DRINKING WATER QUALITY CHARACTERISTICS OF NEW YORK CITY DISTRIBUTION SYSTEM FOR 1997

REGULATED CONVENTIONAL PHYSICAL AND CHEMICAL PARAMETERS

PARAMETERS (UNITS)	NYS DOH	LABORATORY	CATSKILL - DELAWARE SYSTEM			CROTON SYSTEM			GROUNDWATER SYSTEM		
	MCL	MDL	# SAMPLES	RANGE	AVERAGE	# SAMPLES	RANGE	AVERAGE	# SAMPLES	RANGE	AVERAGE
Alkalinity (mg/L Calcium Carbonate)	No designated limit	0.5	144	6.1- 13.2	9.4	44	36.8 - 56.7	45.5	72	7.3 - 189.6	50.9
Antimony (mg/L)	0.006 (1)	0.002	144	ND	ND	44	ND	ND	72	ND	ND
Arsenic (mg/L)	0.05	0.005	144	ND	ND	44	ND	ND	72	ND	ND
Barium (mg/L)	2	0.05	144	ND	ND	44	ND	ND	72	ND	ND
Beryllium (mg/L)	0.004 (1)	0.002	144	ND	ND	44	ND	ND	72	ND	ND
Cadmium (mg/L)	0.005	0.002	144	ND	ND	44	ND	ND	72	ND	ND
Chloride (mg/L)	250.0	1	144	6.6 -13.9	8.6	44	31.7 - 50.5	43.8	72	7.2 - 103.6	48.9
Chromium (mg/L)	0.1	0.002	144	ND	ND	44	ND	ND	72	ND	ND
Color - entry points (color units)	15 (2)	1	734	3 - 15	6	345	4 - 34	5	533	ND - 30	5
Copper (mg/L)	1.3 (3)	0.01	144	ND - 0.07	< 0.02	44	ND - 0.07	< 0.02	72	ND - 0.73	< 0.09
Cyanide [free] (mg/L)	0.2 (1)	0.02	144	ND	ND	44	ND	ND	72	ND	ND
Fluoride (mg/L)	2.2	0.1	9005	0.10 - 1.50	1.08	1073	0.10 - 1.28	0.99	977	ND - 1.41	< 1.03
Iron (mg/L)	0.3	0.01	144	0.01 - 0.17	0.05	44	0.02 - 0.20	0.07	72	ND - 0.58	< 0.1
Lead (mg/L)	0.015 (3)	0.001	144	ND - 0.011	< 0.001	44	ND - 0.0055	< 0.001	72	ND - 0.007	< 0.001
Manganese (mg/L)	0.3	0.01	144	ND - 0.09	< 0.03	44	0.03 - 0.30	0.07	72	ND - 0.06	< 0.01
Mercury (mg/L)	0.002	0.0002	144	ND	ND	44	ND	ND	72	ND	ND
Nickel (mg/L)	0.1 (1)	0.05	144	ND	ND	44	ND	ND	72	ND	ND
Nitrate (mg/L Nitrogen)	10	0.1	144	0.17 - 0.52	0.31	44	ND - 0.79	< 0.4	72	0.20 - 7.56	4.11
Nitrite (mg/L Nitrogen)	1	0.001	144	ND - 0.025	< 0.001	44	ND - 0.002	< 0.001	72	ND - 0.004	< 0.001
pH (pH units)	between 6.5 and 8.5	-	9005	6.0 - 7.8	-	1074	6.8 - 7.5	-	986	5.8 - 8.2	-
Selenium (mg/L)	0.01	0.002	144	ND	ND	44	ND	ND	72	ND	ND
Silver (mg/L)	0.05	0.01	144	ND	ND	44	ND	ND	72	ND	ND
Sodium (mg/L)	No designated limit	0.01	144	5.20 - 60.00	7.45	44	10.20 - 27.31	20.66	72	5.60 - 50.50	23.24
Specific Conductance (µmho/ cm)	No designated limit	-	9005	64 - 179	78	1074	180 - 340	225	986	101- 846	341
Sulfate (mg/L)	250	2	144	6.30 - 9.20	7.7	44	10.40 - 14.60	12.6	72	7.10 - 87.50	38.1
Temperature (° F)	No designated limit	-	9009	35 - 79	54	1074	37 - 80	53	986	30 - 79	58
Thallium (mg/L)	0.002 (1)	0.002	144	ND	ND	44	ND	ND	72	ND	ND
Turbidity (NTU)	5(4)	0.1	9005	0.1 - 7.3	0.8	1074	0.3 - 2.7	0.8	986	0.1- 7.3	0.4
Zinc (mg/L)	5	0.01	144	ND - 0.01	< 0.01	44	ND	ND	72	ND - 0. 47	< 0.04

