NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
BOHEMIA, N.Y. 11716
Phone: (631) 467-8477 Fax: (631) 467-6905

AMERICA'S TEST LAB!

Prepared Exclusively For:
N.Y.C. D.E.P. HAZMAT DIVISION
59-17 JUNCTION BOULEVARD
CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090180

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 3:00 PM	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-001 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BROADWAY AVE & 31st ST., QUEENS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.19	mg/m3
Copper (Cu)	OSHA ID121	0.21	mg/m3
Arsenic (As)	OSHA ID121	0.08	mg/m3
Barium (Ba)	OSHA ID121	0.02	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	0.02	mg/m3
Calcium (Ca)	OSHA ID121	2.23	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	0.21	mg/m3
Lead (Pb)	OSHA ID121	0.05	mg/m3
Magnesium (Mg)	OSHA ID121	0.43	mg/m3
Manganese (Mn)	OSHA ID121	0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.01	mg/m3
Potassium (K)	OSHA ID121	0.23	mg/m3
Selenium (Se)	OSHA ID121	0.15	mg/m3
Silver (Ag)	OSHA ID121	0.38	mg/m3
Sodium (Na)	OSHA ID121	0.51	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.11	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #48075

NYC-WTC_000148192

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LAB NUMBER: 01090180

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 4:24 PM	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-002 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** 138th St. & 3rd AVENUE, BRONX

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.06	mg/m3
Copper (Cu)	OSHA ID121	0.09	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.69	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	0.10	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.26	mg/m3
Manganese (Mn)	OSHA ID121	0.02	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.02	mg/m3
Selenium (Se)	OSHA ID121	0.05	mg/m3
Silver (Ag)	OSHA ID121	0.16	mg/m3
Sodium (Na)	OSHA ID121	1.91	mg/m3
Thallium (Tl)	OSHA ID121	0.03	mg/m3
Zinc (Zn)	OSHA ID121	0.07	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

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MWBE #46075

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LAB NUMBER: 01090180

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 5:08 PM	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-003 **MATRIX** AIR\GAS **SAMPLE ORIGIN.** CENTRAL PARK N. & LENOX , MANHATTAN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.03	mg/m3
Antimony (Sb)	OSHA ID121	0.16	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Arsenic (As)	OSHA ID121	0.03	mg/m3
Copper (Cu)	OSHA ID121	0.12	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.72	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	0.23	mg/m3
Lead (Pb)	OSHA ID121	0.03	mg/m3
Magnesium (Mg)	OSHA ID121	0.36	mg/m3
Manganese (Mn)	OSHA ID121	0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.01	mg/m3
Potassium (K)	OSHA ID121	0.07	mg/m3
Selenium (Se)	OSHA ID121	0.09	mg/m3
Silver (Ag)	OSHA ID121	0.31	mg/m3
Sodium (Na)	OSHA ID121	0.06	mg/m3
Thallium (Tl)	OSHA ID121	0.04	mg/m3
Zinc (Zn)	OSHA ID121	0.15	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

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Lab Director

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LAB NUMBER: 01090180

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 6:08 PM	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-004 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BERRY ST. & NORTH 11th ST, BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.05	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	0.06	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.46	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	0.14	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.27	mg/m3
Manganese (Mn)	OSHA ID121	0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.08	mg/m3
Selenium (Se)	OSHA ID121	0.06	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3
Thallium (Tl)	OSHA ID121	0.05	mg/m3
Sodium (Na)	OSHA ID121	<0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.06	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS CLAP #10224
MWBE #46075

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LAB NUMBER: 01090180

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 8:00 PM	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-005 **MATRIX** AIR/GAS **SAMPLE ORIGIN:** ATLANTIC AVE. & SMITH ST., BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.08	mg/m3
Copper (Cu)	OSHA ID121	0.09	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.22	mg/m3
Chromium (Cr)	OSHA ID121	<0.01	mg/m3
Iron (Fe)	OSHA ID121	0.16	mg/m3
Lead (Pb)	OSHA ID121	0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.23	mg/m3
Manganese (Mn)	OSHA ID121	0.02	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.64	mg/m3
Selenium (Se)	OSHA ID121	0.04	mg/m3
Silver (Ag)	OSHA ID121	0.21	mg/m3
Sodium (Na)	OSHA ID121	264	mg/m3
Thallium (Tl)	OSHA ID121	0.03	mg/m3
Zinc (Zn)	OSHA ID121	0.09	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10324
MWBE #46075

NYC-WTC_000148196

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LAB NUMBER: 01090180

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COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 9:00 PM	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-006 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BAY ST & VICTORY BLVD., STATEN ISLAND

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Copper (Cu)	OSHA ID121	0.08	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.34	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	0.10	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.26	mg/m3
Manganese (Mn)	OSHA ID121	0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.03	mg/m3
Selenium (Se)	OSHA ID121	0.01	mg/m3
Silver (Ag)	OSHA ID121	0.04	mg/m3
Sodium (Na)	OSHA ID121	0.58	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.07	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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LAB NUMBER: 01090180

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-007 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** TRIP BLANKS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.04	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Arsenic (As)	OSHA ID121	0.01	mg/m3
Copper (Cu)	OSHA ID121	0.12	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.68	mg/m3
Calcium (Ca)	OSHA ID121	0.68	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	0.08	mg/m3
Lead (Pb)	OSHA ID121	0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.26	mg/m3
Manganese (Mn)	OSHA ID121	0.02	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.01	mg/m3
Potassium (K)	OSHA ID121	0.17	mg/m3
Selenium (Se)	OSHA ID121	0.02	mg/m3
Silver (Ag)	OSHA ID121	0.14	mg/m3
Sodium (Na)	OSHA ID121	2.14	mg/m3
Thallium (Tl)	OSHA ID121	0.04	mg/m3
Zinc (Zn)	OSHA ID121	0.10	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10394
MWBE #46075

NYC-WTC_000148198

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/13/01 10:00 PM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-001 **SAMPLE ORIGIN** BROADWAY AVE & 31st ST., QUEENS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.72	ppb v/v	0.123	USEPA TO-15	9/14/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/14/01
1,2-Dichlorotetrafluoromethane	ND	ppb v/v	0.2898	USEPA TO-15	9/14/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/14/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/14/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/14/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/14/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/14/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/14/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/14/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/14/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/14/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/14/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/14/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/14/01
Benzene	17.2	ppb v/v	0.1201	USEPA TO-15	9/14/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/14/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/14/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/14/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/14/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/14/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

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LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

Toluene	44.5	ppb v/v	0.0735	USEPA TO-15	9/14/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/14/01
Tetrachloroethene	0.44	ppb v/v	0.0845	USEPA TO-15	9/14/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/14/01
Ethylbenzene	9.52	ppb v/v	0.0744	USEPA TO-15	9/14/01
m,p-Xylene	30.0	ppb v/v	0.1785	USEPA TO-15	9/14/01
Styrene	1.55	ppb v/v	0.0896	USEPA TO-15	9/14/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/14/01
o-Xylene	12.0	ppb v/v	0.0111	USEPA TO-15	9/14/01
1,3,5-Trimethylbenzene	4.74	ppb v/v	0.0757	USEPA TO-15	9/14/01
1,2,4-Trimethylbenzene	14.7	ppb v/v	0.1511	USEPA TO-15	9/14/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/14/01
1,4-Dichlorobenzene	0.31	ppb v/v	0.169	USEPA TO-15	9/14/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/14/01
1,2,4-Trichlorobenzene	0.23	ppb v/v	0.1785	USEPA TO-15	9/14/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1978	USEPA TO-15	9/14/01
Tentatively Identified Compounds					9/14/01
Propene	6.62	ppb v/v			9/14/01
2-Methyl-1-propene	5.99	ppb v/v			9/14/01
2-Methyl butane	15.8	ppb v/v			9/14/01
Pentane	5.18	ppb v/v			9/14/01
2,3-dimethyl butane	7.31	ppb v/v			9/14/01
2-Methyl Pentane	17.0	ppb v/v			9/14/01
Methyl-tert-butyl ether (MTBE)	42.1	ppb v/v			9/14/01
3-Methyl pentane	10.1	ppb v/v			9/14/01
Methyl cyclopentane	12.8	ppb v/v			9/14/01
2,3-Dimethyl pentane	4.58	ppb v/v			9/14/01
3-Methyl hexane	7.72	ppb v/v			9/14/01
Heptane	4.83	ppb v/v			9/14/01
Methyl cyclohexane	5.14	ppb v/v			9/14/01
2,3,4-Trimethyl pentane	5.56	ppb v/v			9/14/01
M-Ethyl toluene	6.05	ppb v/v			9/14/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148200

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1615 NINTH AVENUE, BOX 205. BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/13/01 10:35 PM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-002 **SAMPLE ORIGIN** 138th S. & 3rd AVENUE, BRONX

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	1.70	ppb v/v	0.123	USEPA TO-15	9/14/01
Chloromethane	1.13	ppb v/v	0.1037	USEPA TO-15	9/14/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/14/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/14/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/14/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/14/01
Trichlorofluoromethane	0.51	ppb v/v	0.1839	USEPA TO-15	9/14/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/14/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/14/01
Freon 113	0.19	ppb v/v	0.161	USEPA TO-15	9/14/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/14/01
cis 1,2 Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/14/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/14/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/14/01
1,1,1-Trichloroethane	0.15	ppb v/v	0.0974	USEPA TO-15	9/14/01
Benzene	0.45	ppb v/v	0.1201	USEPA TO-15	9/14/01
Carbon Tetrachloride	0.12	ppb v/v	0.0922	USEPA TO-15	9/14/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/14/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/14/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/14/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/14/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01
Toluene	1.55	ppb v/v	0.0735	USEPA TO-15	9/14/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/14/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/14/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/14/01
Ethylbenzene	0.20	ppb v/v	0.0744	USEPA TO-15	9/14/01
m,p-Xylene	0.58	ppb v/v	0.1785	USEPA TO-15	9/14/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148201

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59-17 JUNCTION BOULEVARD
CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/14/01
o-Xylene	0.23	ppb v/v	0.0111	USEPA TO-15	9/14/01
1,3,5-Trimethylbenzene	0.09	ppb v/v	0.0757	USEPA TO-15	9/14/01
1,2,4-Trimethylbenzene	0.28	ppb v/v	0.1511	USEPA TO-15	9/14/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/14/01
1,4-Dichlorobenzene	0.19	ppb v/v	0.169	USEPA TO-15	9/14/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/14/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/14/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1978	USEPA TO-15	9/14/01

John Pednault
Lab Director

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NYS ELAP #10224
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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/13/01 11:08 PM	9/14/01	9/14/01	9/14/0

SAMPLE ID#: 01090163-003 **SAMPLE ORIGIN** CENTRAL PARK N. & LENOX , MANHATTAN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.69	ppb v/v	0.123	USEPA TO-15	9/14/01
Chloromethane	0.47	ppb v/v	0.1037	USEPA TO-15	9/14/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/14/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/14/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/14/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/14/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/14/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/14/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/14/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/14/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/14/01
cis 1,2 Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/14/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/14/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/14/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/14/01
Benzene	0.04	ppb v/v	0.1201	USEPA TO-15	9/14/01
Carbon Tetrachloride	0.13	ppb v/v	0.0922	USEPA TO-15	9/14/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/14/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/14/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/14/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/14/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01
Toluene	1.26	ppb v/v	0.0735	USEPA TO-15	9/14/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/14/01
Tetrachloroethene	0.10	ppb v/v	0.0845	USEPA TO-15	9/14/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/14/01
Ethylbenzene	0.24	ppb v/v	0.0744	USEPA TO-15	9/14/01
m,p-Xylene	0.70	ppb v/v	0.1785	USEPA TO-15	9/14/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148203

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/14/01
o-Xylene	0.26	ppb v/v	0.0111	USEPA TO-15	9/14/01
1,3,5-Trimethylbenzene	0.11	ppb v/v	0.0757	USEPA TO-15	9/14/01
1,2,4-Trimethylbenzene	0.31	ppb v/v	0.1511	USEPA TO-15	9/14/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/14/01
1,4-Dichlorobenzene	0.24	ppb v/v	0.169	USEPA TO-15	9/14/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/14/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1705	USEPA TO-15	9/14/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/14/01

John Pedneault
Lab Director

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NYS ELAP #10224
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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090180

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.09	ppb v/v	0.0896	USEPA TO-15	9/15/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/15/01
o-Xylene	0.9	ppb v/v	0.0111	USEPA TO-15	9/15/01
1,3,5-Trimethylbenzene	0.18	ppb v/v	0.0757	USEPA TO-15	9/15/01
1,2,4-Trimethylbenzene	0.66	ppb v/v	0.1511	USEPA TO-15	9/15/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/15/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/15/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/15/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/15/01
Hexachlorn-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/15/01
Tentatively Identified Compounds				USEPA TO-15	9/15/01
Methyl-tert-butyl ether	1.46	ppb v/v	0.128	USEPA TO-15	9/15/01

John Pedneault
Lab Director

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1615 NINTH AVENUE - [illegible] 205 BOHEMIA, NY 11716 PH. 631-467-8477 FAX : 631-467-6905

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AMERICA'S TEST LAB!

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59-17 JUNCTION BOULEVARD
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(718) 393-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205 BOHEMIA, N.Y. 11716

LAB#: 01090180

PROJECT ID WOR' D TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 3:00 PM	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-001 — SAMPLE ORIGIN BROADWAY AVE & 31st ST., QUEENS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.75	ppb v/v	0.123	USEPA TO-15	9/15/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/15/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2800	USEPA TO-15	9/15/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/15/01
Bromomethane	ND	ppb v/v	0.2416	USEPA TO-15	9/15/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/15/01
Trichlorofluoromethane	0.26	ppb v/v	0.1839	USEPA TO 15	9/15/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/15/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/15/01
Freon 113	0.25	ppb v/v	0.161	USEPA TO-15	9/15/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/15/01
cis-1,2-Dichloroethene	1.51	ppb v/v	0.1783	USEPA TO-15	9/15/01
Chloroform	14.7	ppb v/v	0.1681	USEPA TO-15	9/15/01
1,2-Dichloroethane	ND	ppb v/v	0.1668	USEPA TO-15	9/15/01
1,1,1-Trichloroethane	0.51	ppb v/v	0.0974	USEPA TO-15	9/15/01
Benzene	1.14	ppb v/v	0.1201	USEPA TO-15	9/15/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/15/01
1,2-Dichloropropane	ND	ppb v/v	0.1130	USEPA TO-15	9/15/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/15/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/15/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/15/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/15/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46076

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090180

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Toluene	4.37	ppb v/v	0.0735	USEPA TO-15	9/15/01
1,2-Dibromoethane	ND	ppb v/v	0.0071	USEPA TO-15	9/15/01
Totrachloroethene	5.83	ppb v/v	0.0845	USEPA TO-15	9/15/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/15/01
Ethylbenzene	1.17	ppb v/v	0.0744	USEPA TO-15	9/15/01
m,p-Xylene	3.97	ppb v/v	0.1785	USEPA TO-15	9/15/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/15/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/15/01
o-Xylene	1.75	ppb v/v	0.0111	USEPA TO-15	9/15/01
1,3,5-Trimethylbenzene	1.18	ppb v/v	0.0757	USEPA TO-15	9/15/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	9/15/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/15/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/15/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/15/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/15/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/15/01
Tentatively Identified Compounds				USEPA TO-15	9/15/01
3,3,5-Trimethyl heptane	73.6	ppb v/v		USEPA TO-15	9/15/01
Methyl-tert-butyl ether	5.21	ppb v/v	0.128	USEPA TO-15	9/15/01
2,3,6-Trimethylheptane	45.1	ppb v/v		USEPA TO-15	9/15/01
2,2-Dimethyl octane	74.1	ppb v/v		USEPA TO-15	9/15/01
n,n-di-2-propenyl urea	105	ppb v/v		USEPA TO-15	9/15/01
2,8-Dimethylundecane	206	ppb v/v		USEPA TO-15	9/15/01
3,7-Dimethyl nonane	107	ppb v/v		USEPA TO-15	9/15/01
2,3,6,7 Tetramethyloctane	76.9	ppb v/v		USEPA TO-15	9/15/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090180

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 4:24 PM	9/14/01	9/15/01	9/15/01

SAMPLE ORIGIN 138th St. & 3rd AVENUE, BRONX

SAMPLE ID#: 01090180-002	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.51	ppb v/v	0.123	USEPA TO-15	9/15/01
Chloromethane	0.60	ppb v/v	0.1037	USEPA TO-15	9/15/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2836	USEPA TO-15	9/15/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/15/01
Bromomethane	ND	ppb v/v	0.2410	USEPA TO-15	9/15/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/15/01
Trichlorofluoromethane	0.20	ppb v/v	0.1839	USEPA TO-15	9/15/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/15/01
Methylene chloride	ND	ppb v/v	0.1000	USEPA TO-15	9/15/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/15/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/15/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/15/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/15/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/15/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/15/01
Benzene	0.75	ppb v/v	0.1201	USEPA TO-15	9/15/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/15/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/15/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/15/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/15/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/15/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/15/01
Toluene	2.16	ppb v/v	0.0735	USEPA TO-15	9/15/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/15/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/15/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/15/01
Ethylbenzene	0.49	ppb v/v	0.0744	USEPA TO-15	9/15/01
m,p-Xylene	1.26	ppb v/v	0.1785	USEPA TO-15	9/15/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090180

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/15/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/15/01
o-Xylene	0.48	ppb v/v	0.0111	USEPA TO-15	9/15/01
1,3,5-Trimethylbenzene	0.21	ppb v/v	0.0757	USEPA TO-15	9/15/01
1,2,4-Trimethylbenzene	0.72	ppb v/v	0.1511	USEPA TO-15	9/15/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/15/01
1,4-Dichlorobenzene	0.28	ppb v/v	0.169	USEPA TO-15	9/15/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/15/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/15/01
Hexachloro 1,3 Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/15/01
Tentatively Identified Compounds				USEPA TO-15	9/15/01
Methyl-tert-butyl ether	1.47	ppb v/v	0.128	USEPA TO-15	9/15/01
2,2,4-Trimethyl heptane	1.08	ppb v/v		USEPA TO-15	9/15/01
2,2,5-Trimethyl decane	1.72	ppb v/v		USEPA TO-15	9/15/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46079

