L)	(ng/L)	(ng/L) ((ng/L)	Б	FQ. (/POC'S)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	No. F	Ğ.
Color	* 15	2	9				1,1,1,2-Tetrachloroethane	2	2	S	S	2	Atr n-Butylbenzene	2	2	9	9	ည	Qt.
Odor	ო *	•	Ź			5 Otr	1,1,1-Trichloroethane	5	2	2	2	S.	Qtr n-Propylbenzene	2	2	2	2	S C	ğ
Temperature (°C)	,	18	3 13	3 15.2		ğ	1,1,2,2-Tetrachloroethane	2	2	2	2	S	Qtr o-Xylene	2	2	2	2	2	ģ
* Standard and Results are Measured in UNITS	are Measure	ed in L	JNITS				1,1,2-Trichloroethane	2	2	2	2	S	Qtr p-Isopropyltoluene	2	2	S	2		ğ
							1,1,2-Trichlorotrifluoroethane	5	2	2	2	-	Otr sec-Butylbenzene	2	S	2	S		±.
							1,1-Dichloroethane	2	2	2	S	-	Qtr Styrene	2	2	2	2		:t
CORROSIVITY	MCL	MAX	NIM	IN AVG	ניז		1,1-Dichloroethene	2	S	2	2	2	Qtr tert-Butylbenzene	2	2	2	9		±,
(COR. 1)		(mg/L)	/L) (mg/L)	1/L) (mg/L)		No. FQ.		5	2	2	2	2	Otr Tetrachloroethene	Ŋ	2	2	S	S.	¥
Calcium Hardness	AND THE PROPERTY OF THE PROPER	71.7	1	(Printelleman) (100 Mage)		5 Otr		2	2	9	2	2	Qtr Toluene	2	2	2	2	2	±;
Langelier Index		-0.5	5 -1.3	1		5 Qtr	1.2.3-Trichloropropane	2	2	2	2	2	2tr trans-1,2-Dichloroethene	Ŋ	2	2	2	S	¥
, H		_						2	S	2	S	22	Otr trans-1,3-Dichloropropene	2	2	2	S	2	Otr
Total Alkaliaity		67 E		ď				י ע	2	2 2	2	י ע		ינ	2	2	2	י ע	1
Total Airaili iity		5 6	5.0				1,2,4-1 illieuriyiberizerie	י כ	2 2	2 2) L	Trichlond Control) ע	2 2	2 2	2 2) L	3 6
Total Dissolved Solids		120				בל בל בל	1,2-Dichloroethane	מנ	2 2	2 5		מינ	Att Micylophologopeulane	o 0	2 2	2 2	2 5	י ע	3 6
lotal Haldiess		1					1.2 Dichlorograms	ט ע	2 2	2 2	2 2	, ע		1					Ţ
							1,2-Dichiolopiopane	ט ער	2 2	2 2	2 5	ט ע	Otr INORGANIC	Ö	MAX	Z	AVG		
WOLF CHRISTIC	CVA	N V	MIN	V/V	ď		1,3,5-IIIIIeuryborzopo) ע	2 2	2 2	2 2) L		(mg/l)	(// // //	(1/5/4/	(// // //	2	C
DISINFECTION								טע	2 2	2 2		. ע		(118/L)	וואירו	ווארר)	ווארר) אס	- 1	خ از
BY-PRODUCIS	(ug/L)		=		Annual Property and Assessment		1,3-Dichiopropane	n ı	2 2	2 2	2 2	n i	_	0.00	2 2	2 2	2 2	יים	5 4
lotal Irinalomethane	08 8	χ. Δ.	2 2	2.76		5 6	Ott 1,4-Dichloropenzene	ဂ မ	2 2	2 2	2 2	Ω u	Off Arsenic	0.0	000	25.0	ND 0.054	<i>)</i> (5 8
Five Haloacetic Acid	20	Z					z,z-Dicinoloproparie	טו	2 2	2 2	2 2	ה י		7 0	5 4	5 2	1020.0	ינ	3 6
							Z-Chlorotoluene	ດເ	2 2	2 2	2 2			9000	2 2	2 2	2 2	ט כ	Ę ;
27							4-Chiorotoluene	ဂ	2	2	2	0		600.0	2 !	2	Z .	יכ	3 6
MICROBIOLOGICAL							Benzene	2	2	2	2	ດ		¥.	28.7	22.1	24.98	S S	ı,
(MIC.)	MCL:	= Non	MCL = Non Detect				Bromobenzene	2	2	2	2	S	Otr Chloride	250	59.5	36.7	50.16	2	ötr