MCL = Maximum Contaminant Level MDL = Minimum Detection Limit - lowest level the analytical method can detect mg/L = milligrams per liter ND = Not Detected

(1) USEPA MCL. NYSDOH has not set an MCL for this parameter.
(2) MCL is based on the average of a sample which is greater than 15 and a second sample collected from the same site within two weeks. In the Croton System there were 8 color violations between July and November 1997. The Groundwater System exeperienced three violations at well 50/50A on: 4/15/97, 8/5/97, and 10/1/97.
(3) Action limit (not an MCL)
(4) MCL is the monthly average. Although single values are greater than 5 NTU, no monthly average for any system exceeded the MCL.

DRINKING WATER QUALITY CHARACTERISTICS OF NEW YORK CITY DISTRIBUTION SYSTEM FOR 1997

UNREGULATED CONVENTIONAL CHEMICALS AND PHYSICAL PARAMETERS

PARAMETERS (UNITS)	NYS DOH MCL	LABORATORY MDL	CATSKILL - DELAWARE SYSTEM			CROTON SYSTEM			GROUNDWATER SYSTEM		
			# SAMPLES	RANGE	AVERAGE	# SAMPLES	RANGE	AVERAGE	# SAMPLES	RANGE	AVERAGE
Aluminum (mg/L)	0.05 to 0.2 [5]	0.01	144	ND - 0.08	< 0.02	44	ND - 0.06	< 0.01	72	ND - 0. 90	< 0.01
Ammonia (mg/L Nitrogen)		0.03	144	ND	ND	44	ND	ND	72	ND	ND
Boron (mg/L)		0.02	144	ND - 0.10	< 0.05	44	0.03 - 0.13	0.07	72	0.02 - 0. 20	0.09
Calcium (mg/L)		0.02	144	ND	ND	44	ND	ND	72	ND	ND
Carbon Dioxide (mg/L)		0.2	12	1.32 - 3.52	2	11	2.64 - 5.28	3.98	-	-	-
Chemical Oxygen Demand (mg/L Oxygen)		1	144	0.9- 8.8	3.9	44	4.6 - 9.4	6.9	72	ND - 9.8	< 1.34
Color - distribution systems (color units)		1	7842	2 - 100	7	737	4 - 30	9	1399	1 - 80	5
Corrosivity	Non-corrosive [5] [6]	-	144	- 3.24 to -2.26	-2.7	44	-1.72 to -1.02	-1.44	72	-3.38 to 0.84	-1.47
Dissolved Oxygen (mg/L)		1	12	4.8 - 12.6	8.8	11	4.0 - 11.8	8.4	-	-	-
Dissolved Solids (mg/L)	500[5]	5	144	23 - 78	43	44	124 - 174	150	72	39 - 616	213
Foaming Agents (mg/L Linear Alkyl Sulfonate)	0.5[5]	0.01	144	ND	ND	44	ND	ND	72	ND	ND
Hardness (grains/gallon [US] Calcium Carbonate) [7]		0.03	144	0.8 - 1.6	1.1	44	3.5 - 5.3	4.4	72	1.1 - 21.3	6.8
Iodide (mg/L)		0.01	144	ND	ND	44	ND	ND	72	ND	ND
Lithium (mg/L)		0.01	144	ND	ND	44	ND	ND	72	ND	ND
Magnesium (mg/L)		0.1	144	1.00 - 2.20	1.26	44	4.66 - 8.40	6.59	72	1.60 - 38.00	13.76
Phenols (mg/L Phenol)		0.002	140	ND	ND	44	ND	ND	72	ND	ND
Orthophosphate (mg/L)		0.02	8582	< 0.10 - 3.30	< 1.28	1074	< 0.10 - 2.20	< 1.12	1399	0.03 - 2.17	1.25
Potassium (mg/L)		0.1	144	0.41 - 0.86	0.58	44	1.32 - 1.96	1.69	72	0.47 - 3.10	1.58
Silica [Silicon Dioxide] (mg/L)		0.2	144	1.20 - 4.40	2.8	44	3.10 - 7.40	4.9	72	2.60 - 29.80	15.8
Strontium (mg/L)		0.05	144	ND	ND	44	ND	ND	72	ND	ND
Total Organic Carbon (mg/L Carbon)		0.15	144	0.80 - 2.70	1.7	44	1.40 - 3.00	2.38	72	ND - 2.10	< 0.56
Total Organic Halogen (mg/L)		0.02	140	0.061 - 0.257	0.152	43	0.121 - 0.494	0.248	65	ND - 0.138	< 0.045