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090180

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 5:08 PM	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-003 — **SAMPLE ORIGIN** CENTRAL PARK N. & LENOX , MANHATTAN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	1.62	ppb v/v	0.123	USEPA TO-15	9/15/01
Chloromethane	1.87	ppb v/v	0.1037	USEPA TO-15	9/15/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/15/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/15/01
Bromomethane	ND	ppb v/v	0.2410	USEPA TO-15	9/15/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/15/01
Trichlorofluoromethane	0.48	ppb v/v	0.1639	USEPA TO-15	9/15/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/15/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/15/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/15/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/15/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/15/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/15/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/15/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/15/01
Benzene	0.91	ppb v/v	0.1201	USEPA TO-15	9/15/01
Carbon Tetrachloride	0.10	ppb v/v	0.0922	USEPA TO-15	9/15/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/15/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/15/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/15/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/15/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/15/01
Toluene	2.65	ppb v/v	0.0735	USEPA TO-15	9/15/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/15/01
Tetrachloroethene	0.13	ppb v/v	0.0845	USEPA TO-15	9/15/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/15/01
Ethylbenzene	0.49	ppb v/v	0.0744	USEPA TO-15	9/15/01
m,p Xylene	1.31	ppb v/v	0.1785	USEPA TO-15	9/15/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148211

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090180

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.11	ppb v/v	0.0896	USEPA TO-15	9/15/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/15/01
o-Xylene	0.50	ppb v/v	0.0111	USEPA TO-15	9/15/01
1,3,5-Trimethylbenzene	0.18	ppb v/v	0.0757	USEPA TO-15	9/15/01
1,2,4-Trimethylbenzene	0.60	ppb v/v	0.1511	USEPA TO-15	9/15/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/15/01
1,4-Dichlorobenzene	0.28	ppb v/v	0.169	USEPA TO-15	9/15/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/15/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1705	USEPA TO-15	9/15/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/15/01
Tentatively Identified Compounds				USEPA TO-15	9/15/01
Methyl-tert-butyl ether	3.37	ppb v/v	0.128	USEPA TO-15	9/15/01
2-Methyl butane	1.76	ppb v/v		USEPA TO-15	9/15/01
2,2,7,7-Tetramethyl octane	2.56	ppb v/v		USEPA TO-15	9/15/01
2,2,8-Trimethyldecane	1.08	ppb v/v		USEPA TO-15	9/15/01
2,6-Dimethylundecane	1.65	ppb v/v		USEPA TO-15	9/15/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090180

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 6:08 PM	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-004 — **SAMPLE ORIGIN** BERRY ST. & NORTH 11th ST, BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.62	ppb v/v	0.123	USEPA TO-15	9/15/01
Chloromethane	0.43	ppb v/v	0.1037	USEPA TO-15	9/15/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/15/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/15/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/15/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/15/01
Trichlorofluoromethane	0.24	ppb v/v	0.1839	USEPA TO-15	9/15/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/15/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/15/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/15/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/15/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/15/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/15/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/15/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/15/01
Benzene	0.45	ppb v/v	0.1201	USEPA TO-15	9/15/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/15/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/15/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/15/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0024	USEPA TO 15	9/15/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/15/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/15/01
Toluene	2.48	ppb v/v	0.0735	USEPA TO-15	9/15/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/15/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/15/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/15/01
Ethylbenzene	0.39	ppb v/v	0.0744	USEPA TO-15	9/15/01
m,p-Xylene	1.10	ppb v/v	0.1785	USEPA TO-15	9/15/01

John Pedneault
Lab Director

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59-17 JUNCTION BOULEVARD	LAB#: 01090180
CORONA , NY 11368	PROJECT ID WORLD TRADE CENTER
(718) 595-6431	MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/15/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/15/01
o-Xylene	0.39	ppb v/v	0.0111	USEPA TO-15	9/15/01
1,3,5-Trimethylbenzene	0.13	ppb v/v	0.0757	USEPA TO-15	9/15/01
1,2,4-Trimethylbenzene	0.39	ppb v/v	0.1511	USEPA TO-15	9/15/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/15/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/15/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/15/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1765	USEPA TO-15	9/15/01
Hexachloro 1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/15/01
Tentatively Identified Compounds				USEPA TO-15	9/15/01
Methyl-tert-butyl ether	1.69	ppb v/v	0.128	USEPA TO-15	9/15/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090180

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 8:00 PM	9/14/01	9/15/01	9/15/01

SAMPLE ORIGIN ATLANTIC AVE. & SMITH ST., BROOKLYN

SAMPLE ID : 01090180-005	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.13	ppb v/v	0.123	USEPA TO-15	9/15/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/15/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2866	USEPA TO-15	9/15/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/15/01
Bromomethane	ND	ppb v/v	0.2416	USEPA TO-15	9/15/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/15/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/15/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/15/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/15/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/15/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/15/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/15/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/15/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/15/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/15/01
Benzene	0.30	ppb v/v	0.1201	USEPA TO-15	9/15/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/15/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/15/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/15/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0024	USEPA TO 15	9/15/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/15/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/15/01
Toluene	1.27	ppb v/v	0.0735	USEPA TO-15	9/15/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/15/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/15/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/15/01
Ethylbenzene	0.34	ppb v/v	0.0744	USEPA TO-15	9/15/01
m,p-Xylene	0.70	ppb v/v	0.1785	USEPA TO-15	9/15/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #45075

NYC-WTC_000148215

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LAB#: 01090180

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0898	USEPA TO-15	9/15/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/15/01
o-Xylene	0.28	ppb v/v	0.0111	USEPA TO-15	9/15/01
1,3,5-Trimethylbenzene	0.12	ppb v/v	0.0757	USEPA TO-15	9/15/01
1,2,4-Trimethylbenzene	0.41	ppb v/v	0.1511	USEPA TO-15	9/15/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/15/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/15/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/15/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1705	USEPA TO-15	9/15/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/15/01
Tentatively Identified Compounds				USEPA TO-15	9/15/01
Methyl-tert-butyl ether	0.57	ppb v/v	0.128	USEPA TO-15	9/15/01
Hexadecane	0.93	ppb v/v		USEPA TO-15	9/15/01
2,2,6-Trimethyl octane	0.92	ppb v/v		USEPA TO-15	9/15/01

John Pedneault
Lab Director

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MWBE #46075

NYC-WTC_000148216

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1615 NINTH AVENUE, BOX 203, BOHEMIA, N.Y. 11716

LAB#: 01090180

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 9:00 PM	9/14/01	9/15/01	9/15/01

SAMPLE ID#: 01090180-006 **SAMPLE ORIGIN** BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.57	ppb v/v	0.123	USEPA TO-15	9/15/01
Chloromethane	0.62	ppb v/v	0.1037	USEPA TO-15	9/15/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/15/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/15/01
Bromomethane	ND	ppb v/v	0.2410	USEPA TO-15	9/15/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/15/01
Trichlorofluoromethane	0.28	ppb v/v	0.1639	USEPA TO-15	9/15/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/15/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/15/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/15/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/15/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/15/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/15/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/15/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/15/01
Benzene	0.58	ppb v/v	0.1201	USEPA TO-15	9/15/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/15/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/15/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/15/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/15/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/15/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/15/01
Toluene	2.19	ppb v/v	0.0735	USEPA TO-15	9/15/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/15/01
Tetrachloroethene	0.13	ppb v/v	0.0845	USEPA TO-15	9/15/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/15/01
Ethylbenzene	0.44	ppb v/v	0.0744	USEPA TO-15	9/15/01
m,p-Xylene	1.06	ppb v/v	0.1785	USEPA TO-15	9/15/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

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MWBE #46075

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BOHEMIA, N.Y. 11716
Phone: (631) 467-8477 Fax: (631) 467-6905

AMERICA'S TEST LAB!

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 7:40 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-001 **MATRIX** AIR/GAS **SAMPLE ORIGIN:** BROADWAY AVE & 31st ST., QUEENS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.11	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Arsenic (As)	OSHA ID121	0.04	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.07	mg/m3
Chromium (Cr)	OSHA ID121	<0.01	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.20	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.08	mg/m3
Sodium (Na)	OSHA ID121	<0.01	mg/m3
Thallium (Tl)	OSHA ID121	0.03	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.03	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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LAB NUMBER: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 8:30 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-002 **MATRL:** AIRGAS **SAMPLE ORIGIN:** 138th St. & 3rd AVENUE, BRONX

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.06	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.30	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	0.02	mg/m3
Lead (Pb)	OSHA ID121	0.02	mg/m3
Magnesium (Mg)	OSHA ID121	0.23	mg/m3
Manganese (Mn)	OSHA ID121	0.26	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.02	mg/m3
Sodium (Na)	OSHA ID121	1.62	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.23	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148219

NYC 9/11 Public Portal Document

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N.Y.C. D.E.P. HAZMAT DIVISION
59-17 JUNCTION BOULEVARD
CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 9:05 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-003 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** CENTRAL PARK N. & LENOX , MANHATTAN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.11	mg/m3
Arsenic (As)	OSHA ID121	0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.02	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.15	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.09	mg/m3
Sodium (Na)	OSHA ID121	0.74	mg/m3
Thallium (Tl)	OSHA ID121	0.04	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.29	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
NWBE #46075

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 10:30 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-004 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BERRY ST. & NORTH 11th ST, BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.04	mg/m3
Antimony (Sb)	OSHA ID121	0.12	mg/m3
Arsenic (As)	OSHA ID121	0.03	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.73	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.11	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.03	mg/m3
Sodium (Na)	OSHA ID121	<0.01	mg/m3
Thallium (Tl)	OSHA ID121	0.05	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.19	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 11:05 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-005 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** ATLANTIC AVE. & SMITH ST., BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.36	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.25	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Sodium (Na)	OSHA ID121	0.60	mg/m3
Thallium (Tl)	OSHA ID121	0.02	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10324
MWBE #46075

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LAB NUMBER: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 11:55 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-006 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BAY ST & VICTORY BL D., STATEN ISLAND

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.06	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.18	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.22	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Sodium (Na)	OSHA ID121	0.33	mg/m3
Thallium (Tl)	OSHA ID121	<0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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LAB NUMBER: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 6:00 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-007 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** TRIP BLANKS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.16	mg/m3
Antimony (Sb)	OSHA ID121	0.03	mg/m3
Arsenic (As)	OSHA ID121	0.01	mg/m3
Copper (Cu)	OSHA ID121	0.08	µg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.01	mg/m3
Cadmium (Cd)	OSHA ID121	0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.22	mg/m3
Chromium (Cr)	OSHA ID121	0.31	mg/m3
Iron (Fe)	OSHA ID121	0.14	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	<0.01	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.11	mg/m3
Sodium (Na)	OSHA ID121	<0.01	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.59	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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AMERICA'S TEST LAB!

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LAB#: 01090183
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 7:40 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-001 **SAMPLE ORIGIN** BROADWAY AVE & 31st ST., QUEENS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.71	ppb v/v	0.123	USEPA TO-15	9/17/01
Chloromethane	0.96	ppb v/v	0.1037	USEPA TO-15	9/17/01
1,2 Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/17/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/17/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/17/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/17/01
Trichlorofluoromethane	0.21	ppb v/v	0.1839	USEPA TO-15	9/17/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/17/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/17/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/17/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/17/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/17/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/17/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/17/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/17/01
Benzene	1.83	ppb v/v	0.1201	USEPA TO-15	9/17/01
Carbon Tetrachloride	0.15	ppb v/v	0.0922	USEPA TO-15	9/17/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/17/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/17/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/17/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/17/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/17/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

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LAB#: 01090183
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Toluene	6.55	ppb v/v	0.0736	USEPA TO-15	9/17/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/17/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/17/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/17/01
Ethylbenzene	1.41	ppb v/v	0.0744	USEPA TO-15	9/17/01
m,p-Xylene	3.52	ppb v/v	0.1785	USEPA TO-15	9/17/01
Styrene	0.26	ppb v/v	0.0896	USEPA TO-15	9/17/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/17/01
o-Xylene	1.26	ppb v/v	0.0111	USEPA TO-15	9/17/01
1,3,5-Trimethylbenzene	0.43	ppb v/v	0.0757	USEPA TO-15	9/17/01
1,2,4-Trimethylbenzene	1.39	ppb v/v	0.1511	USEPA TO-15	9/17/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/17/01
1,4-Dichlorobenzene	0.21	ppb v/v	0.169	USEPA TO-15	9/17/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/17/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/17/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/17/01
Tentatively Identified Compounds				USEPA TO-15	9/17/01
Methyl-tert-butyl ether	5.59	ppb v/v	0.128	USEPA TO-15	9/17/01
4,4-Dimethyl-2-Oxetanone	1.10	ppb v/v		USEPA TO-15	9/17/01
2-Methylbutane	1.62	ppb v/v		USEPA TO-15	9/17/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 8:30 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-002 **SAMPLE ORIGIN** 138th St. & 3rd AVENUE, BRONX

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.63	ppb v/v	0.123	USEPA TO-15	9/16/01
Chloromethane	0.50	ppb v/v	0.1037	USEPA TO-15	9/16/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/16/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/16/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/16/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/16/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/16/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/16/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/16/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/16/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/16/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/16/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/16/01
1,2-Dichloroethane	ND	ppb v/v	0.1686	USEPA TO-15	9/16/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/16/01
Benzene	0.50	ppb v/v	0.1201	USEPA TO-15	9/16/01
Carbon Tetrachloride	0.12	ppb v/v	0.0922	USEPA TO-15	9/16/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/16/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/16/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/16/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/16/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/16/01
Toluene	0.33	ppb v/v	0.0735	USEPA TO-15	9/16/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/16/01
Tetrachloroethene	0.22	ppb v/v	0.0845	USEPA TO-15	9/16/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/16/01
Ethylbenzene	0.24	ppb v/v	0.0744	USEPA TO-15	9/16/01
m,p-Xylene	0.72	ppb v/v	0.1785	USEPA TO-15	9/16/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

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LAB#: 01090183
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.10	ppb v/v	0.0896	USEPA TO-15	9/16/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/16/01
o-Xylene	0.26	ppb v/v	0.0111	USEPA TO-15	9/16/01
1,3,5-Trimethylbenzene	0.10	ppb v/v	0.0757	USEPA TO-15	9/16/01
1,2,4-Trimethylbenzene	0.29	ppb v/v	0.1011	USEPA TO-15	9/16/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/16/01
1,4-Dichlorobenzene	0.24	ppb v/v	0.169	USEPA TO-15	9/16/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/16/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/16/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/16/01
Tentatively Identified Compounds				USEPA TO-15	9/16/01
Methyl-tert-butyl ether	0.94	ppb v/v	0.128	USEPA TO-15	9/16/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 9:05 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-003 **SAMPLE ORIGIN** CENTRAL PARK N. & LENOX , MANHATTAN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.62	ppb v/v	0.123	USEPA TO-15	9/16/01
Chloromethane	0.58	ppb v/v	0.1037	USEPA TO-15	9/16/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/16/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/16/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/16/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/16/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/16/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/16/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/16/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/16/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/16/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/16/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/16/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/16/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/16/01
Benzene	2.75	ppb v/v	0.1201	USEPA TO-15	9/16/01
Carbon Tetrachloride	0.12	ppb v/v	0.0922	USEPA TO-15	9/16/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/16/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/16/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/16/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/16/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/16/01
Toluene	6.18	ppb v/v	0.0735	USEPA TO-15	9/16/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/16/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/16/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/16/01
Ethylbenzene	1.37	ppb v/v	0.0744	USEPA TO-15	9/16/01
m,p-Xylene	3.50	ppb v/v	0.1785	USEPA TO-15	9/16/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148229

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N.Y.C. D.E.P. HAZMAT DIVISION
59-17 JUNCTION BOULEVARD
CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.36	ppb v/v	0.0896	USEPA TO-15	9/16/01
1,1,2,2-Tetrachloroethane	ND	pb v/v	0.1471	USEPA TO-15	9/16/01
o-Xylene	1.26	ppb v/v	0.0111	USEPA TO-15	9/16/01
1,3,5-Trimethylbenzene	0.35	ppb v/v	0.0757	USEPA TO-15	9/16/01
1,2,4-Trimethylbenzene	1.16	ppb v/v	0.1511	USEPA TO-15	9/16/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/16/01
1,4-Dichlorobenzene	0.19	ppb v/v	0.169	USEPA TO-15	9/16/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/16/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/16/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/16/01
Tentatively Identified Compounds				USEPA TO-15	9/16/01
Methyl-tert-butyl ether	1.42		0.128	USEPA TO-15	9/16/01
2-Methylbutane	1.42			USEPA TO-15	9/16/01
2-Methyl-1-propene	2.36			USEPA TO-15	9/16/01

John Pedneault
Lab Director

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED		RELEASE DATE		REPORT DATE
9/15/01 10:30 PM	9/16/01		/17/01		9/17/01
SAMPLE ID#: 01090183-004	SAMPLE ORIGIN BERRY ST. & NORTH 11th ST, BROOKLYN				
	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	1.04	ppb v/v	0.123	USEPA TO-15	9/16/01
Chloromethane	0.51	ppb v/v	0.1037	USEPA TO-15	9/16/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/16/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/16/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO 15	9/16/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/16/01
Trichlorofluoromethane	0.19	ppb v/v	0.1839	USEPA TO-15	9/16/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/16/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/16/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/16/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/16/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/16/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/16/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/16/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/16/01
Benzene	0.09	ppb v/v	0.1201	USEPA TO-15	9/16/01
Carbon Tetrachloride	0.12	ppb v/v	0.0922	USEPA TO-15	9/16/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/16/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/16/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/16/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/16/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0898	USEPA TO-15	9/16/01
Toluene	1.82	ppb v/v	0.0735	USEPA TO-15	9/16/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/16/01
Tetrachloroethene	0.13	ppb v/v	0.0845	USEPA TO-15	9/16/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/16/01
Ethylbenzene	0.30	ppb v/v	0.0744	USEPA TO-15	9/16/01
m,p-Xylene	0.89	ppb v/v	0.1785	USEPA TO-15	9/16/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/16/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/16/01
o-Xylene	0.32	ppb v/v	0.0111	USEPA TO-15	9/16/01
1,3,5-Trimethylbenzene	0.17	ppb v/v	0.0 57	USEPA TO-15	9/16/01
1,2,4-Trimethylbenzene	0.52	ppb v/v	0.1011	USEPA TO-15	9/16/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/16/01
1,4-Dichlorobenzene	0.23	ppb v/v	0.169	USEPA TO-15	9/16/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/16/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/16/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/16/01
Tentatively Identified Compounds				USEPA TO-15	9/16/01
Methyl-tert-butyl ether	1.38	ppb v/v	0.128	USEPA TO-15	9/16/01