Microbiological samples are collected from representative residential taps throughout the	collected from re	present	tative res	idential taps thr	oughout to	Je	Bromochloromethane	2	2	2	2	2	Qtr Chromium	0.1	2	2	2	S C	ötr
peninsula on a weekly basis.	100						Bromodichloromethane		2	2	2	_		ر ن	0.09	0.00	0.0363	S O	±
In 2018, 550 samples were tested with no violations	ested with no vio	lations.					Bromoform		2.7	2	1.38	7	Qtr Fluoride	2.2	2	2	2	2	;tr
							Bromomethane	2	2	9	2	2	Qtr Free Cyanide	0.2	2	2	2	S O	۲ţ
							Carbon tetrachloride	2	Q.	2	ND	2	Qtr Iron	0.3	0.056	2	2	S C	۲ţ
NOTES:							Chlorobenzene	2	S	2	Q	S	Qtr Lead	0.015	S	2	2	2	±,
Sodium: The New York State Department of Health recommends that Sodium not exceed	te Department of	Health	recomme	ands that Sodiur	m not exce	ed 9ed	Chlorodifluoromethane	2	2	2	N	2	Qtr Magnesium	N/A	14.1	10.8	13.2	2	Qtr
20mg/L for severely restricted sodium diets and 270 mg/L for moderately restricted sodium diets Chloroethane	d sodium diets a	nd 270	mg/L for	moderately rest	ricted sod	ium diets.	Chloroethane	5	Q N	2	S	S.	Qtr Manganese	0.3	0.16	2	S	2	;t
Perchlorate: The primary Action Level is 18 ppb. The Secondary Action Level is 5bbp.	ction Level is 18	ppb. Th	ne Secon	dary Action Lew	el is 5bbp		Chloroform		S	2	N	_	Qtr MBAS	ΑX	2	2	2	ည	ğ
							Chloromethane	2	S	9	Q	2	Qtr Mercury	0.002	2	2	2	2	≍t
							cis-1,2-Dichloroethene	2	2	2	S	s S	Qtr Nickel	ΑN	0.0016	2	2	2	;t
							cis-1,3-Dichloropropene	2	S	2	g	S	Qtr Selenium	0.05	2	Q	2	2	:t
SYMBOLS USED IN THIS REPORT	HIS REPORT	_					Dibromochloromethane		1.3	2	0.39	_	Qtr Silver	0.1	2	Q	2	2	Otr
FQ. Frequency							Dibromomethane	2	2	2	N Q	S	Qtr Sodium s	See Notes	30.8	15.7	23.56	S C	
MCL Maximum Allowa	Maximum Allowable Contaminant Level	t Level					Dichlorodifluoromethane	2	S	2	2	2	Otr Sulfate	250	45.9	27.8	35.62	2	Otr
N/A Not Applicable							Ethylbenzene	2	2	2	g	2	Qtr Thallium	0.002	2	2	2	2	Qtr
ND Non Detect							Hexachloro-1,3-butadiene	2	N N	2	g	2	Qtr Zinc	2	2	R	2	2	Qtr
No. Number of sample tested	le tested					_	Isopropylbenzene	2	S	2	N Q	S.	Qtr Ammonia	N/A	2	S	S	2	Qtr
Qtr Quarterly							m&p-Xylene	2	S	2	N Q	S		9	2.4	0.86	1.732	2	Qtr
ug/L Micrograms per l	Micrograms per Liter (parts per billion)	illion)					Methylene chloride	2	S	2	N Q	2	2tr Nitrites	_	2	2	2	2	Qtr
mg/L Milligrams per Lit	Milligrams per Liter (parts per million)	lion)		-			Methyl-tert-butyl ether	10	2	₽	N Q	2	Atr Perchlorate s	See Notes	0.002	2	2	2	öţ