MCL = Maximum Contaminant Level MDL = Minimum Detection Limit - lowest level the analytical method can detect mg/L = milligrams per liter ND = Not Detected

[5] USEPA Secondary Maximum Contaminant Level. NYSDOH has not set an MCL for this parameter.
[6] A Lanelier Index value less than zero indicates corrosive tendencies.
[7] Hardness of up to 3 grains/gallon is considered soft water, between 3 and 9 is moderately hard.

DRINKING WATER QUALITY CHARACTERISTICS OF NEW YORK CITY DISTRIBUTION SYSTEM FOR 1997

REGULATED ORGANIC CONTAMINANTS

PARAMETERS (mg/L)	NYS DOH MCL	LABORATORY MDL	CATSKILL - DELAWARE SYSTEM			CROTON SYSTEM			GROUNDWATER SYSTEM		
			# SAMPLES	RANGE	AVERAGE	# SAMPLES	RANGE	AVERAGE	# SAMPLES	RANGE	AVERAGE
Total Trihalomethanes [8]	0.1	0.002	144	0.009 - 0.062	0.029	44	0.034 - 0.065	0.047	72	ND - 0.033	< 0.009
Principal Organic Contaminants:											
Benzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Bromobenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Bromochloromethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Bromomethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
n-Butylbenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
sec-Butylbenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
tert-Butylbenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Carbon tetrachloride	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Chlorobenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Choloroethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Chloromethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
2-Chlorotoluene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
4-Chlorotoluene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Dibromomethane	0.005	0.0005	144	ND	ND	44	ND - 0.0006*	ND	96	ND - 0.001*	ND
1,2-Dichlorobenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,3-Dichlorobenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,4-Dichlorobenzene	0.005	0.0005	144	ND - 0.0014	<0.0005083	44	ND	ND	96	ND	ND
Dichlorodifluoromethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND - 0.0013	< 0.0005177
1,1-Dichloroethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,2-Dichloroethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,1-Dichloroethene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
cis-1,2-Dichloroethene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND - 0.0014	< 0.0005156
trans-1,2-Dichloroethene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,2-Dichloropropane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,3-Dichloropropane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
2,2-Dichloropropane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,1-Dichloropropene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
cis-1,3-Dichloropropene	0.005	0.0005	120	ND	ND	36	ND	ND	80	ND	ND
trans-1,3-Dichloropropene	0.005	0.0005	120	ND	ND	36	ND	ND	80	ND	ND
Ethylbenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Hexachlorobutadiene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Isopropylbenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
p-Isopropyltoluene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Methylene Chloride	0.005	0.0005	144	ND - 0.0008	<0.0005049	44	ND - 0.0006	<0.00050027	96	ND - 0.0007*	ND
n-Propylbenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Styrene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,1,1,2-Tetrachloroethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,1,2,2-Tetrachloroethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Tetrachloroethene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND - 0.0047	< 0.0010418
Toluene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,2,3-Trichlorobenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,2,4-Trichlorobenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,1,1-Trichloroethane	0.005	0.0005	144	ND - 0.0013	<0.0005132	44	ND - 0.001*	ND	96	ND	ND
1,1,2-Trichloroethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
Trichloroethene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND - 0.0006	< 0.0005021
Trichlorofluoromethane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,2,3-Trichloropropane	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,2,4-Trimethylbenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
1,3,5-Trimethylbenzene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
m-Xylene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
o-Xylene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND
p-Xylene	0.005	0.0005	144	ND	ND	44	ND	ND	96	ND	ND