John Pedneault
Lab Director

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 11:05 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-005 **SAMPLE ORIGIN** ATLANTIC AVE. & SMITH ST., BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.78	ppb v/v	0.123	USEPA TO-15	9/16/01
Chloromethane	0.71	ppb v/v	0.1037	USEPA TO-15	9/16/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/16/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/16/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/16/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/16/01
Trichlorofluoromethane	0.23	ppb v/v	0.1839	USEPA TO-15	9/16/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/16/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/16/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/16/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/16/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/16/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/16/01
1,2-Dichloroethane	ND	ppb v/v	0.1668	USEPA TO-15	9/16/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/16/01
Benzene	1.73	ppb v/v	0.1201	USEPA TO-15	9/16/01
Carbon Tetrachloride	0.14	ppb v/v	0.0922	USEPA TO-15	9/16/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/16/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/16/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/16/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/16/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/16/01
Toluene	4.13	ppb v/v	0.0735	USEPA TO-15	9/16/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/16/01
Tetrachloroethene	0.43	ppb v/v	0.0845	USEPA TO-15	9/16/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/16/01
Ethylbenzene	0.63	ppb v/v	0.0744	USEPA TO-15	9/16/01
m,p-Xylene	1.80	ppb v/v	0.1785	USEPA TO-15	9/16/01

John Pedneault
Lab Director

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NYS ELAP #10224
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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.27	ppb v/v	0.0898	USEPA TO-15	9/16/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/16/01
o-Xylene	0.65	ppb v/v	0.0111	USEPA TO-15	9/16/01
1,3,5-Trimethylbenzene	0.34	ppb v/v	0.0757	USEPA TO-15	9/16/01
1,2,4-Trimethylbenzene	1.00	ppb v/v	0.1011	USEPA TO-15	9/16/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/16/01
1,4-Dichlorobenzene	0.50	ppb v/v	0.169	USEPA TO-15	9/16/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/16/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1765	USEPA TO-15	9/16/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/16/01
Tentatively Identified Compounds				USEPA TO-15	9/16/01
Methyl-tert-butyl ether	2.87		0.128	USEPA TO-15	9/16/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 11:55 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-006 **SAMPLE ORIGIN** BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.72	ppb v/v	0.123	USEPA TO-15	9/17/01
Chloromethane	0.64	ppb v/v	0.1037	USEPA TO-15	9/17/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2866	USEPA TO-15	9/17/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/17/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/17/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/17/01
Trichlorofluoromethane	0.20	ppb v/v	0.1839	USEPA TO-15	9/17/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/17/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/17/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/17/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/17/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/17/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/17/01
1,2-Dichloroethane	ND	ppb v/v	0.1668	USEPA TO-15	9/17/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/17/01
Benzene	2.60	ppb v/v	0.1201	USEPA TO-15	9/17/01
Carbon Tetrachloride	0.12	ppb v/v	0.0922	USEPA TO-15	9/17/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/17/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/17/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/17/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/17/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/17/01
Toluene	6.19	ppb v/v	0.0735	USEPA TO-15	9/17/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/17/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/17/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/17/01
Ethylbenzene	0.68	ppb v/v	0.0744	USEPA TO-15	9/17/01
m,p-Xylene	2.49	ppb v/v	0.1785	USEPA TO-15	9/17/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.27	ppb v/v	0.0896	USEPA TO-15	9/17/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/17/01
o-Xylene	0.84	ppb v/v	0.0111	USEPA TO-15	9/17/01
1,3,5-Trimethylbenzene	0.28	ppb v/v	0.0757	USEPA TO-15	9/17/01
1,2,4-Trimethylbenzene	0.91	ppb v/v	0.1511	USEPA TO-15	9/17/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/17/01
1,4-Dichlorobenzene	0.18	ppb v/v	0.169	USEPA TO-15	9/17/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/17/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/17/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/17/01
Tentatively Identified Compounds				USEPA TO-15	9/17/01
Methyl-tert-butyl ether	9.18	ppb v/v	0.128	USEPA TO-15	9/17/01
Butane	2.65	ppb v/v		USEPA TO-15	9/17/01
Pentane	2.14	ppb v/v		USEPA TO-15	9/17/01
2-Methylbutane	5.83	ppb v/v		USEPA TO-15	9/17/01
3-Methylpentane	1.06	ppb v/v		USEPA TO-15	9/17/01
Methylcycloheptane	1.07	ppb v/v		USEPA TO-15	9/17/01
2-Methyl-1-propene	1.20	ppb v/v		USEPA TO-15	9/17/01

John Pedneault
Lab Director

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MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 6:00 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-007 — SAMPLE ORIGIN TRIP BLANKS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	ND	ppb v/v	0.123	USEPA TO-15	9/17/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/17/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/17/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/17/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO 15	9/17/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/17/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/17/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/17/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/17/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/17/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/17/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/17/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/17/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/17/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/17/01
Benzene	ND	ppb v/v	0.1201	USEPA TO-15	9/17/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/17/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/17/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/17/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/17/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/17/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/17/01
Toluene	ND	ppb v/v	0.0735	USEPA TO-15	9/17/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/17/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/17/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/17/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	9/17/01
m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	9/17/01

John Pednoault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148237

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090183
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/17/01
,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/17/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	9/17/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	9/17/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1611	USEPA TO-15	9/17/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/17/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/17/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/17/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/17/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/17/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

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Phone: (631) 467-8477 Fax: (631) 467-6905

AMERICA'S TEST LAB!

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090186

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 7:15 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-001 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BROADWAY AVE & 31st ST., QUEENS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.04	mg/m3
Copper (Cu)	OSHA ID121	0.01	µg/m3
Arsenic (As)	OSHA ID121	0.01	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	0.01	mg/m3
Calcium (Ca)	OSHA ID121	2.0	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	0.08	mg/m3
Lead (Pb)	OSHA ID121	0.03	mg/m3
Magnesium (Mg)	OSHA ID121	0.41	mg/m3
Manganese (Mn)	OSHA ID121	0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.02	mg/m3
Potassium (K)	OSHA ID121	0.45	mg/m3
Selenium (Se)	OSHA ID121	0.04	mg/m3
Sodium (Na)	OSHA ID121	2.41	mg/m3
Thallium (Tl)	OSHA ID121	0.02	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10221
MWBE #46075

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090186

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 8:00 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-002 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** 138th St. & 3rd AVENUE, BRONX

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	0.28	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.95	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	0.05	mg/m3
Lead (Pb)	OSHA ID121	0.03	mg/m3
Magnesium (Mg)	OSHA ID121	0.27	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.05	mg/m3
Sodium (Na)	OSHA ID121	1.81	mg/m3
Thallium (Tl)	OSHA ID121	0.02	mg/m3
Zinc (Zn)	OSHA ID121	0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 1:10 AM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-004 **SAMPLE ORIGIN** BERRY ST. & NORTH 11 ST., BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.66	ppb v/v	0.123	USEPA TO-15	9/14/01
Chloromethane	0.49	ppb v/v	0.1037	USEPA TO-15	9/14/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/14/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/14/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/14/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/14/01
Trichlorofluoromethane	0.41	ppb v/v	0.1839	USEPA TO-15	9/14/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/14/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO 15	9/14/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/14/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/14/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/14/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/14/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/14/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/14/01
Benzene	0.17	ppb v/v	0.1201	USEPA TO-15	9/14/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/14/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/14/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/14/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0921	USEPA TO-15	9/14/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/14/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01
Toluene	0.59	ppb v/v	0.0735	USEPA TO-15	9/14/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/14/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/14/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/14/01
Ethylbenzene	0.09	ppb v/v	0.0744	USEPA TO-15	9/14/01
m,p-Xylene	0.30	ppb v/v	0.1785	USEPA TO-15	9/14/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/14/01
o-Xylene	0.11	ppb v/v	0.0111	USEPA TO-15	9/14/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	9/14/01
1,2,4-Trimethylbenzene	0.21	ppb v/v	0.1511	USEPA TO-15	9/14/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/14/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/14/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/14/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/14/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/14/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 1:45 AM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-005 **SAMPLE ORIGIN** ATLANTIC AVE. & SMITH ST., BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.63	ppb v/v	0.123	USEPA TO-15	9/14/01
Chloromethane	0.44	ppb v/v	0.1037	USEPA TO-15	9/14/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/14/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/14/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/14/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/14/01
Trichlorofluoromethane	0.25	ppb v/v	0.1839	USEPA TO-15	9/14/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/14/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/14/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/14/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/14/01
cis 1,2 Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/14/01
Chloroform	0.91	ppb v/v	0.1681	USEPA TO-15	9/14/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/14/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/14/01
Benzene	0.10	ppb v/v	0.1201	USEPA TO-15	9/14/01
Carbon Tetrachloride	0.12	ppb v/v	0.0922	USEPA TO-15	9/14/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/14/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/14/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/14/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/14/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01
Toluene	0.34	ppb v/v	0.0736	USEPA TO-15	9/14/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/14/01
Tetrachloroethene	0.16	ppb v/v	0.0645	USEPA TO-15	9/14/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/14/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	9/14/01
m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	9/14/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0696	USEPA TO-15	9/14/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/14/01
o-Xylene	0.06	ppb v/v	0.0111	USEPA TO-15	9/14/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	9/14/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	9/14/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1664	USEPA TO-15	9/14/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/14/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/14/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1705	USEPA TO-15	9/14/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/14/01

John Pedneault
Lab Director

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 2:30 AM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-006 **SAMPLE ORIGIN** BAY ST. & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.66	ppb v/v	0.123	USEPA TO-15	9/14/01
Chloromethane	0.52	ppb v/v	0.1037	USEPA TO-15	9/14/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/14/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/14/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/14/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/14/01
Trichlorofluoromethane	0.27	ppb v/v	0.1839	USEPA TO-15	9/14/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/14/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO 15	9/14/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/14/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/14/01
cis 1,2 Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/14/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/14/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/14/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/14/01
Benzene	0.12	ppb v/v	0.1201	USEPA TO-15	9/14/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/14/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/14/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/14/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/14/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/14/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01
Toluene	0.43	ppb v/v	0.0735	USEPA TO-15	9/14/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/14/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/14/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/14/01
Ethylbenzene	0.17	ppb v/v	0.0744	USEPA TO-15	9/14/01
m,p-Xylene	0.34	ppb v/v	0.1785	USEPA TO-15	9/14/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/14/01
o-Xylene	0.17	ppb v/v	0.0111	USEPA TO-15	9/14/01
1,3,5-Trimethylbenzene	0.09	ppb v/v	0.0757	USEPA TO-15	9/14/01
1,2,4-Trimethylbenzene	0.33	ppb v/v	0.1511	USEPA TO-15	9/14/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1664	USEPA TO-15	9/14/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/14/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/14/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/14/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/14/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-007 **SAMPLE ORIGIN** FIELD BLANK

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	ND	ppb v/v	0.123	USEPA TO-15	9/14/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/14/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/14/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/14/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/14/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/14/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/14/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/14/01
Methylene chloride	0.60	ppb v/v	0.1909	USEPA TO-15	9/14/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/14/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/14/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/14/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/14/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/14/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/14/01
Benzene	ND	ppb v/v	0.1201	USEPA TO-15	9/14/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/14/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/14/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/14/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO 15	9/14/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/14/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/14/01
Toluene	ND	ppb v/v	0.0735	USEPA TO-15	9/14/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/14/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/14/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/14/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	9/14/01
m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	9/14/01

John Pedneault
Lab Director

ND--RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #48075

NYC-WTC_000148247

NYC 9/11 Public Portal Document

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59-17 JUNCTION BOULEVARD
CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090163

PROJECT ID WORLD TRADE CENTER-HAZMAT RESPONSE

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0898	USEPA TO-15	9/14/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/14/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	9/14/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	9/14/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	9/14/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1664	USEPA TO-15	9/14/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/14/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/14/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/14/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/14/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148248

NYC 9/11 Public Portal Document

RIVERPOINT, Inc.
7 Hillside Ave., New Rochelle, NY 10801

Tel. No.: (914) 632-1552
Facsimile No.: (914) 632-1558

FAX TRANSMITTAL

TO: Mr. M. Fawzi DATE: 10/24/01

Fax No.: (718) 595 4690

Attn.: _____

Number of pages, including this page: 3

Comments:

TEM Air sample results

Attached are lab results from air samples analyzed by PCM first, and showed levels exceeding 0.01 F/cc. The samples were collected during the period 10/5 - 10/22.

Interestingly, all samples, re-analyzed by TEM, found "no asbestos structures detected"

Sent by: Birger Fluemes

NYC-WTC_000148249

NYC-WTC_000148250

NYC 9/11 Public Portal Document
10/24/2001 12:36 9146321558 RIVERPOINT PAGE 02

OCT 24 2001 00:00 212 577 0332 SCIENTIFIC LABS P.02/02

SciLab Job #: 201103187
Client Name: Riverpoint, Inc.

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
101171; WTC DEP; WTC

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	a Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns) 0.5-5.0	>5.0	Total	Structure Density (struc/sq. mm.) >5.0	Total	Structure Concentration (struc/cc air) >5.0	Total	Type of Asbestos
01	201006 Vesey/West Broadway		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
02	051007 Fulton/Church		720	.1	0.0053	0.0	0.0	0.0	<10	<10	<0.0053	<0.0053	NSD
03	101008 West/Albany		666	.1	0.0058	0.0	0.0	0.0	<10	<10	<0.0058	<0.0058	NSD
04	011009 Park Pl/Church		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
05	021009 Park Pl/Greenwich		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
06	200910 Vesey/West Broadway		507	.1	0.0076	0.0	0.0	0.0	<10	<10	<0.0076	<0.0076	NSD
07	051011 Fulton/Church		732	.1	0.0053	0.0	0.0	0.0	<10	<10	<0.0053	<0.0053	NSD
08	011012 Park Pl/Church		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
09	021012 Park Pl/Greenwich		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
10	021014 Park Pl/Greenwich		630	.1	0.0061	0.0	0.0	0.0	<10	<10	<0.0061	<0.0061	NSD
11	051015 Fulton/Church		690	.1	0.0056	0.0	0.0	0.0	<10	<10	<0.0056	<0.0056	NSD
12	201015 Vesey/West Broadway		705	.1	0.0055	0.0	0.0	0.0	<10	<10	<0.0055	<0.0055	NSD
13	051016 Fulton/Church		705	.1	0.0055	0.0	0.0	0.0	<10	<10	<0.0055	<0.0055	NSD
14	081016 Gateway Plaza		700	.1	0.0055	0.0	0.0	0.0	<10	<10	<0.0055	<0.0055	NSD

a concentration represented by the detection of 1 structure
* not analyzed
NSD No Asbestos Structures Detected

Reviewed By: Lance Lubin; Analyzed By: AB Aleksandr Barengolts Date: 10/23/01

NVLAP#: 2CC546-0

NYC-WTC_00014825

NYC 9/11 Public Portal Document
10/24/2001 12:36 9146321558 RIVERPOINT PAGE 03

OCT-24-2001 08:00 212 679 9392 P.03/05

SciLab Job #: 201103187
Client Name: Riverpoint, Inc.

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
101171; WTC DEP; WTC

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns) 0.5-5.0	>5.0	Total	Structure Density (struc/sq. mm.) >5.0	Total	Structure Concentration (struc/cc air) >5.0	Total	Type of Asbestos
15	011017 Park Pl/Church		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
16	021017 Park Pl/Greenwich		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
17	061017 Warren/North End		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
18	051017 Fulton/Church		690	.1	0.0056	0.0	0.0	0.0	<10	<10	<0.0056	<0.0056	NSD
19	201017 Vesey/West Broadway		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
20	051018 Fulton/Church		690	.1	0.0056	0.0	0.0	0.0	<10	<10	<0.0056	<0.0056	NSD
21	021019 Park Pl/Greenwich		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
22	201019 Vesy/West Broadway		720	.1	0.0053	0.0	0.0	0.0	<10	<10	<0.0053	<0.0053	NSD
23	021020 Park Pl/Greenwich		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
24	061020 Warren/North End		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
25	051020 Fulton/Church		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
26	201020 Vesey/West Broadway		652	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
27	011021 Fulton/Church		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
28	191022 Trinity Pl/Jusmes		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD

SCIENTIFIC LABS

' concentration represented by the detection of 1 structure
* not analyzed
NSD: No Asbestos Structures Detected

Reviewed By: _____; Analyzed By: AB Aleksandr Barengolts Date: 10/23/01

NVLAP#: 200546-0

NYC 9/11 Public Portal Document

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N.Y.C. D.E.P. HAZMAT DIVISION
59-17 JUNCTION BOULEVARD
CORONA , NY 1136?
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090186

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 8:30 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-003 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** CENTRAL PARK N. & LENOX , MANHATTAN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.21	mg/m3
Antimony (Sb)	OSHA ID121	0.16	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	0.05	µg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.57	mg/m3
Chromium (Cr)	OSHA ID121	<0.01	mg/m3
Iron (Fe)	OSHA ID121	0.48	mg/m3
Lead (Pb)	OSHA ID121	0.03	mg/m3
Magnesium (Mg)	OSHA ID121	0.33	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.07	mg/m3
Potassium (K)	OSHA ID121	0.06	mg/m3
Selenium (Se)	OSHA ID121	0.09	mg/m3
Sodium (Na)	OSHA ID121	2.88	mg/m3
Thallium (Tl)	OSHA ID121	0.02	mg/m3
Zinc (Zn)	OSHA ID121	0.02	mg/m3
Silver (Ag)	OSHA ID121	0.05	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NY3 ELAP #10224
MWBE #46075

NYC-WTC_000148252

NYC 9/11 Public Portal Document

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59-17 JUNCTION BOULEVARD
CORONA , NY 11368
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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090186

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 9:30 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-004 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BERRY ST. & NORTH 11th ST, BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.07	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.53	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	0.02	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.31	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.03	mg/m3
Selenium (Se)	OSHA ID121	0.05	mg/m3
Sodium (Na)	OSHA ID121	1.43	mg/m3
Thallium (Tl)	OSHA ID121	0.03	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148253

NYC 9/11 Public Portal Document

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CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090186

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 10:10 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-005 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** ATLANTIC AVE. & SMITH ST., BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.06	mg/m3
Antimony (Sb)	OSHA ID121	0.22	mg/m3
Copper (Cu)	OSHA ID121	0.07	µg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.68	mg/m3
Chromium (Cr)	OSHA ID121	0.04	mg/m3
Iron (Fe)	OSHA ID121	0.08	mg/m3
Lead (Pb)	OSHA ID121	0.07	mg/m3
Magnesium (Mg)	OSHA ID121	0.34	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.01	mg/m3
Potassium (K)	OSHA ID121	0.18	mg/m3
Selenium (Se)	OSHA ID121	0.05	mg/m3
Sodium (Na)	OSHA ID121	2.48	mg/m3
Thallium (Tl)	OSHA ID121	<0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.06	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148254

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59-17 JUNCTION BOULEVARD
CORONA , NY 11368
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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090186

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 11:05 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-006 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BAY ST & VICTORY BLVD., STATEN ISLAND

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.04	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.47	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	0.04	mg/m3
Lead (Pb)	OSHA ID121	0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.30	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.05	mg/m3
Selenium (Se)	OSHA ID121	0.02	mg/m3
Sodium (Na)	OSHA ID121	1.71	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148255

NYC 9/11 Public Portal Document

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N.Y.C. D.E.P. HAZMAT DIVISION
59-17 JUNCTION BOULEVARD
CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090186

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 5:00 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-007 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** TRIP BLANKS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.07	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.50	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.33	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.11	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Sodium (Na)	OSHA ID121	2.40	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46076

NYC-WTC_000148256

NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
BOHEMIA, N.Y. 11716
Phone: (631) 467-8477 Fax: (631) 467-6905

AMERICA'S TEST LAB!