Supplement to the 2018 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 ND	5.3	5.4	ND	2.9
Color	15	ND	10	ND	5	10
Odor	3	ND	ND	ND	ND	ND
Temperature	Deg. C.	14.2	15	13	14	13
1 omporatoro	20g. 0.					
		WELL	WELL	WELL	WELL	WELL
INORGANIC	MCL	#2 A	#5	#6	#7	#8
(IOC. 1,2,3)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Antimony	0.006	ND	ND	ND	ND	ND
Arsenic	0.010	ND	ND	ND	ND	ND
Barium	2.0	0.015	0.058	0.041	0.016	0.06
Beryllium	0.004	ND	ND	ND	ND	ND
Cadmium	0.005	ND	ND	ND	ND	ND
Calcium	N/A	15.7	32.9	26.2	27.2	38.8
Chloride	250	48.9	101	37.6	33.5	74.9
Chromium	0.10	ND	ND	ND	ND	ND
Copper	1.3	0.003	0.0046	0.0041	0.022	0.0052
Fluoride	2.2	ND	ND	ND	ND	ND
Free Cyanide	0.2	ND	ND	ND	ND	ND
Iron	0.3	ND	0.46	0.69	0.067	0.22
Lead	0.015	ND	0.001	ND	ND	ND
Magnesium	N/A	8.7	14.6	12.4	12.7	21.2
Manganese	0.3	ND	0.02	0.22	0.011	ND
MBAS	N/A	ND	ND	ND	ND	ND
Mercury	0.002	ND	ND	ND	ND	ND
Nickel	N/A	0.0019	0.00053	0.0013	ND	0.0018
Selenium	0.05	ND	ND	ND	ND	ND
Silver	0.1	ND	ND	ND	ND	ND
Sodium	See Notes	8.8	20.9	13	17.2	21.6
Sulfate	250	19.6	12.5	39.6	30.4	48.8
Thallium	0.002	ND	ND	ND	ND	ND
Zinc	5.0	ND	ND	0.027	0.031	0.054
Ammonia	N/A	ND	1.1	ND	ND	ND
Nitrates	10	3	0.11	0.31	1.2	4.4
Nitrites	1	ND	ND	ND	ND	ND
Perchlorate	See Notes	0.0038	ND	ND	ND	ND
CORROSIVITY (CO	R.1)		1 10000 10000 10000			
Calcium Hardness		39.2	82.2	65.4	67.9	96.9
Langelier Index		-2.57	-1.55	-3.84	-1.61	-1.86
PH		7	6	7	7	6
Total Alkalinity		45.7	0	0	79.7	57.8
Disssolved Solids		126	266	166	182	269
Total Hardness		74.9	142	116	120	184