MCL = Maximum Contaminant Level MDL = Minimum Detection Limit mg/L = milligrams per liter ND = Not Detected

[8] MCL is the calculated quarterly running average. In 1997 the MCL was never exceeded. Data presented are based on individual sample results.

* Only one sample was detected with the contaminant at levels below the MCL.

DRINKING WATER QUALITY CHARACTERISTICS OF NEW YORK CITY DISTRIBUTION SYSTEM FOR 1997

SPECIFIED ORGANIC CHEMICALS

PARAMETERS (mg/L)	NYS DOH MCL	LABORATORY MDL	CATSKILL - DELAWARE SYSTEM			CROTON SYSTEM			GROUNDWATER SYSTEM		
			# SAMPLES	RANGE	AVERAGE	#SAMPLES	RANGE	AVERAGE	#SAMPLES	RANGE	AVERAGE
Alachlor	0.002	0.000003	10	ND	ND	5	ND	ND	10	ND	ND
Aldicarb	0.003	0.001	24	ND	ND	11	ND	ND	24	ND	ND
Aldicarb Sulfone	0.002	0.002	24	ND	ND	11	ND	ND	24	ND	ND
Aldicarb Sulfoxide	0.004	0.002	24	ND	ND	11	ND	ND	24	ND	ND
Aldrin	0.005	0.000003	10	ND	ND	5	ND	ND	10	ND	ND
Atrazine	0.003	0.000003	10	ND	ND	5	ND	ND	10	ND	ND
Benzo(a)pyrene	0.05	0.00002	16	ND	ND	7	ND	ND	16	ND	ND
Butachlor	0.05	0.0005	22	ND	ND	10	ND	ND	22	ND	ND
Carbaryl	0.05	0.002	24	ND	ND	11	ND	ND	24	ND	ND
Carbofuran	0.04	0.0015	24	ND	ND	11	ND	ND	24	ND	ND
Chlordane	0.002	0.0005	2	ND	ND	1	ND	ND	2	ND	ND
2,4-D	0.05	0.002	10	ND	ND	5	ND	ND	10	ND	ND
Dalapon	0.05	0.00032	47	ND - 0.00210	< 0.00067	16	0.00043 - 0.00121	< 0.00082	32	ND	ND
Dibromochloropropane [DBCP]	0.0002	0.00007	45	ND	ND	9	ND	ND	24	ND	ND
Di(2-ethylhexyl)adipate	0.05	0.001	2	ND	ND	1	ND	ND	2	ND	ND
Di(2-ethylhexyl)phthalate	0.05	0.003	2	ND	ND	1	ND	ND	2	ND	ND
Dicamba	0.05	0.002	10	ND	ND	5	ND	ND	10	ND	ND
Dieldrin	0.005	0.000003	10	ND	ND	5	ND	ND	10	ND	ND
Dinoseb	0.05	0.002	10	ND	ND	5	ND	ND	10	ND	ND
Diquat	0.05	0.001	24	ND	ND	11	ND	ND	24	ND	ND
Endrin	0.0002	0.000004	10	ND	ND	5	ND	ND	10	ND	ND
Endothall	0.05	0.005	2	ND	ND	1	ND	ND	2	ND	ND
Ethylene Dibromide [EDB]	0.00005	0.00005	34	ND	ND	6	ND	ND	24	ND	ND
Glyphosate	0.05	0.009	2	ND	ND	1	ND	ND	2	ND	ND
Heptachlor	0.0004	0.000003	10	ND	ND	5	ND	ND	10	ND	ND
Heptachlor Epoxide	0.0002	0.000001	10	ND	ND	5	ND	ND	10	ND	ND
Hexachlorobenzene	0.005	0.000002	10	ND	ND	5	ND	ND	10	ND - 0.005	< 0.0023
Hexachlorocyclopentadiene	0.05	0.000004	10	ND	ND	5	ND	ND	10	ND - 0.020	< 0.006
3-Hydroxycarbofuran	0.05	0.002	24	ND	ND	11	ND	ND	24	ND	ND
Lindane	0.0002	0.000025	2	ND	ND	1	ND	ND	2	ND	ND
Methomyl	0.05	0.0005	24	ND	ND	11	ND	ND	24	ND	ND
Metolachor	0.05	0.000005	10	ND	ND	5	ND	ND	10	ND	ND
Metribuzin	0.05	0.000005	10	ND	ND	5	ND	ND	10	ND	ND
Methoxychlor	0.04	0.000009	10	ND	ND	5	ND	ND	10	ND	ND
Oxamyl [Vydate]	0.05	0.002	24	ND	ND	11	ND	ND	24	ND	ND
Pentachlorophenol	0.001	0.002	10	ND	ND	5	ND	ND	10	ND	ND
Picloram	0.05	0.001	10	ND	ND	5	ND	ND	10	ND	ND
Polychlorobiphenyls [PCBs] [9]	0.0005	0.0005	2	ND	ND	1	ND	ND	2	ND	ND
Propachlor	0.05	0.000005	10	ND	ND	5	ND	ND	10	ND	ND
Simazine	0.05	0.000003	10	ND	ND	5	ND	ND	10	ND	ND
2,4,5-TP (Silvex)	0.01	0.002	10	ND	ND	5	ND	ND	10	ND	ND
Toxaphene	0.003	0.0025	2	ND	ND	1	ND	ND	2	ND	ND
Vinyl Chloride	0.002	0.0005	144	ND	ND	44	ND	ND	72	ND	ND