Prepared Exclusively For
N.Y.C. D.E.P HAZMAT DIVISION
59-17 JUNCTION BOULEVARD
CORONA , NY 11368
(718) 595-5431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 7:15 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-001 **SAMPLE ORIGIN** BROADWAY AVE & 31st ST. , QUEENS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.60	ppb v/v	0.123	USEPA TO-15	9/17/01
Chloromethane	0.55	ppb v/v	0.1037	USEPA TO-15	9/17/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/17/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/17/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/17/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/17/01
Trichlorofluoromethane	0.23	ppb v/v	0.1839	USEPA TO-15	9/17/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/17/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/17/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/17/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/17/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/17/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/17/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/17/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/17/01
Benzene	1.07	ppb v/v	0.1201	USEPA TO-15	9/17/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/17/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/17/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/17/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/17/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/17/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/17/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

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(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Toluene	2.81	ppb v/v	0.0735	USEPA TO-15	9/17/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/17/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/17/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/17/01
Ethylbenzene	0.44	ppb v/v	0.0744	USEPA TO-15	9/17/01
m,p-Xylene	1.39	ppb v/v	0.1765	USEPA TO-15	9/17/01
Styrene	0.12	ppb v/v	0.0896	USEPA TO-15	9/17/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/17/01
o-Xylene	0.50	ppb v/v	0.0111	USEPA TO-15	9/17/01
1,3,5-Trimethylbenzene	0.23	ppb v/v	0.0757	USEPA TO-15	9/17/01
1,2,4-Trimethylbenzene	0.65	ppb v/v	0.1511	USEPA TO-15	9/17/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/17/01
1,4-Dichlorobenzene	0.18	ppb v/v	0.169	USEPA TO-15	9/17/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/17/01
1,2,4-Trichlorobenzene	0.36	ppb v/v	0.1785	USEPA TO-15	9/17/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/17/01
Tentatively Identified Compounds					9/17/01
Methyl-tert-butyl ether	2.19	ppb v/v			9/17/01

John Pedneault
Lab Director

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 8:00 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-003 SAMPLE ORIGIN 138th St. & 3rd AVENUE, BRONX

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.49	ppb v/v	0.123	USEPA TO-15	9/17/01
Chloromethane	0.99	ppb v/v	0.1037	USEPA TO-15	9/17/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2866	USEPA TO-15	9/17/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/17/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO 15	9/17/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/17/01
Trichlorofluoromethane	0.20	ppb v/v	0.1839	USEPA TO-15	9/17/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/17/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/17/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/17/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/17/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/17/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/17/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/17/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/17/01
Benzene	1.44	ppb v/v	0.1201	USEPA TO-15	9/17/01
Carbon Tetrachloride	0.10	ppb v/v	0.0922	USEPA TO-15	9/17/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/17/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/17/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/17/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/17/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/17/01
Toluene	2.23	ppb v/v	0.0735	USEPA TO-15	9/17/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/17/01
Tetrachloroethene	ND	ppb v/v	0.0945	USEPA TO-15	9/17/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/17/01
Ethylbenzene	0.34	ppb v/v	0.0744	USEPA TO-15	9/17/01
m,p-Xylene	1.04	ppb v/v	0.1785	USEPA TO-15	9/17/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.16	ppb v/v	0.0896	USEPA TO-15	9/17/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/17/01
o-Xylene	0.37	ppb v/v	0.0111	USEPA TO-15	9/17/01
1,3,5-Trimethylbenzene	0..2	ppb v/v	0.0757	USEPA TO-15	9/17/01
1,2,4-Trimethylbenzene	0.44	ppb v/v	0.1511	USEPA TO-15	9/17/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/17/01
1,4-Dichlorobenzene	0.17	ppb v/v	0.169	USEPA TO-15	9/17/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/17/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/17/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/17/01
Tentatively Identified Compounds					9/17/01
Methyl-tert-butyl ether	1.46	ppb v/v			9/17/01

John Pedneault
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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 8:30 PM	9/17/01	9/17/0	9/17/01

SAMPLE ID#: 01090186-003 **SAMPLE ORIGIN** CENTRAL PARK N. & LENOX , MANHATTAN

	RESULT	UNIT	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.59	ppb v/v	0.123	USEPA TO-15	9/17/01
Chloromethane	0.63	ppb v/v	0.1037	USEPA TO-15	9/17/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2866	USEPA TO-15	9/17/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/17/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/17/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/17/01
Trichlorofluoromethane	0.26	ppb v/v	0.1839	USEPA TO-15	9/17/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/17/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/17/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/17/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/17/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/17/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/17/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/17/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/17/01
Benzene	1.39	ppb v/v	0.1201	USEPA TO 15	9/17/01
Carbon Tetrachloride	0.10	ppb v/v	0.0922	USEPA TO-15	9/17/01
1,2-Dichloropropane	ND	ppb v/v	0.1136	USEPA TO-15	9/17/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/17/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/17/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/17/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/17/01
Toluene	3.48	ppb v/v	0.0795	USEPA TO-15	9/17/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/17/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/17/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/17/01
Ethylbenzene	0.6	ppb v/v	0.0744	USEPA TO-15	9/17/01
m,p-Xylene	1.59	ppb v/v	0.1785	USEPA TO-15	9/17/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.20	ppb v/v	0.0896	USEPA TO-15	9/17/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/17/01
o-Xylene	0.58	ppb v/v	0.0111	USEPA TO-15	9/17/01
1,3,5-Trimethylbenzene	0.21	ppb v/v	0.0757	USEPA TO-15	9/17/01
1,2,4-Trimethylbenzene	0.75	ppb v/v	0.1511	USEPA TO-15	9/17/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/17/01
1,4-Dichlorobenzene	0.22	ppb v/v	0.169	USEPA TO-15	9/17/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/17/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/17/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/17/01
Tentatively Identified Compounds					9/17/01
Methyl-tert-butyl ether	2.20	ppb v/v			9/17/01
2-Methyl-1-propene	0.92	ppb v/v			9/17/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 9:30 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-004 **SAMPLE ORIGIN** BERRY ST. & NORTH 11th ST, BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.56	ppb v/v	0.123	USEPA TO-15	9/17/01
Chloromethane	0.69	ppb v/v	0.1037	USEPA TO-15	9/17/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/17/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/17/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/17/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/17/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/17/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/17/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/17/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/17/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/17/01
cis 1,2 Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/17/01
Chloroform	ND	ppb v/v	0.1661	USEPA TO-15	9/17/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/17/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/17/01
Benzene	0.56	ppb v/v	0.1201	USEPA TO-15	9/17/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/17/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/17/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/17/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/17/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/17/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/17/01
Toluene	2.48	ppb v/v	0.0735	USEPA TO-15	9/17/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/17/01
Tetrachloroethene	0.32	ppb v/v	0.0845	USEPA TO-15	9/17/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/17/01
Ethylbenzene	0.23	ppb v/v	0.0744	USEPA TO-15	9/17/01
m,p-Xylene	0.83	ppb v/v	0.1785	USEPA TO-15	9/17/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.13	ppb v/v	0.0896	USEPA TO-15	9/17/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/17/01
o-Xylene	0.23	ppb v/v	0.0111	USEPA TO-15	9/17/01
1,3,5-Trimethylbenzene	0.10	ppb v/v	0.0757	USEPA TO-15	9/17/01
1,2,4-Trimethylbenzene	0.31	ppb v/v	0.1511	USEPA TO-15	9/17/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/17/01
1,4-Dichlorobenzene	0.18	ppb v/v	0.169	USEPA TO-15	9/17/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/17/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/17/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/17/01
Tentatively Identified Compounds					9/17/01
Methyl-tert-butyl ether	0.61	ppb v/v			9/17/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 10:10 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-005 **SAMPLE ORIGIN** ATLANTIC AVE. & SMITH ST., BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.67	ppb v/v	0.123	USEPA TO-15	9/17/01
Chloromethane	1.87	ppb v/v	0.1037	USEPA TO-15	9/17/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/17/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/17/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/17/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/17/01
Trichlorofluoromethane	0.26	ppb v/v	0.1839	USEPA TO-15	9/17/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/17/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/17/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/17/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/17/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/17/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/17/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/17/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/17/01
Benzene	8.02	ppb v/v	0.1201	USEPA TO-15	9/17/01
Carbon Tetrachloride	0.10	ppb v/v	0.0922	USEPA TO-15	9/17/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/17/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/17/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/17/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/17/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0696	USEPA TO-15	9/17/01
Toluene	37.5	ppb v/v	0.0733	USEPA TO-15	9/17/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/17/01
Tetrachloroethene	0.23	ppb v/v	0.0845	USEPA TO-15	9/17/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/17/01
Ethylbenzene	6.04	ppb v/v	0.0744	USEPA TO-15	9/17/01
m,p-Xylene	15.98	ppb v/v	0.1785	USEPA TO-15	9/17/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148265

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CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.30	ppb v/v	0.0896	USEPA TO-15	9/17/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/17/01
o-Xylene	5.32	ppb v/v	0.0111	USEPA TO-15	9/17/01
1,3,5- Trimethylbenzene	1.16	ppb v/v	0.0757	USEPA TO-15	9/17/01
1,2,4-Trimethylbenzene	3.01	ppb v/v	0.1511	USEPA TO-15	9/17/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/17/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/17/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/17/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO 15	9/17/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/17/01
Tentatively Identified Compounds					9/17/01
Methyl-tert-butyl ether	72.7	ppb v/v			9/17/01
Pentane	8.77	ppb v/v			9/17/01
2-Methyl-pentane	11.5	ppb v/v			9/17/01
3-Methyl pentane	8.54	ppb v/v			9/17/01
methyl cyclopentane	9.17	ppb v/v			9/17/01
2,2,4,4-Tetramethyl pentane	7.74	ppb v/v			9/17/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #48076

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 11:05 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-006 **SAMPLE ORIGIN** BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.72	ppb v/v	0.123	USEPA TO-15	9/17/01
Chloromethane	0.70	ppb v/v	0.1037	USEPA TO-15	9/17/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/17/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/17/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/17/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/17/01
Trichlorofluoromethane	0.25	ppb v/v	0.1839	USEPA TO-15	9/17/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/17/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/17/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/17/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/17/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/17/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/17/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/17/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/17/01
Benzene	1.35	ppb v/v	0.1201	USEPA TO-15	9/17/01
Carbon Tetrachloride	0.10	ppb v/v	0.0922	USEPA TO-15	9/17/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/17/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/17/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/17/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/17/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/17/01
Toluene	3.06	ppb v/v	0.0736	USEPA TO-15	9/17/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/17/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/17/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/17/01
Ethylbenzene	0.60	ppb v/v	0.0744	USEPA TO-15	9/17/01
m,p-Xylene	1.56	ppb v/v	0.1785	USEPA TO-15	9/17/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	0.16	ppb v/v	0.0896	USEPA TO-15	9/17/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/17/01
o-Xylene	0.57	ppb v/v	0.0111	USEPA TO-15	9/17/01
1,3,5-Trimethylbenzene	0.18	ppb v/v	0.0757	USEPA TO-15	9/17/01
1,2,4-Trimethylbenzene	0.65	ppb v/v	0.1511	USEPA TO-15	9/17/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/17/01
1,4-Dichlorobenzene	0.34	ppb v/v	0.169	USEPA TO-15	9/17/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/17/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/17/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/17/01
Tentatively Identified Compounds					9/17/01
Methyl-tert-butyl ether	3.10	ppb v/v			9/17/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/16/01 5:00 PM	9/17/01	9/17/01	9/17/01

SAMPLE ID#: 01090186-007 **SAMPLE ORIGIN** TRIP BLANKS

	RESULT	UNITS	MDL	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	ND	ppb v/v	0.123	USEPA TO-15	9/17/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/17/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/17/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/17/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/17/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/17/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/17/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/17/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/17/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/17/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/17/01
cis-1,2 Dichloroethene	ND	ppb v/v	0.1703	USEPA TO-15	9/17/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/17/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/17/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/17/01
Benzene	ND	ppb v/v	0.1201	USEPA TO-15	9/17/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/17/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/17/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/17/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/17/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/17/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/17/01
Toluene	ND	ppb v/v	0.0795	USEPA TO-15	9/17/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/17/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/17/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/17/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	9/17/01
m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	9/17/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #45075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090186
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

Styrene	ND	ppb v/v	0.0898	USEPA TO-15	9/17/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/17/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	9/17/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	9/17/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1011	USEPA TO-15	9/17/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/17/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/17/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/17/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/17/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1978	USEPA TO-15	9/17/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

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MWBE #46075

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BOHEMIA, N.Y. 11716
Phone: (631) 467-8477 Fax: (631) 467-6905

AMERICA'S TEST LAB!

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090201

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/17/01 8:55 PM	9/18/01	9/18/01	9/18/01

SAMPLE ID#: 01090201-001 **MATRIX:** AIR\GAS **SAMPLE ORIGIN:** BROADWAY AVE & 31st ST., QUEENS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.07	mg/m3
Copper (Cu)	OSHA ID121	0.05	µg/m3
Arsenic (As)	OSHA ID121	0.03	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.06	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	0.02	mg/m3
Magnesium (Mg)	OSHA ID121	0.31	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.07	mg/m3
Sodium (Na)	OSHA ID121	3.86	mg/m3
Thallium (Tl)	OSHA ID121	0.02	mg/m3
Zinc (Zn)	OSHA ID121	0.08	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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LAB NUMBER: 01090201

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/17/01 9:35 AM	9/18/01	9/18/01	9/18/01

SAMPLE ID#: 01090201-002 **MATRIX** A. AIR/GAS **SAMPLE ORIGIN:** 138th St. & 3rd AVENUE, BRONX

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.08	mg/m3
Copper (Cu)	OSHA ID121	0.01	µg/m3
Arsenic (As)	OSHA ID121	0.05	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.76	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	0.03	mg/m3
Magnesium (Mg)	OSHA ID121	0.38	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.04	mg/m3
Sodium (Na)	OSHA ID121	5.22	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	<0.0042	mg/m3
Silver (Ag)	OSHA ID121	0.10	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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LAB NUMBER: 01090201

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/17/01 10:10 AM	9/18/01	9/18/01	9/18/01

SAMPLE ID#: 01090201-003 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** CENTAL PARK N. & LENOX , MANHATTAN

PARAMETER	METHOD	RESULT	UNITS
Aluminium (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.21	mg/m3
Arsenic (As)	OSHA ID121	0.03	mg/m3
Copper (Cu)	OSHA ID121	0.09	µg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.92	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	0.08	mg/m3
Magnesium (Mg)	OSHA ID121	0.40	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.04	mg/m3
Selenium (Se)	OSHA ID121	0.13	mg/m3
Sodium (Na)	OSHA ID121	6.11	mg/m3
Thallium (Tl)	OSHA ID121	<0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.01	mg/m3
Silver (Ag)	OSHA ID121	0.02	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10234
MWBE #46075

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LAB NUMBER: 01090201

PROJECT ID ; WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/17/01 11:05 AM	9/18/01	9/18/01	9/18/01

SAMPLE ID#: 01090201-004 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BERRY ST. & NORTH 11th ST., BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.12	mg/m3
Arsenic (As)	OSHA ID121	0.01	mg/m3
Copper (Cu)	OSHA ID121	0.08	µg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.29	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.29	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.06	mg/m3
Sodium (Na)	OSHA ID121	2.46	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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LAB NUMBER: 01090201

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/17/01 11:45 AM	9/18/01	9/18/01	9/18/01

SAMPLE ID#: 01090201-005 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** ATLANTIC AVE. & SMITH ST., BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.12	mg/m3
Copper (Cu)	OSHA ID121	0.06	µg/m3
Arsenic (As)	OSHA ID121	0.02	mg/m3
Barium (Ba)	OSHA ID121	0.02	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.60	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.34	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.06	mg/m3
Sodium (Na)	OSHA ID121	3.17	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148275

NYC 9/11 Public Portal Document

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CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090201

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/18/01 12:30 PM	9/18/01	9/18/01	9/18/01

SAMPLE ID#: 01090201-006 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BAY ST & VICTORY BLVD., STATEN ISLAND

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.10	mg/m3
Arsenic (As)	OSHA ID121	0.01	mg/m3
Copper (Cu)	OSHA ID121	0.07	µg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.52	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	0.04	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.32	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.03	mg/m3
Sodium (Na)	OSHA ID121	3.17	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.02	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 265, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090201

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/17/01 7:00 AM	9/18/01	9/18/01	9/18/01

SAMPLE ID#: 01090201-007 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** TRIP BLANKS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.03	mg/m3
Arsenic (As)	OSHA ID121	0.01	mg/m3
Copper (Cu)	OSHA ID121	0.02	µg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	1.46	mg/m3
Chromium (Cr)	OSHA ID121	0.05	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.28	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.01	mg/m3
Selenium (Se)	OSHA ID121	0.03	mg/m3
Sodium (Na)	OSHA ID121	3.48	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10984
MWBE #46075

NYC-WTC_000148277

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BOHEMIA, N.Y. 11716
Phone: (631) 467-8477 Fax: (631) 467-6905

AMERICA'S TEST LAB!