NOTES:

Sodium:

The New York State Department of Health recommends that Sodium not exceed 20 mg/L for severly 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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PHYSICAL	MCL	WELL	WELL	WELL	WELL	WELL	WELL
(PHY.1)	(UNITS)	#9	#10A	#11A	#12	#13	#14
Turbidity	5	ND	ND	ND	ND	ND	ND
Color	15	ND	ND	ND	ND	ND	ND
Odor	3	ND	ND	ND	ND	ND	ND
Temperature	Deg. C.	14	13	14	13	15	13
		WELL	WELL	WELL	WELL	WELL	WELL
INORGANIC	MCL	#9	#10A	#11A	#12	#13	#14
(IOC. 1,2,3)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Antimony	0.006	ND	ND	ND	ND	ND	ND
Arsenic	0.010	ND	ND	ND	ND	ND	ND
Barium	2.0	0.035	0.017	0.021	0.0036	0.01	0.0075
Beryllium	0.004	ND	ND	ND	ND	ND	ND
Cadmium	0.005	ND	ND	ND	ND	ND	ND
Calcium	N/A	30.5	18.2	15.5	7.9	28.3	15.8
Chloride	250	72.6	23.8	7.1	51.4	78.1	86.1
Chromium	0.10	ND	ND	ND	ND	ND	ND
Copper	1.3	ND	0.0033	ND	0.009	0.0043	0.0043
Fluoride	2.2	ND	ND	ND	ND	ND	ND
Free Cyanide	0.2	ND	ND	ND	ND	ND	ND
Iron	0.3	0.037	ND	0.057	ND	ND	ND
Lead	0.015	0.0012	ND	ND	ND	ND	ND
Magnesium	N/A	14.6	9.8	7.4	5.4	17	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	0.00074	0.00052	0.0013	ND	0.0012	ND
Selenium	0.05	ND	ND	ND	ND	ND	ND
Silver	0.1	ND	ND	ND	ND	ND	ND
Sodium	See Notes	26.7	8.6	5.9	8.6	21.2	6.4
Sulfate	250	39.7	25.4	17.5	ND	23.3	34
Thallium	0.002	ND	ND	ND	ND	ND	ND
Zinc	5.0	0.021	ND	ND	ND	ND	ND
Ammonia	N/A	ND	ND	0.53	ND	ND	ND
Nitrates	10	3.1	2.4	1	1.8	2.8	1.5
Nitrites	1	ND	ND	ND	ND	ND	ND
Perchlorate	See Notes	ND	ND	ND	0.0017	ND	ND
CORROSIVITY (CO	R.1)						
Calcium Hardness		76.2	45.4	38.7	19.8	70.7	39.5
Langelier Index		-1.56	-2.57	-2.04	-2.86	-1.6	-2.15
PH		7	6	7	6	7	6.5
Total Alkalinity		68.7	52.6	49.3	23.8	61	49.8
Disssolved Solids		232	109	96	75	282	109
Total Hardness		136	85.6	69.3	41.9	141	76.5

NOTES:

Sodium:

The New York State Department of Health recommends that Sodium not exceed 20 mg/L for severly 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	MCL	WELL #2A	WELL #5	WELL #6	WELL #7	WELL #8
(SOC. 1,2)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	 (ug/L)	(ug/L)
Alachlor	2.0	ND	ND	ND	ND	ND
Aldicarb	3.0	ND	ND	ND	ND	ND
Aldicarb Sulfoxide	4.0	ND	ND	ND	ND	ND
Aldicarb Sulfone	2.0	ND	ND	ND	ND	ND
Atrazine	3.0	ND	ND	ND	ND	ND
Carbofuran	40.0	ND	ND	ND	ND	ND
Chlorodane	2.0	ND	ND	ND	ND	ND
DBCP or 1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND	ND	ND
2,4-D	50.0	ND	ND	ND	ND	ND
Endrin	2.0	ND	ND	ND	ND	ND
1,2- Dibromoethane	0.05	ND	ND	ND	ND	ND
Heptachlor	0.4	ND	ND	ND	ND	ND
Heptachlor Expoxide	0.2	ND	ND	ND	ND	ND
Lindane	0.2	ND	ND	ND	ND	ND
Methoxychlor	40.0	ND	ND	ND	ND	ND
Pentachlorophenol	1.0	ND	ND	ND	ND	ND
Toxaphene	3.0	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	10.0	ND	ND	ND	ND	ND
Aldrin	5.0	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.2	ND	ND	ND	ND	ND
Butachlor	50.0	ND	ND	ND	ND	ND
Carbaryl	50.0	ND	ND	ND	ND	ND
Dalapon	50.0	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) adipate	50.0	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalates	6.0	ND	ND	ND	ND	ND
Dicamba	50.0	ND	ND	ND	ND	ND
Dieldrin	5.0	ND	ND	ND	ND	ND
Dinoseb	7.0	ND	ND	ND	ND	ND
Glyphosate	50.0	ND	ND	ND	ND	ND
Hexachlorobenzene	1.0	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	ND	ND	ND	ND	ND
3-Hydroxycarbofuran	50.0	ND	ND	ND	ND	ND
Methomyl	50.0	ND	ND	ND	ND	ND
Metolachlor	50.0	ND	ND	ND	ND	ND
Metribuzin	50.0	ND	ND	ND	ND	ND
Oxamyl	50.0	ND	ND	ND	ND	ND
Pichloram	50.0	ND	ND	ND	ND	ND
Propachlor	50.0	ND	ND	ND	ND	ND
Simazine	4.0	ND	ND	ND	ND	ND
Total PCB's	0.5	ND	ND	ND	ND	ND
Endothol	50.0	ND	ND	ND	ND	ND
Diquat	20.0	ND	ND	ND	ND	ND
Dioxin	0.00003	ND	ND	ND	ND	ND