MCL = Maximum Contaminant Level MDL = Minimum Detection Limit mg/L = milligrams per liter ND = Not Detected

[9] Total PCBs (< 0.0005 mg/l)

DRINKING WATER QUALITY CHARACTERISTICS OF NEW YORK CITY DISTRIBUTION SYSTEM FOR 1997

UNSPECIFIED ORGANIC CHEMICALS

PARAMETERS (mg/L)	NYS DOH	LABORATORY	CATSKILL - DELAWARE SYSTEM			CROTON SYSTEM			GROUNDWATER SYSTEM		
	MCL	MDL	# SAMPLES	RANGE	AVERAGE	# SAMPLES	RANGE	AVERAGE	# SAMPLES	RANGE	AVERAGE
Acenaphthene	0.05	0.003	16	ND	ND	7	ND	ND	16	ND	ND
Acenaphthylene	0.05	0.003	16	ND	ND	7	ND	ND	16	ND	ND
Anthracene	0.05	0.0002	16	ND	ND	7	ND	ND	16	ND	ND
Baygon (propoxur)	0.05	0.001	24	ND	ND	11	ND	ND	24	ND	ND
Benzo[a]anthracene	0.05	0.000008	16	ND	ND	7	ND	ND	16	ND	ND
Benzo[b]fluoranthene	0.05	0.000006	16	ND	ND	7	ND	ND	16	ND	ND
Benzo[k]fluoranthene	0.05	0.000003	18	ND	ND	8	ND	ND	18	ND	ND
Benzo[g,h,i]perylene	0.05	0.00002	18	ND	ND	8	ND	ND	18	ND	ND
alpha-BHC	0.005	0.000001	10	ND	ND	5	ND	ND	10	ND	ND
beta-BHC	0.005	0.000009	10	ND	ND	5	ND	ND	10	ND	ND
delta-BHC	0.005	0.000002	8	ND	ND	4	ND	ND	8	ND	ND
gamma-BHC	0.0002	0.000006	10	ND	ND	5	ND	ND	10	ND	ND
Bromochloroacetic acid	0.05	0.00006	143	0.00050 - 0.01050	0.00163	43	0.00070 - 0.00473	0.00274	96	ND - 0.00278	< 0.00079
Bromochloroacetonitrile	0.05	0.0001	48	ND - 0.00218	< 0.00066	12	0.00078 - 0.00261	0.00133	36	ND - 0.00149	< 0.00052
Carboxin	0.005	0.0005	22	ND	ND	10	ND	ND	22	ND	ND
Chloral Hydrate	0.05	0.00005	58	0.00130 - 0.01621	0.00431	12	0.00427 - 0.01254	0.00688	36	ND - 0.00373	< 0.0011
Chlorobenzilate	0.005	0.000002	10	ND	ND	5	ND	ND	10	ND	ND
Chloropicrin	0.05	0.0001	58	ND - 0.00228	< 0.0009	12	0.00061 - 0.00252	0.00104	36	ND - 0.00150	< 0.00022
Chloroneb	0.005	0.000006	10	ND	ND	5	ND	ND	10	ND	ND
Chlorothalonil	0.05	0.000002	10	ND	ND	5	ND	ND	10	ND	ND
Chrysene	0.005	0.0002	18	ND	ND	8	ND	ND	18	ND	ND
Cyanazine	0.05	0.000007	10	ND	ND	5	ND	ND	10	ND	ND
Dacthal (DCPA)	0.005	0.000009	10	ND	ND	5	ND	ND	10	ND	ND
2,4-DB	0.05	0.00002	10	ND	ND	10	ND	ND	10	ND	ND
4,4'-DDD	0.005	0.000003	10	ND	ND	5	ND	ND	10	ND	ND