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090230

PROJECT D WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/18/01 9:25 PM	9/19/01	9/20/01	9/20/01

SAMPLE ID#: 01090230-001 — SAMPLE ORIGIN BROADWAY AVE & 31st ST., QUEENS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.53	ppb v/v	0.123	USEPA TO-15	9/19/01
Chloromethane	0.74	ppb v/v	0.1037	USEPA TO-15	9/19/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2866	USEPA TO 15	9/19/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/19/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/19/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/19/01
Trichlorofluoromethane	0.27	ppb v/v	0.1839	USEPA TO-15	9/19/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/19/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/19/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/19/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/19/01
Methyl-tert-butyl ether	3.43	ppb v/v	0.128	USEPA TO-15	9/19/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/19/01
Chloroform	ND	ppb v/v	0.1661	USEPA TO-15	9/19/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/19/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/19/01
Benzene	4.23	ppb v/v	0.1201	USEPA TO-15	9/19/01
Carbon Tetrachloride	0.10	ppb v/v	0.0922	USEPA TO-15	9/19/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/19/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/19/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/19/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/19/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

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LAB#: 01090230

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MATRIX: AIR\GAS

1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/19/01
Toluene	10.2	ppb v/v	0.0735	USEPA TO-15	9/19/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/19/01
Tetrachloroethene	0.69	ppb v/v	0.084*	USEPA TO-15	9/19/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/19/01
Ethylbenzene	1.55	ppb v/v	0.0744	USEPA TO-15	9/19/01
m,p-Xylene	4.38	ppb v/v	0.1785	USEPA TO-15	9/19/01
Styrene	0.60	ppb v/v	0.0896	USEPA TO-15	9/19/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/19/01
o-Xylene	1.72	ppb v/v	0.0111	USEPA TO-15	9/19/01
1,3,5-Trimethylbenzene	0.73	ppb v/v	0.0757	USEPA TO-15	9/19/01
1,2,4-Trimethylbenzene	2.08	ppb v/v	0.1511	USEPA TO-15	9/19/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1664	USEPA TO 15	9/19/01
1,4-Dichlorobenzene	0.51	ppb v/v	0.169	USEPA TO-15	9/19/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/19/01
1,2,4-Trichlorobenzene	0.43	ppb v/v	0.1785	USEPA TO-15	9/19/01
Hexachloro-1,3-Butadiene	0.22	ppb v/v	0.1976	USEPA TO-15	9/19/01
Tentatively Identified Compounds					9/19/01
2-Methyl-1-propene	2.31	mg/m3			9/19/01
2-Methyl butane	3.61	mg/m3			9/19/01
2-Methyl Pentane	1.36	mg/m3			9/19/01
Ethyl acetate	0.96	mg/m3			9/19/01
2,2,-Dimethyl hexane	1.91	mg/m3			9/19/01

John Pedneault
Lab Director

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NYS ELAP #10224
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PEDNEAULT ASSOCIATES, INC.
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LAB#: 01090230

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/18/01 10:00 PM	9/19/01	9/20/01	9/20/01

SAMPLE ID#: 01090230-002 — **SAMPLE ORIGIN** 138th St. & 3rd AVENUE, BRONX

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.57	ppb v/v	0.123	USEPA TO-15	9/19/01
Chloromethane	0.68	ppb v/v	0.1037	USEPA TO-15	9/19/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/19/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/19/01
Bromomethane	ND	ppb v/v	0.2416	USEPA TO-15	9/19/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/19/01
Trichlorofluoromethane	0.29	ppb v/v	0.1839	USEPA TO-15	9/19/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/19/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/19/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/19/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/19/01
Methyl-tert-butyl ether	7.16	ppb v/v	0.128	USEPA TO-15	9/19/01
cis 1,2 Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/19/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/19/01
1,2-Dichloroethane	ND	ppb v/v	0.1668	USEPA TO-15	9/19/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0874	USEPA TO-15	9/19/01
Benzene	2.41	ppb v/v	0.1201	USEPA TO-15	9/19/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/19/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/19/01
Trichloroethene	ND	ppb v/v	0.1520	USEPA TO 15	9/19/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/19/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/19/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/19/01
Toluene	8.06	ppb v/v	0.0735	USEPA TO-15	9/19/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/19/01
Tetrachloroethene	0.63	ppb v/v	0.0845	USEPA TO-15	9/19/01
Chlorobenzene	ND	ppb v/v	0.134	USEPA TO-15	9/19/01
Ethylbenzene	1.15	ppb v/v	0.0744	USEPA TO-15	9/19/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #48075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090230

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

m,p-Xylene	3.30	ppb v/v	0.1785	USEPA TO-15	9/19/01
Styrene	0.34	ppb v/v	0.0896	USEPA TO-15	9/19/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/19/01
o-Xylene	1.25	ppb v/v	0.0111	USEPA TO-15	9/19/01
1,3,5-Trimethylbenzene	0.50	ppb v/v	0.0757	USEPA TO-15	9/19/01
1,2,4 Trimethylbenzene	1.44	ppb v/v	0.1511	USEPA TO-15	9/19/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/19/01
1,4-Dichlorobenzene	0.42	ppb v/v	0.169	USEPA TO-15	9/19/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/19/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/19/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/19/01
Tentatively Identified Compounds					9/19/01
Butane	1.09	mg/m3			9/19/01
2-Methyl butane	5.33	mg/m3			9/19/01
2,3-dimethyl butane	0.92	mg/m3			9/19/01
2-Methyl Pentane	1.81	mg/m3			9/19/01
3-Methyl pentane	1.15	mg/m3			9/19/01
Ethyl acetate	1.32	mg/m3			9/19/01
2,2-Dimethyl hexane	1.18	mg/m3			9/19/01

John Pedneault
Lab Director

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LAB#: 01090230

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/18/01 10:30 PM	9/19/01	9/20/01	9/20/01

SAMPLE ORIGIN CENTRAL PARK N. & LENOX , MANHATTAN

SAMPLE ID#: 01090230-003	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.61	ppb v/v	0.123	USEPA TO-15	9/19/01
Chloromethane	1.11	ppb v/v	0.1037	USEPA TO-15	9/19/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/19/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/19/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/19/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/19/01
Trichlorofluoromethane	0.21	ppb v/v	0.1839	USEPA TO-15	9/19/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/19/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/19/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/19/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/19/01
Methyl-tert-butyl ether	1.98	ppb v/v	0.128	USEPA TO-15	9/19/01
cis 1,2 Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/19/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/19/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/19/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/19/01
Benzene	1.29	ppb v/v	0.1201	USEPA TO-15	9/19/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/19/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/19/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/19/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/19/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/19/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/19/01
Toluene	2.98	ppb v/v	0.0735	USEPA TO-15	9/19/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/19/01
Tetrachloroethene	0.22	ppb v/v	0.0845	USEPA TO-15	9/19/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/19/01
Ethylbenzene	0.62	ppb v/v	0.0744	USEPA TO-15	9/19/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

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LAB#: 01090230

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MATRIX: AIR\GAS

m,p-Xylene	1.59	ppb v/v	0.1785	USEPA TO-15	9/19/01
Styrene	0.11	ppb v/v	0.0896	USEPA TO-15	9/19/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/19/01
o-Xylene	0.65	ppb v/v	0.0111	USEPA TO-15	9/19/01
1,3,5-Trimethylbenzene	0.21	ppb v/v	0.0757	USEPA TO-15	9/19/01
1,2,4 Trimethylbenzene	0.65	ppb v/v	0.1511	USEPA TO-15	9/19/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/19/01
1,4-Dichlorobenzene	0.23	ppb v/v	0.169	USEPA TO-15	9/19/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/19/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/19/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/19/01
Tentatively Identified Compounds					9/19/01
2-Methyl butane	1.75	ppb v/v			9/19/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090230

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/19/01 12:07 PM	9/19/01	9/20/01	9/20/01

SAMPLE ORIGIN BERRY ST. & NORTH 11th ST, BROOKLYN

SAMPLE ID#: 01090230-004	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	1.85	ppb v/v	0.123	USEPA TO-15	9/19/01
Chloromethane	2.59	ppb v/v	0.1037	USEPA TO-15	9/19/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2866	USEPA TO-15	9/19/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/19/01
Bromomethane	0.56	ppb v/v	0.2418	USEPA TO 15	9/19/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/19/01
Trichlorofluoromethane	0.50	ppb v/v	0.1839	USEPA TO-15	9/19/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/19/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/19/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/19/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/19/01
Methyl-tert-butyl ether	2.31	ppb v/v	0.128	USEPA TO-15	9/19/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/19/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/19/01
1,2-Dichloroethane	ND	ppb v/v	0.1668	USEPA TO-15	9/19/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/19/01
Benzene	0.95	ppb v/v	0.1201	USEPA TO-15	9/19/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/19/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/19/01
Trichloroethene	1.10	ppb v/v	0.1329	USEPA TO-15	9/19/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/19/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/19/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/19/01
Toluene	4.22	ppb v/v	0.0735	USEPA TO-15	9/19/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/19/01
Tetrachloroethene	0.25	ppb v/v	0.0845	USEPA TO-15	9/19/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/19/01
Ethylbenzene	0.42	ppb v/v	0.0744	USEPA TO-15	9/19/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148284

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N.Y.C. D.E.P. HAZMAT DIVISION
59-17 JUNCTION BOULEVARD
CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090230

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

m,p-Xylene	1.12	ppb v/v	0.1785	USEPA TO-15	9/19/01
Styrene	0.09	ppb v/v	0.0896	USEPA TO-15	9/19/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/19/01
o-Xylene	0.44	ppb v/v	0.0111	USEPA TO-15	9/19/01
1,3,5-Trimethylbenzene	0.22	ppb v/v	0.0757	USEPA TO-15	9/19/01
1,2,4-Trimethylbenzene	0.71	ppb v/v	0.1511	USEPA TO-15	9/19/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/19/01
1,4-Dichlorobenzene	0.19	ppb v/v	0.169	USEPA TO-15	9/19/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/19/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1765	USEPA TO-15	9/19/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/19/01
Tentatively Identified Compounds					9/19/01
2-Methyl butane	2.81	ppb v/v			9/19/01

John Pedneault
Lab Director

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59-17 JUNCTION BOULEVARD
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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090230

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/19/01 1:00 AM	9/19/01	9/20/01	9/20/01

SAMPLE ORIGIN ATLANTIC AVE. & SMITH ST., BROOKLYN

SAMPLE ID#: 01090230-005	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.61	ppb v/v	0.123	USEPA TO-15	9/19/01
Chloromethane	1.00	ppb v/v	0.1037	USEPA TO-15	9/19/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/19/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/19/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/19/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/19/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/19/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/19/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/19/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/19/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/19/01
Methyl-tert-butyl ether	30.5	ppb v/v	0.128	USEPA TO-15	9/19/01
cis-1,2 Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/19/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/19/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/19/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/19/01
Benzene	4.42	ppb v/v	0.1201	USEPA TO-15	9/19/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/19/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/19/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/19/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/19/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/19/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/19/01
Toluene	32.6	ppb v/v	0.0735	USEPA TO-15	9/19/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/19/01
Tetrachloroethene	0.12	ppb v/v	0.0845	USEPA TO-15	9/19/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/19/01
Ethylbenzene	6.11	ppb v/v	0.0744	USEPA TO-15	9/19/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWDE #46078

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59-17 JUNCTION BOULEVARD	LAB#: 01090230
CORONA , NY 11368	PROJECT ID WORLD TRADE CENTER
(718) 595-6431	MATRIX: AIR\GAS

m,p-Xylene	9.59	ppb v/v	0.1785	USEPA TO-15	9/19/01
Styrene	0.19	ppb v/v	0.0898	USEPA TO-15	9/19/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/19/01
o-Xylene	3.98	ppb v/v	0.0111	USEPA TO-15	9/19/01
1,3,5-Trimethylbenzene	1.05	ppb v/v	0.0757	USEPA TO-15	9/19/01
1,2,4-Trimethylbenzene	3.38	ppb v/v	0.1511	USEPA TO-15	9/19/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/19/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/19/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/19/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/19/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/19/01
Tentatively Identified Compounds					9/19/01
2-Methyl butane	7.83	ppb v/v			9/19/01
2-Methyl Pentane	6.01	ppb v/v			9/19/01

John Pedneault
Lab Director

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090230

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/19/01 1:40 AM	9/19/01	9/20/01	9/20/01

SAMPLE ID#: 01090230-000 — **SAMPLE ORIGIN** BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.59	ppb v/v	0.123	USEPA TO-15	9/19/01
Chloromethane	0.77	ppb v/v	0.1037	USEPA TO-15	9/19/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2866	USEPA TO-15	9/19/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/19/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO 15	9/19/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/19/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/19/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/19/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/19/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/19/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/19/01
Methyl-tert-butyl ether	4.54	ppb v/v	0.128	USEPA TO-15	9/19/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/19/01
Chloroform	ND	ppb v/v	0.1661	USEPA TO-15	9/19/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/19/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/19/01
Benzene	2.61	ppb v/v	0.1201	USEPA TO-15	9/19/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/19/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/19/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/19/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/19/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/19/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/19/01
Toluene	6.06	ppb v/v	0.0735	USEPA TO-15	9/19/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/19/01
Tetrachloroethene	0.10	ppb v/v	0.0845	USEPA TO-15	9/19/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/19/01
Ethylbenzene	0.96	ppb v/v	0.0744	USEPA TO-15	9/19/01

John Pedneault
Lab Director

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MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090230

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

m,p-Xylene	2.75	ppb v/v	0.1785	USEPA TO-15	9/19/01
Styrene	0.21	ppb v/v	0.0896	USEPA TO-15	9/19/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/19/01
o-Xylene	1.08	ppb v/v	0.0111	USEPA TO-15	9/19/01
1,3,5-Trimethylbenzene	0.37	ppb v/v	0.0757	USEPA TO-15	9/19/01
1,2,4-Trimethylbenzene	1.08	ppb v/v	0.1511	USEPA TO-15	9/19/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/19/01
1,4-Dichlorobenzene	0.46	ppb v/v	0.169	USEPA TO-15	9/19/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/19/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/19/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/19/01
Tentatively Identified Compounds					9/19/01
2-Methyl-1-propene	1.06	ppb v/v			9/19/01
Butane	1.19	ppb v/v			9/19/01
2-Methyl butane	3.47	ppb v/v			9/19/01
2-Methyl Pentane	1.17	ppb v/v			9/19/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWDE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090230

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/18/01 7:00 PM	9/19/01	9/20/01	9/20/01

SAMPLE ID#: 01090230-007 — SAMPLE ORIGIN: TRIP BLANKS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	ND	ppb v/v	0.123	USEPA TO-15	9/19/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/19/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2866	USEPA TO-15	9/19/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/19/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO 15	9/19/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/19/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/19/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/19/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/19/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/19/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/19/01
Methyl-tert-butyl ether	ND	ppb v/v	0.126	USEPA TO-15	9/19/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/19/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/19/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/19/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/19/01
Benzene	ND	ppb v/v	0.1201	USEPA TO-15	9/19/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/19/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/19/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/19/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/19/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/19/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/19/01
Toluene	ND	ppb v/v	0.0735	USEPA TO-15	9/19/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/19/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/19/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/19/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	9/19/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090230

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	9/19/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/19/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/19/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	9/19/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	9/19/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	9/19/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/19/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/19/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/19/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/19/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/19/01

John Pedneault
Lab Director

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PEDNEAULT@AOL.COM
PH. 631-467-8477 FAX. 631-467-6905

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BOHEMIA, N.Y. 11716
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AMERICA'S TEST LAB!