NOTE:

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PESTICIDES AND		WELL	WELL	WELL	WELL	WELL	WELL
HERBICIDES	MCL	#9	#10A	#11A	#12	#13	#14
(SOC. 1,2)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L) ND	(ug/L) ND	(ug/L) ND
Aldinorb	2.0	ND ND	ND	ND ND	ND ND	ND	ND
Aldicarb	3.0		ND				ND
Aldicarb Sulfoxide	4.0	ND	ND	ND	ND	ND	
Aldicarb Sulfone	2.0	ND	ND	ND	ND	ND	ND ND
Atrazine	3.0	ND	ND	ND	ND	ND	
Carbofuran	40.0	ND	ND	ND	ND	ND	ND
Chlorodane	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
Aldrin	5.0	ND	ND	ND	ND	ND	ND
Benzo (a) pyrene	0.2	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
Bis-(2-ethylhexyl) adipate	50.0	ND	ND	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalates	6.0	ND	ND	ND	ND	ND	ND
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
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
3-Hydroxycarbofuran	50.0	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
Endothol	50.0	ND	ND	ND	ND	ND	ND
Diquat	20.0	ND	ND	ND	ND	ND	ND
Dioxin	0.00003	ND	ND	ND	ND	ND	ND
DIOXIII	0.00003	ND	ND	ND	IND	ND	ND

NOTE:

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									TREATED	
VOLATILE			WELL			WELL			WELLS	
HALOCARBONS	MCL		#2A			#9			2A & 9	
(POC's)	(ug/L)		(ug/L)			(ug/L)			(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	0.57	0.71	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	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	6.70	2.20	4.04	2.30	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.

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Supplement to the 2018 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 #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	12.40	1.40	6.40	2.90	ND	0.18	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	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	8.40	4.00	6.24	2.30	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.

Supplement to the 2018 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 #5 (ug/L)			WELL #6 (ug/L)		7	REATED 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	2.90	1.10	1.99	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	0.82	ND	ND	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	2.80	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	0.67	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	0.61	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.

Supplement to the 2018 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

									TREATED)			
VOLATILE			WELL			WELL			WELL			WELL	
HALOCARBONS	MCL		#5			#6			#6			#7	
(POC's- Continued)	(ug/L)		(ug/L)			(ug/L)			(ug/L)			(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	0.67	ND	ND	2.80	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	1.20	ND	0.71	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.