4,4'-DDE	0.005	0.000003	10	ND	ND	5	ND	ND	10	ND	ND
4,4'-DDT	0.005	0.000004	10	ND	ND	5	ND	ND	10	ND	ND
Diazinon	0.05	0.0005	22	ND	ND	10	ND	ND	22	ND	ND
Dibenzo[a,h]anthracene	0.05	0.00004	18	ND	ND	8	ND	ND	18	ND	ND
Dibromoacetic acid	0.05	0.00008	131	ND - 0.00062	< 0.00017	39	ND - 0.00073	< 0.00025	88	ND - 0.00343	< 0.00085
Dibromoacetonitrile	0.05	0.00007	48	ND - 0.00163	< 0.00034	12	ND - 0.00178	< 0.00027	38	ND - 0.00279	< 0.00085
Dichloroacetic acid	0.05	0.00016	143	0.00788 - 0.03050	0.01889	43	0.00746 - 0.04099	0.01918	96	ND - 0.02470	< 0.00346
Dichloroacetonitrile	0.05	0.00007	58	0.00092 - 0.00345	0.00204	12	0.00353 - 0.00654	0.00492	36	ND - 0.00191	< 0.0005
1,1-Dichloropropanone-2	0.05	0.0001	58	0.00038 - 0.00176	0.00081	12	0.00075 - 0.00242	0.0013	36	ND - 0.00111	< 0.00035
Endosulfan-I	0.005	0.000006	10	ND	ND	5	ND	ND	10	ND	ND
Endosulfan-II	0.005	0.000001	10	ND	ND	5	ND	ND	10	ND	ND
Endosulfan Sulfate	0.005	0.000003	10	ND	ND	5	ND	ND	10	ND	ND
Endrin Aldehyde	0.005	0.000004	10	ND	ND	5	ND	ND	10	ND	ND
Etridiazole	0.05	0.000014	10	ND	ND	5	ND	ND	10	ND	ND
Fluoranthene	0.05	0.00001	16	ND	ND	7	ND	ND	16	ND	ND
Fluorene	0.005	0.0003	18	ND	ND	8	ND	ND	18	ND	ND
Indeno[1,2,3-cd]pyrene	0.005	0.00007	16	ND	ND	8	ND	ND	16	ND	ND
Methiocarb	0.05	0.004	24	ND	ND	11	ND	ND	24	ND	ND
Methyl tert-butyl ether	0.05	0.0005	148	ND - 0.0094	0.000794	52	ND - 0.0048	0.000629	117	ND - 0.0149	0.001692
MGK-264	0.05	0.0005	22	ND	ND	10	ND	ND	22	ND	ND
Monobromoacetic acid	0.05	0.00011	147	ND - 0.00040	< 0.00016	39	ND - 0.00050	< 0.00024	96	ND - 0.00093	< 0.00018
Monochloroacetic acid	0.05	0.00019	143	0.00035 - 0.00280	0.00114	43	0.00020 - 0.01830	1.04	96	ND - 0.00323	< 0.00113
Napthalene	0.05	0.003	18	ND	ND	8	ND	ND	18	ND	ND
Norflurazon	0.005	0.0005	22	ND	ND	10	ND	ND	22	ND	ND
Paraquat	0.05	0.001	24	ND	ND	11	ND	ND	24	ND	ND
cis-Permethrin	0.005	0.000009	10	ND	ND	5	ND	ND	10	ND	ND
trans-Permethrin	0.005	0.000007	10	ND	ND	5	ND	ND	10	ND	ND
Phenanthrene	0.05	0.0002	18	ND	ND	8	ND	ND	18	ND	ND