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5.-17 JUNCTION BOULEVARD
CORONA , NY 113-8
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LAB#: 01090201

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/17/01 8:55 PM	9/18/01	9/19/01	9/19/01

SAMPLE ID#: 01090201-001 **SAMPLE ORIGIN** BROADWAY AVE & 31st ST., QUEENS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.76	ppb v/v	0.123	USEPA TO-15	9/18/01
Chloromethane	0.83	ppb v/v	0.1037	USEPA TO-15	9/18/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/18/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/18/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/18/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/18/01
Trichlorofluoromethane	0.33	ppb v/v	0.1639	USEPA TO-15	9/18/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/18/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/18/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/18/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/18/01
Methyl-tert-butyl ether	2.28	ppb v/v	0.128	USEPA TO-15	9/18/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/18/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/18/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/18/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/18/01
Benzene	1.15	ppb v/v	0.1201	USEPA TO-15	9/18/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/18/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/18/01
Trichloroethene	ND	ppb v/v	0.1328	USEPA TO-15	9/18/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/18/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/18/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

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CORONA , NY 11368
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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/18/01
Toluene	3.06	ppb v/v	0.0735	USEPA TO-15	9/18/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/18/01
Tetrachloroethene	0.22	ppb v/v	0.0845	USEPA TO-15	9/18/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/18/01
Ethylbenzene	0.56	ppb v/v	0.0744	USEPA TO-15	9/18/01
m,p-Xylene	1.73	ppb v/v	0.1785	USEPA TO-15	9/18/01
Styrene	0.16	ppb v/v	0.0896	USEPA TO-15	9/18/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/18/01
o-Xylene	0.71	ppb v/v	0.0111	USEPA TO-15	9/18/01
1,3,5-Trimethylbenzene	0.35	ppb v/v	0.0757	USEPA TO-15	9/18/01
1,2,4-Trimethylbenzene	1.08	ppb v/v	0.1511	USEPA TO-15	9/18/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/18/01
1,4-Dichlorobenzene	0.24	ppb v/v	0.169	USEPA TO-15	9/18/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/18/01
1,2,4-Trichlorobenzene	0.20	ppb v/v	0.1785	USEPA TO-15	9/18/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/18/01

John Pedneault
Lab Director

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED		RELEASE DATE		REPORT DATE
9/17/01 9:35 AM	9/18/01		9/19/01		9/19/01
SAMPLE ID#: 01090201-002	SAMPLE ORIGIN 138th St. & 3rd AVENUE, BRONX				
	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	1.54	ppb v/v	0.123	USEPA TO-15	9/18/01
Chloromethane	2.06	ppb v/v	0.1037	USEPA TO-15	9/18/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2866	USEPA TO-15	9/18/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/18/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO 15	9/18/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/18/01
Trichlorofluoromethane	0.47	ppb v/v	0.1639	USEPA TO-15	9/18/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/18/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/18/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/18/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/18/01
Methyl tert butyl ether	2.29	ppb v/v	0.128	USEPA TO-15	9/18/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/18/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/18/01
1,2-Dichloroethane	ND	ppb v/v	0.1686	USEPA TO-15	9/18/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/18/01
Benzene	11.9	ppb v/v	0.1201	USEPA TO-15	9/18/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/18/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/18/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/18/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/18/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/18/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/18/01
Toluene	4.06	ppb v/v	0.0735	USEPA TO-15	9/18/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/18/01
Tetrachloroethene	0.33	ppb v/v	0.0845	USEPA TO-15	9/18/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/18/01
Ethylbenzene	0.96	ppb v/v	0.0744	USEPA TO-15	9/18/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

m,p-Xylene	2.11	ppb v/v	0.1765	USEPA TO-15	9/18/01
Styrene	0.25	ppb v/v	0.0898	USEPA TO-15	9/18/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/18/01
o-Xylene	0.93	ppb v/v	0.0111	USEPA TO-15	9/18/01
1,3,5-Trimethylbenzene	0.40	ppb v/v	0.0757	USEPA TO-15	9/18/01
1,2,4-Trimethylbenzene	1.46	ppb v/v	0.1511	USEPA TO-15	9/18/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/18/01
1,4-Dichlorobenzene	0.29	ppb v/v	0.169	USEPA TO-15	9/18/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/18/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1765	USEPA TO-15	9/18/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/18/01
Tentatively Identified Compounds					9/18/01
3-Methylenehaptane	1.13	ppb v/v			9/18/01

John Pedneault
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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/17/01 10:10 AM	9/18/01	9/19/01	9/19/01

SAMPLE ID#: 01090201-003 **SAMPLE ORIGIN** CENTAL PARK N. & LENOX , MANHATTAN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.61	ppb v/v	0.123	USEPA TO-15	9/18/01
Chloromethane	0.77	ppb v/v	0.1037	USEPA TO-15	9/18/01
1,2-Dichlorotetrafluoroethene	ND	ppb v/v	0.2886	USEPA TO-15	9/18/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/18/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO 15	9/18/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/18/01
Trichlorofluoromethane	0.27	ppb v/v	0.1839	USEPA TO-15	9/18/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/18/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/18/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/18/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/18/01
Methyl tert butyl ether	1.83	ppb v/v	0.120	USEPA TO-15	9/18/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/18/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/18/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/18/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/18/01
Benzene	0.84	ppb v/v	0.1201	USEPA TO-15	9/18/01
Carbon Tetrachloride	0.10	ppb v/v	0.0922	USEPA TO-15	9/18/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/18/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/18/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/18/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/18/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0898	USEPA TO-15	9/18/01
Toluene	2.13	ppb v/v	0.0735	USEPA TO-15	9/18/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/18/01
Tetrachloroethene	0.18	ppb v/v	0.0845	USEPA TO-15	9/18/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/18/01
Ethylbenzene	0.34	ppb v/v	0.0744	USEPA TO-15	9/18/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

m,p-Xylene	1.08	ppb v/v	0.1785	USEPA TO-15	9/18/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/18/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/18/01
o-Xylene	0.44	ppb v/v	0.0111	USEPA TO-15	9/18/01
1,3,5-Trimethylbenzene	0.16	ppb v/v	0.0757	USEPA TO-15	9/18/01
1,2,4-Trimethylbenzene	0.57	ppb v/v	0.1511	USEPA TO-15	9/18/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/18/01
1,4-Dichlorobenzene	0.24	ppb v/v	0.169	USEPA TO-15	9/18/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/18/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/18/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/18/01

John Pedneault
Lab Director

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED		RELEASE DATE		REPORT DATE
9/17/01 11:05 AM	9/18/01		9/19/01		9/19/01
SAMPLE ID#: 01090201-004	**SAMPLE ORIGIN BERRY ST. & NORTH 11th ST, BROOKLYN**				
	RESULT	**UNITS**	**M.D.L.**	**METHOD**	**ANALYSIS DATE**
Dichlorodifluoromethane	1.08	ppb v/v	0.123	USEPA TO-15	9/18/01
Chloromethane	1.32	ppb v/v	0.1037	USEPA TO-15	9/18/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/18/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/18/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/18/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/18/01
Trichlorofluoromethane	0.28	ppb v/v	0.1839	USEPA TO-15	9/18/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/18/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/18/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/18/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/18/01
Methyl tert-butyl ether	0.81	ppb v/v	0.128	USEPA TO-15	9/18/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/18/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/18/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/18/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO 15	9/18/01
Benzene	0.61	ppb v/v	0.1201	USEPA TO-15	9/18/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/18/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/18/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/18/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/18/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/18/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0898	USEPA TO-15	9/18/01
Toluene	3.26	ppb v/v	0.0735	USEPA TO-15	9/18/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/18/01
Tetrachloroethene	0.30	ppb v/v	0.0845	USEPA TO-15	9/18/01
Chlorobenzene	ND	ppb v/v	0.1313	USEPA TO-15	9/18/01
Ethylbenzene	0.42	ppb v/v	0.0744	USEPA TO-15	9/18/01

John Pedneault
Lab Director

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

m,p-Xylene	0.98	ppb v/v	0.1785	USEPA TO-15	9/18/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/18/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/18/01
o-Xylene	0.40	ppb v/v	0.0111	USEPA TO-15	9/18/01
1,3,5-Trimethylbenzene	0.28	ppb v/v	0.0767	USEPA TO-15	9/18/01
1,2,4-Trimethylbenzene	0.96	ppb v/v	0.1511	USEPA TO-15	9/18/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/18/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/18/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/18/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/18/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/18/01
Tentatively Identified Compounds					9/18/01
2-Methyl-butane	0.97	ppb v/v			9/18/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/17/01 11:45 AM	9/18/01	9/19/01	9/19/01

SAMPLE ID#: 01090201-005 **SAMPLE ORIGIN** ATLANTIC AVE. & SMITH ST., BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	ND	ppb v/v	0.123	USEPA TO-15	9/18/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/18/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2686	USEPA TO-15	9/18/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/18/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO 15	9/18/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/18/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/18/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/18/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/18/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/18/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/18/01
Methyl-tert-butyl ether	0.16	ppb v/v	0.128	USEPA TO-15	9/18/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/18/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/18/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/18/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/18/01
Benzene	ND	ppb v/v	0.1201	USEPA TO-15	9/18/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/18/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/18/01
Trichloroethene	ND	ppb v/v	0.1328	USEPA TO-15	9/18/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/18/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/18/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/18/01
Toluene	0.16	ppb v/v	0.0735	USEPA TO-15	9/18/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/18/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/18/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/18/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	9/18/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

m,p Xylene	ND	ppb v/v	0.1785	USEPA TO-15	9/18/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/18/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/18/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	9/18/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0707	USEPA TO-15	9/18/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	9/18/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1664	USEPA TO-15	9/18/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/18/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/18/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/18/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/18/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148302

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CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/18/01 12:30 PM	9/18/01	9/19/01	9/19/01

SAMPLE ID#: 01090201-006 **SAMPLE ORIGIN** BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.52	ppb v/v	0.123	USEPA TO-15	9/18/01
Chloromethane	1.16	ppb v/v	0.1037	USEPA TO-15	9/18/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/18/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/18/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/18/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/18/01
Trichlorofluoromethane	0.22	ppb v/v	0.1839	USEPA TO-15	9/18/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/18/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/18/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/18/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/18/01
Methyl tert-butyl ether	2.37	ppb v/v	0.128	USEPA TO-15	9/18/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/18/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/18/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/18/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0971	USEPA TO-15	9/18/01
Benzene	0.98	ppb v/v	0.1201	USEPA TO-15	9/18/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/18/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/18/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/18/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/18/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/18/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/18/01
Toluene	3.19	ppb v/v	0.0735	USEPA TO-15	9/18/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/18/01
Tetrachloroethene	0.19	ppb v/v	0.0845	USEPA TO-15	9/18/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/18/01
Ethylbenzene	0.86	ppb v/v	0.0744	USEPA TO-15	9/18/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

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LAB#: 01090201
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

m,p Xylene	1.72	ppb v/v	0.1786	USEPA TO-15	9/18/01
Styrene	0.12	ppb v/v	0.0896	USEPA TO-15	9/18/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/18/01
o-Xylene	0.74	ppb v/v	0.0111	USEPA TO-15	9/18/01
1,3,5-Trimethylbenzene	0.29	ppb v/v	0.0757	USEPA TO-15	9/18/01
1,2,4-Trimethylbenzene	0.98	ppb v/v	0.1511	USEPA TO-15	9/18/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/18/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/18/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/18/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/18/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/18/01

John Pedneault
Lab Director

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MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201

PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/17/01 7:00 AM	9/18/01	9/19/01	9/19/01

SAMPLE ID#: 01090201-007 **SAMPLE ORIGIN** TRIP BLANKS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	ND	ppb v/v	0.123	USEPA TO-15	9/19/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/19/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/19/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/19/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO 15	9/19/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/19/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/19/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/19/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/19/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/19/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/19/01
Methyl-tert-butyl ether	ND	ppb v/v	0.128	USEPA TO-15	9/19/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/19/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/19/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/19/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO 15	9/19/01
Benzene	ND	ppb v/v	0.1201	USEPA TO-15	9/19/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/19/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/19/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/19/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/19/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/19/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/19/01
Toluene	ND	ppb v/v	0.0735	USEPA TO-15	9/19/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/19/01
Tetrachloroethene	ND	ppb v/v	0.0945	USEPA TO-15	9/19/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/19/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	9/19/01

John Pedneault
Lab Director

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1615 NINTH AVENUE. BOX 205, BOHEMIA, N.Y. 11716

LAB#: 01090201
PROJECT ID WORLD TRADE CENTER

MATRIX: AIR\GAS

m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	9/19/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/19/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/19/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	9/19/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	9/19/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	9/19/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/19/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/19/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/19/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/19/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/19/01

John Pedneault
Lab Director

ND--RESULT IS EQUAL TO OR LESS THAN MDL

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FAX TRANSMISSION

TO: Mike Gilsenan FROM: Jean J. Menn Haupt

FAX#: 718-595-4422 # OF PAGES: see below DATE: 9/20/01

ENVIRONMENTAL ANALYTICAL LABORATORY SERVICES – NYSDOH ELAP CERTIFIED

The attached is sent for your review.

As per Kim Hanna's request:

Metals air data = 7 pages

VOC air data = 14 pages

for la sample collection date

Call should you have any incomplete reports.

Jean

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Phone: (631) 467-8477 Fax: (631) 467-6905

AMERICA'S TEST LAB!

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090163

PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/13/01 10:00 PM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-001 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BROADWAY AVE & 31st ST., QUEENS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.14	mg/m3
Antimony (Sb)	OSHA ID121	0.31	mg/m3
Copper (Cu)	OSHA ID121	0.02	mg/m3
Arsenic (As)	OSHA ID121	0.15	mg/m3
Barium (Ba)	OSHA ID121	0.006	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.39	mg/m3
Chromium (Cr)	OSHA ID121	<0.06	mg/m3
Iron (Fe)	OSHA ID121	0.41	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.66	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.04	mg/m3
Potassium (K)	OSHA ID121	0.05	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.26	mg/m3
Sodium (Na)	OSHA ID121	0.41	mg/m3
Thallium (Tl)	OSHA ID121	0.12	mg/m3
Zinc (Zn)	OSHA ID121	0.14	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

NYC-WTC_000148308

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59-17 JUNCTION BOULEVARD
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(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE. BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090163

PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/13/01 10:35 PM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-002 **MATRIX** AIR/GAS **SAMPLE ORIGIN:** 138th S. & 3rd AVENUE, BRONX

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.14	mg/m3
Antimony (Sb)	OSHA ID121	0.38	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	0.05	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.37	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	0.18	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.67	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.04	mg/m3
Potassium (K)	OSHA ID121	0.00	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.10	mg/m3
Sodium (Na)	OSHA ID121	0.54	mg/m3
Thallium (Tl)	OSHA ID121	0.13	mg/m3
Zinc (Zn)	OSHA ID121	0.13	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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LAB NUMBER: 01090163

PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/13/01 11:08 PM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-003 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** CENTRAL PARK N. & LENOX , MANHATTAN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.18	mg/m3
Antimony (Sb)	OSHA ID121	0.02	mg/m3
Arsenic (As)	OSHA ID121	0.10	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.43	mg/m3
Chromium (Cr)	OSHA ID121	0.04	mg/m3
Iron (Fe)	OSHA ID121	0.29	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.68	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.06	mg/m3
Potassium (K)	OSHA ID121	0.08	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.02	mg/m3
Sodium (Na)	OSHA ID121	0.34	mg/m3
Thallium (Tl)	OSHA ID121	0.11	mg/m3
Zinc (Zn)	OSHA ID121	0.13	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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LAB NUMBER: 01090163

PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 1:10 AM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-004 **MATRIX** AIR/GAS **SAMPLE ORIGIN:** BERRY ST. & NORTH 11 ST., BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.16	mg/m3
Antimony (Sb)	OSHA ID121	0.02	mg/m3
Arsenic (As)	OSHA ID121	0.04	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	4.06	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	0.15	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.72	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.04	mg/m3
Potassium (K)	OSHA ID121	0.06	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3
Sodium (Na)	OSHA ID121	5.64	mg/m3
Thallium (Tl)	OSHA ID121	0.11	mg/m3
Zinc (Zn)	OSHA ID121	0.12	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

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1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090163

PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 1:45 AM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-005 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** ATLANTIC AVE. & SMITH ST., BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.23	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	0.04	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.43	mg/m3
Chromium (Cr)	OSHA ID121	<0.01	mg/m3
Iron (Fe)	OSHA ID121	0.20	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.69	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.05	mg/m3
Potassium (K)	OSHA ID121	1.82	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3
Thallium (Tl)	OSHA ID121	0.12	mg/m3
Sodium (Na)	OSHA ID121	5.67	mg/m3
Zinc (Zn)	OSHA ID121	0.31	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10284
MWBE #46076

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(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090163

PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01 2:30 AM	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-006 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BAY ST. & VICTORY BLVD., STATEN ISLAND

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.25	mg/m3
Antimony (Sb)	OSHA ID121	0.04	mg/m3
Arsenic (As)	OSHA ID121	0.02	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.28	mg/m3
Chromium (Cr)	OSHA ID121	<0.01	mg/m3
Iron (Fe)	OSHA ID121	0.27	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.66	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.04	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3
Sodium (Na)	OSHA ID121	1.73	mg/m3
Thallium (Tl)	OSHA ID121	0.12	mg/m3
Zinc (Zn)	OSHA ID121	0.08	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10221
MWBE #46075

NYC-WTC_000148313

Prepared Exclusively For:
N.Y.C. D.E.P. HAZMAT DIVISION
59-17 JUNCTION BOULEVARD
CORONA , NY 11368
(718) 595-6431

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01090163

PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01	9/14/01	9/14/01	9/14/01

SAMPLE ID#: 01090163-007 **MATRIX:** AIR\GAS **SAMPLE ORIGIN:** FIELD BLANK

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.21	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	0.05	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	4.60	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	0.15	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.72	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.04	mg/m3
Potassium (K)	OSHA ID121	0.08	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3
Sodium (Na)	OSHA ID121	0.48	mg/m3
Thallium (Tl)	OSHA ID121	0.11	mg/m3
Zinc (Zn)	OSHA ID121	0.13	mg/m3

Reported results are reflective of TOTAL, Metal @ 2L per min./15min. run

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

NYC 9/11 Public Portal Document

FAX

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR NOISE & HAZARDOUS MATERIALS
DIVISION OF EMERGENCY RESPONSE & TECHNICAL ASSESSMENT

Fax Number (718) 595-4690

Date 10/8/01

Name Jane Maldonado

Fax # 4544

Tel #

Re: Latest Results from Rose Point

From S Sieberberg

Tel # 4648

Sent By: SS

Number of pages (including cover sheet): 5

NYC-WTC_000148315

NYC 9/11 Public Portal Document

RIVERPOINT, Inc.
7 Hillside Ave., New Rochelle, NY 10801

Tel. No.: (914) 632-1552
Facsimile No.: (914) 632-1558

FAX TRANSMITTAL

TO: DEP DATE: 10/7/01

Fax No.: 718 595 4690

Attn.: Maureen Fahey

Number of pages, including this page: 2

Comments:

WTC PCM RESULTS FROM 10/7

Sent by: Birger Ellenbecker

NYC-WTC_000148316

NYC-WTC_000148317 718 595 4690 P.03/05 OCT-09-2001 11:40 NYCDEP DERTA

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 7, 2001
RCS Project # 097

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm^2]	Fiber Conc. [Fiber/cc]
2548	011007	Park Place and Church	10/7/01	15.00	45	675	6	100	7.64	0.004
2546	021007	Park Place and Greenwich	10/7/01	15.00	45	675	7	100	8.92	0.005
2549	031007	Murray and Church	10/7/01	14.50	45	652.5	6.5	100	8.28	0.005
2547	041007	Murray and Greenwich	10/7/01	14.25	45	641.25	4	100	5.10	<LOD
2556	051007	Fulton and Church	10/7/01	15.00	48	720	20.5	100	26.11	0.014
2544	061007	Warren and North End	10/7/01	14.50	45	652.5	3	100	3.82	<LOD
2545	071007	West Street and Warren	10/7/01	15.00	45	675	4	100	5.10	<LOD
2557	081007	Gateway Plaza	10/7/01	15.00	45	675	7.5	100	9.55	0.005
2558	091007	South End Avenue and Albany	10/7/01	15.00	49	735	3	100	3.82	<LOD
2559	101009	West and Albany	10/7/01	15.00	46	690	6	100	7.64	0.004
2554	111007	Rector Place by park	10/7/01	14.75	51	752.25	4	100	5.10	<LOD
2552	121007	3rd Place and West End and Waterside	10/7/01	15.00	51	765	4	100	5.10	<LOD
2553	131007	West end of West Thames	10/7/01	15.00	51	765	4	100	5.10	<LOD
2542	141007	Park Place and River Terrace	10/7/01	14.75	45	663.75	3.5	100	4.46	<LOD
2540	151007	River Terrace and Chambers	10/7/01	15.00	45	675	5	100	6.37	<LOD
2541	161007	River Terrace and Warren	10/7/01	15.00	45	675	4	100	5.10	<LOD
2543	171007	North End and Park Place	10/7/01	15.00	45	675	2	100	2.55	<LOD
2539	181007	Vesey and River Terrace	10/7/01	14.50	45	652.5	1	100	1.27	LOD
2555	191007	Trinity Place and Thames	10/7/01	15.00	51	765	5.5	100	7.01	0.004
2560	201007	Vesey and West Broadway	10/7/01	14.50	58	841	14	100	17.83	0.008
2550	FB1	Field Blank 1	10/7/01	0.00	0	0	0	100	0.00	N/A
2551	FB2	Field Blank 2	10/7/01	0.00	0	0	0	100	0.00	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
Limit of Quantitation (LOQ) = 102 [Fiber/mm^2]
Limit of Detection (LOD) = 7 [Fiber/mm^2]