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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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					1	TREATED				
VOLATILE			WELL			WELL			WELL	
HALOCARBONS	MCL		#8			#8			#10A	
(POC's)	(ug/L)		(ug/L)			(ug/L)			(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	0.51	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	2.70	ND	0.33	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	1.60	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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Supplement to the 2018 Annual Drinking Water Quality Report as required by part #5 of the new York State Sanitary Code

						TREATED)			
VOLATILE			WELL			WELL			WELL	
HALOCARBONS	MCL		#8			#8			#10A	
(POC's- Continued)	(ug/L)		(ug/L)			(ug/L)			(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	0.66	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	13.90	10.30	11.89	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	4.90	ND	0.86	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.

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VOLATILE			WELL			WELL			WELL	
HALOCARBONS	MCL		#11A			#12			#13	
(POC's)	(ug/L)		(ug/L)			(ug/L)			(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	0.55	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	0.62	ND	0.18	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	1.90	ND	0.92	0.98	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	8.80	ND	2.99	9.20	ND	3.60
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:

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VOLATILE			WELL			WELL			WELL	
HALOCARBONS (POC's- Continued)	MCL (ug/L)		#11A (ug/L)			#12 (ug/L)			#13 (ug/L)	
(r oo o conumaca)	(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	0.73	ND	0.19	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	0.84	0.57	0.73	1.40	ND	0.15	1.50	ND	0.19
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	0.56	1.38	2.50	ND	0.66
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			WELL			TREA	TED WEL	LS 12, 13	& 14	
HALOCARBONS	MCL		#14		AIR :	STRIPPER	? - A	AIR S	STRIPPER	₹ - B
(POC's)	(ug/L)		(ug/L)			(ug/L)		3.500	(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	0.69	ND	ND	ND	ND	ND
Bromoform		ND	ND	ND	6.50	ND	0.50	6.60	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	6.30	ND	2.18	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	2.80	ND	ND	1.20	ND	ND

NOTES:

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VOLATILE			WELL			TREA	TED WEL	LS 12, 13	<i>& 14</i>	
HALOCARBONS	MCL		#14		AIR S	STRIPPEI	R - A	AIR .	STRIPPE	R - B
(POC's- Continued)	(ug/L)	**************************************	(ug/L)			(ug/L)			(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
isopropyibenzene	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	1.30	ND	0.39	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	8.10	ND	0.94	7.80	ND	0.00
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	1.60	ND	0.09	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

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CHLORIDES	HIGH	LOW	AVG
WELL # 2A	48.9	17.5	31.8
WELL # 5	101.0	83.3	92.7
WELL#6	37.6	30.1	35.2
WELL#7	33.5	30.5	31.8
WELL#8	74.9	65.4	68.1
WELL#9	72.6	54.3	61.8
WELL # 10A	23.8	14.0	20.3
WELL # 11A	7.1	6.4	6.8
WELL # 12	51.4	20.0	36.9
WELL # 13	78.1	57.2	69.6
WELL # 14	86.1	5.7	46.8

WATER AUTHORITY OF GREAT NECK NORTH 2018 SOURCE TESTING RESULTS FOR RADIONUCLIDES

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		WELL										
ANALYSIS	MCL	#2A	#2	9#	2#	8#	6#	#10A	#11A	#12	#13	#14
2005	(pCi/L)	(pCi/L)	(pCi/L)	(pCi/L)	(pCi/L)	(pCi/L)	(pCi/L)	(pCi/L)	(pCi/L)	(pCi/L)	(pCi/L)	(bCi/L)
Gross Alpha	15.0	0.891	0.402	1.86	0.028	-0.472	0.411	0.893	0.539	1.02	0.134	0.929
Gross Beta	4.0	0.999	1.09	1.68	2.9	1.93	2.99	2.27	0.657	1.65	2.85	1.27
Radium 226	5.0 Combined Radium	0.554	0.585	0.571	0.257	0.114	0.187	0.158	0.0798	0.367	0.521	0.623
Radium 228	226/228)	0.33	1.23	0.586	1.5	0.408	0.41	0.942	0.832	0.381	698.0	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 pOi/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.