DRINKING WATER QUALITY CHARACTERISTICS OF NEW YORK CITY DISTRIBUTION SYSTEM FOR 1997

UNSPECIFIED ORGANIC CHEMICALS
(Continued)

PARAMETERS (mg/L)	NYS DOH	LABORATORY	CATSKILL - DELAWARE SYSTEM			CROTON SYSTEM			GROUNDWATER SYSTEM		
	MCL	MDL	# SAMPLES	RANGE	AVERAGE	# SAMPLES	RANGE	AVERAGE	# SAMPLES	RANGE	AVERAGE
Pyrene	0.05	0.0004	16	ND	ND	7	ND	ND	16	ND	ND
Terbufos	0.05	0.0005	22	ND	ND	10	ND	ND	22	ND	ND
Tetrachloroterephthalic acid (TCPA)	0.005	0.005	10	ND	ND	5	ND	ND	10	ND	ND
Trichloroacetic Acid	0.05	0.00007	131	0.00938 - 0.05200	0.02426	39	0.02340 - 0.06410	0.0412	88	ND - 0.03350	< 0.00475
Trichloroacetonitrile	0.05	0.0001	58	ND - 0.00073	< 0.00012	12	ND - 0.00257	< 0.00056	39	ND	ND
1,1,1-Trichloropropanone	0.05	0.0001	58	0.00145 - 0.00418	0.00242	12	0.00222 - 0.00621	0.00411	36	ND - 0.00195	< 0.00061
Trifluralin	0.05	0.000001	10	ND	ND	5	ND	ND	10	ND	ND
Vernolate	0.05	0.0005	22	ND	ND	10	ND	ND	22	ND	ND

MCL = Maximum Contaminant Level MDL = Minimum Detection Limit mg/L = milligrams per liter ND = Not Detected

DRINKING WATER QUALITY CHARACTERISTICS OF NEW YORK CITY DISTRIBUTION SYSTEM FOR 1997

MICROBIAL ANALYSIS FOR COLIFORM BACTERIA

MONTH	TOTAL # SAMPLES ANALYZED	# SAMPLES POSITIVE FOR TOTAL COLIFORM	# SAMPLES POSITIVE FOR E. COLI	PERCENT OF SAMPLES CONTAINING COLIFORM (%) [10]	PERCENT OF SAMPLES CONTAINING E. COLI (%) [11]
Jan -97	899	1	0	0.1	0.0
Feb -97	823	1	0	0.1	0.0
Mar-97	937	0	0	0.0	0.0
Apr-97	913	2	0	0.2	0.0
May-97	944	0	0	0.0	0.0
Jun-97	913	6	1	0.7	0.1
Jul-97	972	6	0	0.6	0.0
Aug-97	930	1	0	0.1	0.0
Sep-97	924	1	0	0.1	0.0
Oct-97	955	2	0	0.2	0.0
Nov-97	910	3	0	0.3	0.0
Dec-97	949	1	0	0.1	0.0
Totals:	11069	24	1	0.2	0.0

[10] New York State DOH permits up to 5 percent of total coliform samples each month to be positive.

[11] A violation occrus if a sample and its repeat sample are both positive for coliform and one of the two samples is E. coli.