Analysis Performed By:

Marek Pawlik
Laboratory Director

NYC 9/11 Public Portal Document

NYC 9/11 Public Portal Document

RIVERPOINT, Inc.
7 Hillside Ave., New Rochelle, NY 10801

Tel. No.: (914) 632-1552
Facsimile No.: (914) 632-1558

FAX TRANSMITTAL

DATE: 10/8/01 ~~10/7/01~~

TO: DEP

Fax No.: 718 595 4690

Attn.: Maureen Foury

Number of pages, including this page: 2

Comments:

10/8 ~~10/7~~ WTC PCM RESULTS FROM

Sent by: Birger Ellertson

NYC-WTC_00014831 9 718 595 4690 P.05/05 NYCDEP DERTA OCT-09-2001 11:42

TOTAL P.05 NYC 9/11 Public Portal Document

Renata Consulting Services, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 8, 2001
RCS Project # 099

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm²]	Fiber Conc. [Fiber/cc]
2563	011008	Park Place and Church	10/8/01	15.00	45	675	13	100	16.56	0.009
2564	031008	Murray and Church	10/8/01	14.75	45	663.75	10	100	12.74	0.007
2565	021008	Park Place and Greenwich	10/8/01	14.50	61	884.5	10.5	100	13.38	0.006
2566	041008	Murray and Greenwich	10/8/01	14.75	61	899.75	6	100	7.64	0.003
2567	071008	West Street and Warren	10/8/01	14.75	45	663.75	12	100	15.29	0.009
2568	061008	Warren and North End	10/8/01	14.00	45	630	9.5	100	12.10	0.007
2569	171008	North End and Park Place	10/8/01	14.00	45	630	9	100	11.46	0.007
2570	151008	River Terrace and Chambers	10/8/01	14.50	45	652.5	3	100	3.82	<BDL
2571	161008	River Terrace and Warren	10/8/01	14.00	45	630	6	100	7.64	0.005
2572	141008	Park Place and River Terrace	10/8/01	15.00	45	675	4.5	100	5.73	<BDL
2573	181008	Vesey and River Terrace	10/8/01	14.50	45	652.5	4	100	5.10	<BDL
2574	FB1	Field Blank 1	10/8/01	0.00	0	0	0	100	0.00	N/A
2575	FB2	Field Blank 2	10/8/01	0.00	0	0	0	100	0.00	N/A
2576	121008	3rd Place and West End and Waterside	10/8/01	15.00	49	735	5.5	100	7.01	0.004
2577	131008	West end of West Thames	10/8/01	15.00	48	720	2	100	2.55	<BDL
2578	111008	Rector Place by park	10/8/01	14.75	51	752.25	6	100	7.64	0.004
2579	191008	Trinity Place and Thames	10/8/01	15.00	48	720	11	100	14.01	0.007
2580	051008	Fulton and Church	10/8/01	15.00	50	750	7	100	8.92	0.005
2581	081008	Gateway Plaze	10/8/01	14.60	55	803	3	100	3.82	<BDL
2582	091008	South End Avenue and Albany	10/8/01	14.60	50	730	3	100	3.82	<BDL
2583	101008	West and Albany	10/8/01	14.80	45	666	17	100	21.66	0.013
2584	201008	Vesey and West Broadway	10/8/01	14.80	50	730	N/A	100	N/A	N/A*

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
Limit of Quantitation (LOQ) = 102 [Fiber/mm²]
Limit of Detection (LOD) = 7 [Fiber/mm²]

* Sample Overloaded

Analysis Performed By:

Marek Pawlik
Laboratory Director

NYC 9/11 Public Portal Document

FAX

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR NOISE & HAZARDOUS MATERIALS
DIVISION OF EMERGENCY RESPONSE & TECHNICAL ASSESSMENT

Fax Number (718) 595-4690

Date 10/9/01

Name Jane Maldonado

Fax # 4544

Tel #

Re: Latest Results from Rivers Point

From Shusheng

Tel # 4648

Sent By: SS

Number of pages (including cover sheet): 5

NYC-WTC_000148320

NYC 9/11 Public Portal Document

RIVERPOINT, Inc.
7 Hillside Ave., New Rochelle, NY 10801

Tel. No.: (914) 632-1552
Facsimile No.: (914) 632-1558

FAX TRANSMITTAL

TO: DEP DATE: 10/7/01

Fax No.: 718 595 4690

Attn.: Moussumm Faruq

Number of pages, including this page: 2

Comments:

WTC PCM RESULTS FROM 10/7

Sent by: Brian Ellenbecker

NYC-WTC_000148321

NYC-WTC_000148322 718 595 4690 P.03/05 NYCDEP DERTH OCT-09-2001 11:40

Renata Consulting Services, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 7, 2001
RCS Project # 097

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm^2]	Fiber Conc. [Fiber/cc]
2548	011007	Park Place and Church	10/7/01	15.00	45	675	6	100	7.64	0.004
2546	021007	Park Place and Greenwich	10/7/01	15.00	45	675	7	100	8.92	0.005
2549	031007	Murray and Church	10/7/01	14.50	45	652.5	6.5	100	8.28	0.005
2547	041007	Murray and Greenwich	10/7/01	14.25	45	641.25	4	100	5.10	<LOD
2556	051007	Fulton and Church	10/7/01	15.00	48	720	20.5	100	26.11	0.014
2544	061007	Warren and North End	10/7/01	14.50	45	652.5	3	100	3.82	<LOD
2545	071007	West Street and Warren	10/7/01	15.00	45	675	4	100	5.10	<LOD
2557	081007	Gateway Plaza	10/7/01	15.00	45	675	7.5	100	9.55	0.005
2558	091007	South End Avenue and Albany	10/7/01	15.00	49	735	3	100	3.82	<LOD
2559	101009	West and Albany	10/7/01	15.00	46	690	6	100	7.64	0.004
2554	111007	Rector Place by park	10/7/01	14.75	51	752.25	4	100	5.10	<LOD
2552	121007	3rd Place and West End and Waterside	10/7/01	15.00	51	765	4	100	5.10	<LOD
2553	131007	West end of West Thames	10/7/01	15.00	51	765	4	100	5.10	<LOD
2542	141007	Park Place and River Terrace	10/7/01	14.75	45	663.75	3.5	100	4.46	<LOD
2540	151007	River Terrace and Chambers	10/7/01	15.00	45	675	5	100	6.37	<LOD
2541	161007	River Terrace and Warren	10/7/01	15.00	45	675	4	100	5.10	<LOD
2543	171007	North End and Park Place	10/7/01	15.00	45	675	2	100	2.55	<LOD
2539	181007	Vesey and River Terrace	10/7/01	14.50	45	652.5	1	100	1.27	LOD
2555	191007	Trinity Place and Thames	10/7/01	15.00	51	765	5.5	100	7.01	0.004
2560	201007	Vesey and West Broadway	10/7/01	14.50	58	841	14	100	17.83	0.008
2550	FB1	Field Blank 1	10/7/01	0.00	0	0	0	100	0.00	N/A
2551	FB2	Field Blank 2	10/7/01	0.00	0	0	0	100	0.00	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
Limit of Quantitation (LOQ) = 102 [Fiber/mm^2]
Limit of Detection (LOD) = 7 [Fiber/mm^2]

Analysis Performed By:

Marek Pawlik
Laboratory Director

NYC 9/11 Public Portal Document

NYC 9/11 Public Portal Document

RIVERPOINT, Inc.
7 Hillside Ave., New Rochelle, NY 10801

Tel. No.: (914) 632-1552
Facsimile No.: (914) 632-1558

FAX TRANSMITTAL

TO: DEP DATE: 10/8/01 ~~10/7/01~~

Fax No.: 718 595 4690

Attn.: Moustafa Fahmy

Number of pages, including this page: 2

Comments: 10/8

WTC PCM RESULTS FROM ~~10/7~~

Sent by: Binder Elsner

NYC-WTC_000148324 718 595 4690 P.05/05
OCT-09-2001 11:42 NYCDEP DERTA
TOTAL P.05
NYC 9/11 Public Portal Document

Renata Consulting Services, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 Fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 8, 2001
RCS Project # 099

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm²]	Fiber Conc. [Fiber/cc]
2563	011008	Park Place and Church	10/8/01	15.00	45	675	13	100	16.56	0.009
2564	031008	Murray and Church	10/8/01	14.75	45	663.75	10	100	12.74	0.007
2565	021008	Park Place and Greenwich	10/8/01	14.50	61	884.5	10.5	100	13.38	0.006
2566	041008	Murray and Greenwich	10/8/01	14.75	61	899.75	6	100	7.64	0.003
2567	071008	West Street and Warren	10/8/01	14.75	45	663.75	12	100	15.29	0.009
2568	061008	Warren and North End	10/8/01	14.00	45	630	9.5	100	12.10	0.007
2569	171008	North End and Park Place	10/8/01	14.00	45	630	9	100	11.46	0.007
2570	151008	River Terrace and Chambers	10/8/01	14.50	45	652.5	3	100	3.82	<BDL
2571	161008	River Terrace and Warren	10/8/01	14.00	45	630	6	100	7.64	0.005
2572	141008	Park Place and River Terrace	10/8/01	15.00	45	675	4.5	100	5.73	<BDL
2573	181008	Vesey and River Terrace	10/8/01	14.50	45	652.5	4	100	5.10	<BDL
2574	FB1	Field Blank 1	10/8/01	0.00	0	0	0	100	0.00	N/A
2575	FB2	Field Blank 2	10/8/01	0.00	0	0	0	100	0.00	N/A
2576	121008	3rd Place and West End and Waterside	10/8/01	15.00	49	735	5.5	100	7.01	0.004
2577	131008	West end of West Thames	10/8/01	15.00	48	720	2	100	2.55	<BDL
2578	111008	Rector Place by park	10/8/01	14.75	51	752.25	6	100	7.64	0.004
2579	191008	Trinity Place and Thames	10/8/01	15.00	48	720	11	100	14.01	0.007
2580	051008	Fulton and Church	10/8/01	15.00	50	750	7	100	8.92	0.005
2581	081008	Gateway Plaza	10/8/01	14.60	55	803	3	100	3.82	<BDL
2582	091008	South End Avenue and Albany	10/8/01	14.60	50	730	3	100	3.82	<BDL
2583	101008	West and Albany	10/8/01	14.80	45	666	17	100	21.66	0.013
2584	201008	Vesey and West Broadway	10/8/01	14.60	50	730	N/A	100	N/A	N/A*

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
Limit of Quantitation (LOQ) = 102 [Fiber/mm²]
Limit of Detection (LOD) = 7 [Fiber/mm²]
* Sample Overloaded

Analysis Performed By:

Marek Pawlik
Laboratory Director

NYC-WTC_000148325 PAGE 02 RIVERPOINT 9146321558 10/16/2001 23:02

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 16, 2001
RCS Project # 108

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2744	011016	Park Place and Church	10/16/01	15.00	45	675.0	6.0	100	7.64	0.004	0.004
2745	021016	Park Place and Greenwich	10/16/01	15.00	45	675.0	4.0	100	5.10	<LOD	0.004
2746	031016	Murray and Church	10/16/01	15.00	45	675.0	6.0	100	7.64	0.004	0.004
2747	041016	Murray and Greenwich	10/16/01	14.50	45	652.5	3.0	100	3.82	<LOD	0.004
2757	051016	Fulton and Church	10/16/01	15.00	47	705.0	14.5	100	18.47	0.010	0.004
2748	061016	Warren and North End	10/16/01	15.00	45	675.0	13.0	100	16.56	0.009	0.004
2749	071016	West Street and Warren	10/16/01	14.50	45	652.5	8.5	100	10.83	0.006	0.004
2763	081016	Gateway Plaza	10/16/01	14.00	50	700.0	16.0	100	20.38	0.011	0.004
2762	091016	South End Avenue and Albany	10/16/01	14.20	50	710.0	11.0	100	14.01	0.008	0.004
2764	101016	West and Albany	10/16/01	15.00	46	690.0	9.0	100	11.46	0.006	0.004
2761	111016	Rector Place by park	10/16/01	14.45	47	679.2	7.0	100	8.92	0.005	0.004
2759	121016	3rd Place and West End and Waterside	10/16/01	14.50	47	681.5	4.0	100	5.10	<LOD	0.004
2760	131016	West end of West Thames	10/16/01	14.45	47	679.2	3.0	100	3.82	<LOD	0.004
2750	141016	Park Place and River Terrace	10/16/01	15.00	45	675.0	3.0	100	3.82	<LOD	0.004
2751	151016	River Terrace and Chambers	10/16/01	15.00	45	675.0	5.0	100	6.37	<LOD	0.004
2752	161016	River Terrace and Warren	10/16/01	14.75	45	663.8	4.5	100	5.73	<LOD	0.004
2753	171016	North End and Park Place	10/16/01	14.75	45	663.8	4.0	100	5.10	<LOD	0.004
2754	181016	Vesey and River Terrace	10/16/01	15.00	45	675.0	2.0	100	2.55	<LOD	0.004
2765	191016	Trinity Place and Thames	10/16/01	15.00	45	675.0	9.0	100	11.46	0.007	0.004
2758	201016	Barclay and West Broadway	10/16/01	15.00	47	705.0	7.0	100	8.92	0.005	0.004
2755	FB1	Field Blank 1	10/16/01	0	0	0	0	100	0	N/A	N/A
2756	FB2	Field Blank 2	10/16/01	0	0	0	0	100	0	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002
Limit of Quantitation (LOQ) = 102 [Fiber/mm²]
Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Analysis Performed By:

Marek Pawlik
Laboratory Director

NYC 9/11 Public Portal Document

NYC-WTC_000148326

NYC 9/11 Public Portal Document

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 15, 2001
RCS Project # 107

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm^2]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
2722	011015	Park Place and Church	10/15/01	15.00	45	675.0	7.0	100	8.92	0.005	0.004
2723	021015	Park Place and Greenwich	10/15/01	14.50	45	652.5	3.0	100	3.82	0.002	0.004
2724	031015	Murray and Church	10/15/01	15.00	45	675.0	5.5	100	7.01	0.004	0.004
2725	041015	Murray and Greenwich	10/15/01	14.50	45	652.5	3.0	100	3.82	0.002	0.004
2735	051015	Fulton and Church	10/15/01	15.00	46	690.0	18.5	100	23.57	0.013	0.004
2726	061015	Warren and North End	10/15/01	14.50	45	652.5	3.0	100	3.82	0.002	0.004
2727	071015	West Street and Warren	10/15/01	15.00	45	675.0	7.0	100	8.92	0.005	0.004
2741	081015	Gateway Plaza	10/15/01	14.30	48	686.4	6.0	100	7.64	0.004	0.004
2740	091015	South End Avenue and Albany	10/15/01	14.80	47	695.6	4.0	100	5.10	0.003	0.004
2742	101015	West and Albany	10/15/01	15.00	48	720.0	5.0	100	6.37	0.003	0.004
2739	111015	Rector Place by park	10/15/01	14.50	48	696.0	2.0	100	2.55	0.001	0.004
2737	121015	3rd Place and West End and Waterside	10/15/01	14.50	48	696.0	6.0	100	7.64	0.004	0.004
2738	131015	West end of West Thames	10/15/01	14.50	47	681.5	4.0	100	5.10	0.003	0.004
2728	141015	Park Place and River Terrace	10/15/01	14.75	45	663.8	1.5	100	1.91	0.001	0.004
2729	151015	River Terrace and Chambers	10/15/01	15.00	45	675.0	2.0	100	2.55	0.001	0.004
2730	161015	River Terrace and Warren	10/15/01	15.00	45	675.0	3.0	100	3.82	0.002	0.004
2731	171015	North End and Park Place	10/15/01	14.50	45	652.5	4.0	100	5.10	0.003	0.004
2732	181015	Vesey and River Terrace	10/15/01	14.50	45	652.5	5.0	100	6.37	0.004	0.004
2743	191015	Trinity Place and Thames	10/15/01	15.00	47	705.0	7.0	100	8.92	0.005	0.004
2736	201015	Vesey and West Broadway	10/15/01	15.00	47	705.0	17.5	100	22.29	0.012	0.004
2733	FB1	Field Blank 1	10/15/01	0.00	0	0.0	0.0	100	0	N/A	N/A
2734	FB2	Field Blank 2	10/15/01	0.00	0	0.0	0.0	100	0	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
Limit of Quantitation (LOQ) = 102 [Fiber/mm^2]
Limit of Detection (LOD) = 7 [Fiber/mm^2]

