

Acid Gases Air Sampling Analysis Results

Collection Date: Night of 10/8/01

Compound	Queens Broadway Ave & 31 st St	Bronx 138 th St & 3 rd Ave	Manhattan Central Park N. & Lenox	Brooklyn Berry St & North 11 th St	Brooklyn Atlantic Ave & Smith St	Staten Island Bay St & Victory Blvd
Acetic Acid	<5.0 PPM	<5.0 PPM	<5.0 PPM	<5.0 PPM	<5.0 PPM	<5.0 PPM
Nitric Acid	<1.0 PPM	<1.0 PPM	<1.0 PPM	<1.0 PPM	<1.0 PPM	<1.0 PPM
Sulphuric Acid	<5.0 PPM	<5.0 PPM	<5.0 PPM	<5.0 PPM	<5.0 PPM	<5.0 PPM
Hydrochloric Acid	<10.0 PPM	<10.0 PPM	<10.0 PPM	<10.0 PPM	<10.0 PPM	<10.0 PPM
Formic Acid	<1.0 PPM	<1.0 PPM	<1.0 PPM	<1.0 PPM	<1.0 PPM	<1.0 PPM
Chromic Acid	<0.10 PPM	<0.10 PPM	<0.10 PPM	<0.10 PPM	<0.10 PPM	<0.10 PPM
Acid Test	<10.0 PPM	<10.0 PPM	<10.0 PPM	<10.0 PPM	<10.0 PPM	<10.0 PPM

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Metal Air Sampling Analysis ResultsCollection Date: 10/8/01 • Units: mg/m³

Metal	Queens Broadway Ave & 31 st St	Bronx 138 th St & 3 rd Ave	Manhattan Central Park N. & Lenox	Brooklyn Berry St & North 11 th St	Brooklyn Atlantic Ave & Smith St	Staten Island Bay St & Victory Blvd
Aluminum (Al)	<0.01	0.16	0.07	0.02	<0.01	0.03
Antimony (Sb)	1.20	0.36	0.22	0.06	0.10	<0.01
Arsenic (As)	0.20	0.01	0.06	<0.01	<0.01	<0.01
Barium (Ba)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Beryllium (Be)	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cadmium (Cd)	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)	0.18	<0.01	<0.01	<0.01	0.49	<0.01
Chromium (Cr)	0.04	0.02	<0.01	0.01	0.01	<0.01
Copper (Cu)	0.04	0.03	0.01	<0.01	0.02	0.01
Iron (Fe)	0.32	0.25	0.33	0.02	0.67	0.15
Lead (Pb)	0.05	0.01	0.15	<0.01	0.01	<0.01
Magnesium (Mg)	0.10	0.17	0.01	<0.01	0.10	<0.01
Manganese (Mn)	<0.01	0.01	0.02	0.01	<0.01	0.01
Mercury (Hg)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel (Ni)	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium (K)	<0.01	0.04	0.08	0.02	0.03	0.02
Selenium (Se)	0.15	<0.01	0.08	<0.01	<0.01	<0.01
Silver (Ag)	0.01	0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)	0.66	0.13	0.42	<0.01	2.26	<0.01
Thallium (Tl)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc (Zn)	0.02	<0.01	0.02	<0.01	<0.01	0.01

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Volatile Organic Compounds (VOC) Air Sampling Analysis Results

Collection Date: 10/8/01 • Units: ppb v/v

Contaminant	Queens Broadway Ave & 31 st St	Bronx 138 th St & 3 rd Ave	Manhattan Central Park N. & Lenox	Brooklyn Berry St & North 11 th St	Brooklyn Atlantic Ave & Smith St	Staten Island Bay St & Victory Blvd
Dichlorodifluoromethane	0.55	0.47	0.58	0.57	0.42	0.55
Chloromethane	0.61	0.50	0.61	0.88	0.59	0.80
1,2-Dichlorotetrafluoroethane	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.30	ND	0.22	0.23	ND	0.22
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND
Freon 113	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	2.79	1.12	5.54	0.77	1.37	0.75
cis-1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Benzene	0.62	0.55	5.30	0.76	1.06	0.33
Carbon tetrachloride	0.14	0.11	0.12	0.11	0.12	0.12
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
Toluene	3.93	4.46	9.68	1.08	2.32	0.39
1,2-Dibromomethane	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.11	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND

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Volatile Organic Compounds (VOC) Air Sampling Analysis Results

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Ethylbenzene	0.73	0.71	1.41	0.30	0.59	0.15
m,p-Xylene	ND	1.97	3.64	0.55	1.25	0.21
Styrene	0.13	0.11	0.60	0.11	0.15	ND
1,1,2,2-Tetrachloromethane	ND	ND	ND	ND	ND	ND
o-Xylene	0.68	0.62	1.32	0.20	0.46	0.08
1,3,5-Trimethylbenzene	0.22	0.18	0.47	ND	0.16	ND
1,2,4-Trimethylbenzene	0.66	0.64	1.58	0.21	0.52	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.22	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.43	ND	ND	ND	ND	ND
Hexachloro-1,3-Butadiene	0.29	ND	ND	ND	ND	ND
Tentatively Identified Compounds						
2-Methyl butane	1.30	—	2.85	—	1.12	—
2-Methyl Pentane	—	—	1.48	—	—	—
3-Methyl pentane	—	—	1.14	—	—	—
Pentane	—	—	1.41	—	—	—
2-Methyl 1-1 Propene	—	—	2.15	—	—	—
Propene	—	—	2.48	—	—	—
2,2,4,4-Tetramethylhexane	—	—	1.03	—	—	—

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