Analysis Performed By: Marek Pawlik
Marek Pawlik
Laboratory Director

NYC-WTC_000148327

NYC 9/11 Public Portal Document

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 11, 2001
RCS Project # 102

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm^2]	Fiber Conc. [Fiber/cc]
2629	011011	Park Place and Church	10/11/01	15.00	45	675	6	100	7.64	0.004
2630	021011	Park Place and Greenwich	10/11/01	14.50	45	652.5	3	100	3.82	<LOD
2631	031011	Murray and Church	10/11/01	14.50	45	652.5	8	100	10.19	0.006
2632	041011	Murray and Greenwich	10/11/01	14.50	45	652.5	3	100	3.82	<LOD
2642	051011	Fulton and Church	10/11/01	15.25	48	732	17.5	100	22.29	0.012
2633	061011	Warren and North End	10/11/01	14.75	45	663.75	3	100	3.82	<LOD
2634	071011	West Street and Warren	10/11/01	15.00	35	525	N/A	100	N/A	N/A*
2648	081011	Gateway Plaza	10/11/01	14.80	48	710.4	9	100	11.46	0.006
2647	091011	South End Avenue and Albany	10/11/01	14.70	48	705.6	4	100	5.10	<LOD
2649	101011	West and Albany	10/11/01	15.00	47	705	3	100	3.82	<LOD
2646	111011	Rector Place by park	10/11/01	14.70	50	735	13	100	16.56	0.009
2644	121011	3rd Place and West End and Wa terside	10/11/01	14.70	49	720.3	9	100	11.46	0.006
2645	131011	West end of West Thames	10/11/01	14.80	49	725.2	3	100	3.82	<LOD
2635	141011	Park Place and River Terrace	10/11/01	15.00	45	675	3	100	3.82	<LOD
2636	151011	River Terrace and Chambers	10/11/01	15.00	45	675	2	100	2.55	<LOD
2637	161011	River Terrace and Warren	10/11/01	14.75	45	663.75	4	100	5.10	<LOD
2638	171011	North End and Park Place	10/11/01	14.50	45	652.5	6	100	7.64	0.005
2639	181011	Vesey and River Terrace	10/11/01	14.00	45	630	3	100	3.82	<LOD
2650	191011	Trinity Place and Thames	10/11/01	15.00	48	720	2	100	2.55	<LOD
2643	201011	Vesey and West Broadway	10/11/01	15.00	48	720	7	100	8.92	0.005
2640	FB1	Field Blank 1	10/11/01	0.00	0	0	0	100	0.00	N/A
2641	FB2	Field Blank 2	10/11/01	0.00	0	0	0	100	0.00	N/A

* sample overloaded

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
Limit of Quantitation (LOQ) = 102 [Fiber/mm^2]
Limit of Detection (LOD) = 7 [Fiber/mm^2]

Analysis Performed By: Marek Pawlik

Marek Pawlik
Laboratory Director

NYC-WTC_000148328

NYC 9/11 Public Portal Document

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 11, 2001
RCS Project # 102

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm^2]	Fiber Conc. [Fiber/cc]
2629	011011	Park Place and Church	10/11/01	15.00	45	675	6	100	7.64	0.004
2630	021011	Park Place and Greenwich	10/11/01	14.50	45	652.5	3	100	3.82	<LOD
2631	031011	Murray and Church	10/11/01	14.50	45	652.5	8	100	10.19	0.006
2632	041011	Murray and Greenwich	10/11/01	14.50	45	652.5	3	100	3.82	<LOD
2642	051011	Fulton and Church	10/11/01	15.25	48	732	17.5	100	22.29	0.012
2633	061011	Warren and North End	10/11/01	14.75	45	663.75	3	100	3.82	<LOD
2634	071011	West Street and Warren	10/11/01	15.00	35	525	N/A	100	N/A	N/A*
2648	081011	Gateway Plaza	10/11/01	14.80	48	710.4	9	100	11.46	0.006
2647	091011	South End Avenue and Albany	10/11/01	14.70	48	705.6	4	100	5.10	<LOD
2649	101011	West and Albany	10/11/01	15.00	47	705	3	100	3.82	<LOD
2646	111011	Rector Place by park	10/11/01	14.70	50	735	13	100	16.56	0.009
2644	121011	3rd Place and West End and Wa terside	10/11/01	14.70	49	720.3	9	100	11.46	0.006
2645	131011	West end of West Thames	10/11/01	14.80	49	725.2	3	100	3.82	<LOD
2635	141011	Park Place and River Terrace	10/11/01	15.00	45	675	3	100	3.82	<LOD
2636	151011	River Terrace and Chambers	10/11/01	15.00	45	675	2	100	2.55	<LOD
2637	161011	River Terrace and Warren	10/11/01	14.75	45	663.75	4	100	5.10	<LOD
2638	171011	North End and Park Place	10/11/01	14.50	45	652.5	6	100	7.64	0.005
2639	181011	Vesey and River Terrace	10/11/01	14.00	45	630	3	100	3.82	<LOD
2650	191011	Trinity Place and Thames	10/11/01	15.00	48	720	2	100	2.55	<LOD
2643	201011	Vesey and West Broadway	10/11/01	15.00	48	720	7	100	8.92	0.005
2640	FB1	Field Blank 1	10/11/01	0.00	0	0	0	100	0.00	N/A
2641	FB2	Field Blank 2	10/11/01	0.00	0	0	0	100	0.00	N/A

* sample overloaded

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
Limit of Quantitation (LOQ) = 102 [Fiber/mm^2]
Limit of Detection (LOD) = 7 [Fiber/mm^2]

Analysis Performed By: Marek Pawlik

Marek Pawlik
Laboratory Director

NYC-WTC_000148329

NYC 9/11 Public Portal Document

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 10, 2001
RCS Project # 101

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm^2]	Fiber Conc. [Fiber/cc]
2607	011009	Park Place and Church	10/10/01	14.00	45	630	8	100	10.19	0.006
2608	021009	Park Place and Greenwich	10/10/01	14.50	45	652.5	7.5	100	9.55	0.006
2609	031009	Murray and Church	10/10/01	14.50	45	652.5	3	100	3.82	<LOD
2610	041009	Murray and Greenwich	10/10/01	14.50	45	652.5	6	100	7.64	0.005
2620	051009	Fulton and Church	10/10/01	15.00	48	720	3	100	3.82	<LOD
2611	061009	Warren and North End	10/10/01	14.50	45	652.5	6	100	7.64	0.005
2612	071009	West Street and Warren	10/10/01	14.50	45	652.5	5	100	6.37	<LOD
2626	081009	Gateway Plaza	10/10/01	14.75	50	737.5	5	100	6.37	<LOD
2625	091009	South End Avenue and Albany	10/10/01	14.75	50	737.5	9.5	100	12.10	0.006
2627	101009	West and Albany	10/10/01	15.00	48	720	3	100	3.82	<LOD
2624	111009	Rector Place by park	10/10/01	14.80	50	740	7.5	100	9.55	0.005
2622	121009	3rd Place and West End and W aterside	10/10/01	14.50	50	725	3	100	3.82	<LOD
2623	131009	West end of West Thames	10/10/01	15.00	50	750	2	100	2.55	<LOD
2613	141009	Park Place and River Terrace	10/10/01	14.50	45	652.5	5	100	6.37	<LOD
2614	151009	River Terrace and Chambers	10/10/01	14.50	45	652.5	1.5	100	1.91	<LOD
2615	161009	River Terrace and Warren	10/10/01	15.00	45	675	4.5	100	5.73	<LOD
2616	171009	North End and Park Place	10/10/01	15.00	45	675	4	100	5.10	<LOD
2617	181009	Vesey and River Terrace	10/10/01	14.75	45	663.75	2	100	2.55	<LOD
2628	191009	Trinity Place and Thames	10/10/01	15.00	49	735	3	100	3.82	<LOD
2621	201009	Vesey and West Broadway	10/10/01	14.75	51	752.25	3	100	3.82	<LOD
2618	FB1	Field Blank 1	10/10/01	0.00	0	0	0	100	0.00	N/A
2619	FB2	Field Blank 2	10/10/01	0.00	0	0	0	100	0.00	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002
Limit of Quantitation (LOQ) = 102 [Fiber/mm^2]
Limit of Detection (LOD) = 7 [Fiber/mm^2]

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Analysis Performed By: Marek Pawlik

Marek Pawlik
Laboratory Director

NYC-WTC_000148330

NYC 9/11 Public Portal Document

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 10, 2001
RCS Project # 101

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm^2]	Fiber Conc. [Fiber/cc]
2607	011009	Park Place and Church	10/10/01	14.00	45	630	8	100	10.19	0.006
2608	021009	Park Place and Greenwich	10/10/01	14.50	45	652.5	7.5	100	9.55	0.006
2609	031009	Murray and Church	10/10/01	14.50	45	652.5	3	100	3.82	<LOD
2610	041009	Murray and Greenwich	10/10/01	14.50	45	652.5	6	100	7.64	0.005
2620	051009	Fulton and Church	10/10/01	15.00	48	720	3	100	3.82	<LOD
2611	061009	Warren and North End	10/10/01	14.50	45	652.5	6	100	7.64	0.005
2612	071009	West Street and Warren	10/10/01	14.50	45	652.5	5	100	6.37	<LOD
2626	081009	Gateway Plaza	10/10/01	14.75	50	737.5	5	100	6.37	<LOD
2625	091009	South End Avenue and Albany	10/10/01	14.75	50	737.5	9.5	100	12.10	0.006
2627	101009	West and Albany	10/10/01	15.00	48	720	3	100	3.82	<LOD
2624	111009	Rector Place by park	10/10/01	14.80	50	740	7.5	100	9.55	0.005
2622	121009	3rd Place and West End and W aterside	10/10/01	14.50	50	725	3	100	3.82	<LOD
2623	131009	West end of West Thames	10/10/01	15.00	50	750	2	100	2.55	<LOD
2613	141009	Park Place and River Terrace	10/10/01	14.50	45	652.5	5	100	6.37	<LOD
2614	151009	River Terrace and Chambers	10/10/01	14.50	45	652.5	1.5	100	1.91	<LOD
2615	161009	River Terrace and Warren	10/10/01	15.00	45	675	4.5	100	5.73	<LOD
2616	171009	North End and Park Place	10/10/01	15.00	45	675	4	100	5.10	<LOD
2617	181009	Vesey and River Terrace	10/10/01	14.75	45	663.75	2	100	2.55	<LOD
2628	191009	Trinity Place and Thames	10/10/01	15.00	49	735	3	100	3.82	<LOD
2621	201009	Vesey and West Broadway	10/10/01	14.75	51	752.25	3	100	3.82	<LOD
2618	FB1	Field Blank 1	10/10/01	0.00	0	0	0	100	0.00	N/A
2619	FB2	Field Blank 2	10/10/01	0.00	0	0	0	100	0.00	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
Limit of Quantitation (LOQ) = 102 [Fiber/mm^2]
Limit of Detection (LOD) = 7 [Fiber/mm^2]

Analysis Performed By: Marek Pawlik

Marek Pawlik
Laboratory Director

NYC-WTC_000148331

NYC 9/11 Public Portal Document

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 9, 2001
RCS Project # 100

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm^2]	Fiber Conc. [Fiber/cc]
2585	011009	Park Place and Church	10/9/01	14.50	45	652.5	14	100	17.83	0.011
2586	021009	Park Place and Greenwich	10/9/01	14.50	45	652.5	17	100	21.66	0.013
2587	031009	Murray and Church	10/9/01	14.50	45	652.5	6	100	7.64	0.005
2588	041009	Murray and Greenwich	10/9/01	15.00	45	675	8.5	100	10.83	0.006
2598	051009	Fulton and Church	10/9/01	15.00	45	675	10	100	12.74	0.007
2589	061009	Warren and North End	10/9/01	15.00	45	675	7	100	8.92	0.005
2590	071009	West Street and Warren	10/9/01	15.00	45	675	6	100	7.64	0.004
2604	081009	Gateway Plaza	10/9/01	15.00	47	705	5.5	100	7.01	0.004
2603	091009	South End Avenue and Albany	10/9/01	15.00	48	720	9	100	11.46	0.006
2605	101009	West and Albany	10/9/01	14.75	47	693.25	4	100	5.10	<LOD
2602	111009	Rector Place by Park	10/9/01	15.00	49	735	3	100	3.82	<LOD
2600	121009	3rd Place and West End and Waterside	10/9/01	15.00	48	720	6	100	7.64	0.004
2601	131009	West end of West Thames	10/9/01	14.75	48	708	5	100	6.37	<LOD
2591	141009	Park Place and River Terrace	10/9/01	14.50	45	652.5	4	100	5.10	<LOD
2592	151009	River Terrace and Chambers	10/9/01	14.75	45	663.75	6	100	7.64	0.004
2593	161009	River Terrace and Warren	10/9/01	15.00	45	675	3	100	3.82	<LOD
2594	171009	North End and Park Place	10/9/01	15.00	45	675	2	100	2.55	<LOD
2595	181009	Vesey and River Terrace	10/9/01	14.50	45	652.5	7.5	100	9.55	0.006
2606	191009	Trinity Place and Thames	10/9/01	15.00	51	765	4	100	5.10	<LOD
2599	201009	Vesey and West Broadway	10/9/01	14.50	35	507.5	23.5	100	29.94	0.023
2596	FB1	Field Blank 1	10/9/01	0.00	0	0	0	100	0.00	N/A
2597	FB2	Field Blank 2	10/9/01	0.00	0	0	0	100	0.00	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002
Limit of Quantitation (LOQ) = 102 [Fiber/mm^2]
Limit of Detection (LOD) = 7 [Fiber/mm^2]

Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400

Analysis Performed By: Marek Pawlik

Marek Pawlik
Laboratory Director

NYC-WTC_000148332

NYC 9/11 Public Portal Document

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 9, 2001
RCS Project # 100

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm^2]	Fiber Conc. [Fiber/cc]
2585	011009	Park Place and Church	10/9/01	14.50	45	652.5	14	100	17.83	0.011
2586	021009	Park Place and Greenwich	10/9/01	14.50	45	652.5	17	100	21.66	0.013
2587	031009	Murray and Church	10/9/01	14.50	45	652.5	6	100	7.64	0.005
2588	041009	Murray and Greenwich	10/9/01	15.00	45	675	8.5	100	10.83	0.006
2598	051009	Fulton and Church	10/9/01	15.00	45	675	10	100	12.74	0.007
2589	061009	Warren and North End	10/9/01	15.00	45	675	7	100	8.92	0.005
2590	071009	West Street and Warren	10/9/01	15.00	45	675	6	100	7.64	0.004
2604	081009	Gateway Plaza	10/9/01	15.00	47	705	5.5	100	7.01	0.004
2603	091009	South End Avenue and Albany	10/9/01	15.00	48	720	9	100	11.46	0.006
2605	101009	West and Albany	10/9/01	14.75	47	693.25	4	100	5.10	<LOD
2602	111009	Rector Place by park	10/9/01	15.00	49	735	3	100	3.82	<LOD
2600	121009	3rd Place and West End and Waterside	10/9/01	15.00	48	720	6	100	7.64	0.004
2601	131009	West end of West Thames	10/9/01	14.75	48	708	5	100	6.37	<LOD
2591	141009	Park Place and River Terrace	10/9/01	14.50	45	652.5	4	100	5.10	<LOD
2592	151009	River Terrace and Chambers	10/9/01	14.75	45	663.75	6	100	7.64	0.004
2593	161009	River Terrace and Warren	10/9/01	15.00	45	675	3	100	3.82	<LOD
2594	171009	North End and Park Place	10/9/01	15.00	45	675	2	100	2.55	<LOD
2595	181009	Vesey and River Terrace	10/9/01	14.50	45	652.5	7.5	100	9.55	0.006
2606	191009	Trinity Place and Thames	10/9/01	15.00	51	765	4	100	5.10	<LOD
2599	201009	Vesey and West Broadway	10/9/01	14.50	35	507.5	23.5	100	29.94	0.023
2596	FB1	Field Blank 1	10/9/01	0.00	0	0	0	100	0.00	N/A
2597	FB2	Field Blank 2	10/9/01	0.00	0	0	0	100	0.00	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
Limit of Quantitation (LOQ) = 102 [Fiber/mm^2]
Limit of Detection (LOD) = 7 [Fiber/mm^2]

Analysis Performed By: Marek Pawlik

Marek Pawlik
Laboratory Director

NYC-WTC_00014833

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TOTAL P.05

Renata Consulting Services, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 8, 2001
RCS Project # 099

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm²]	Fiber Conc. [Fiber/cc]
2563	011008	Park Place and Church	10/8/01	15.00	45	675	13	100	16.56	0.009
2564	031008	Murray and Church	10/8/01	14.75	45	663.75	10	100	12.74	0.007
2565	021008	Park Place and Greenwich	10/8/01	14.50	61	884.5	10.5	100	13.38	0.006
2566	041008	Murray and Greenwich	10/8/01	14.75	61	899.75	6	100	7.64	0.003
2567	071008	West Street and Warren	10/8/01	14.75	45	663.75	12	100	15.29	0.009
2568	061008	Warren and North End	10/8/01	14.00	45	630	9.5	100	12.10	0.007
2569	171008	North End and Park Place	10/8/01	14.00	45	630	9	100	11.46	0.007
2570	151008	River Terrace and Chambers	10/8/01	14.50	45	652.5	3	100	3.82	<BDL
2571	161008	River Terrace and Warren	10/8/01	14.00	45	630	6	100	7.64	0.005
2572	141008	Park Place and River Terrace	10/8/01	15.00	45	675	4.5	100	5.73	<BDL
2573	181008	Vesey and River Terrace	10/8/01	14.50	45	652.5	4	100	5.10	<BDL
2574	FB1	Field Blank 1	10/8/01	0.00	0	0	0	100	0.00	N/A
2575	FB2	Field Blank 2	10/8/01	0.00	0	0	0	100	0.00	N/A
2576	121008	3rd Place and West End and Waterside	10/8/01	15.00	49	735	5.5	100	7.01	0.004
2577	131008	West end of West Thames	10/8/01	15.00	48	720	2	100	2.55	<BDL
2578	111008	Rector Place by park	10/8/01	14.75	51	752.25	6	100	7.64	0.004
2579	191008	Trinity Place and Thames	10/8/01	15.00	48	720	11	100	14.01	0.007
2580	051008	Fulton and Church	10/8/01	15.00	50	750	7	100	8.92	0.005
2581	081008	Gateway Plaze	10/8/01	14.60	55	803	3	100	3.82	<BDL
2582	091008	South End Avenue and Albany	10/8/01	14.60	50	730	3	100	3.82	<BDL
2583	101008	West and Albany	10/8/01	14.80	45	666	17	100	21.66	0.013
2584	201008	Vesey and West Broadway	10/8/01	14.60	50	730	N/A	100	N/A	N/A*

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 **Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400**
Limit of Quantitation (LOQ) = 102 [Fiber/mm²]
Limit of Detection (LOD) = 7 [Fiber/mm²]
* **Sample Overloaded**

Analysis Performed By:

Marek Pawlik
Laboratory Director

NYC-WTC_000148334

NYC 9/11 Public Portal Document

TOTAL P.05

Renata Consulting Services, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 8, 2001
RCS Project # 099

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm²]	Fiber Conc. [Fiber/cc]
2563	011008	Park Place and Church	10/8/01	15.00	45	675	13	100	16.56	0.009
2564	031008	Murray and Church	10/8/01	14.75	45	663.75	10	100	12.74	0.007
2565	021008	Park Place and Greenwich	10/8/01	14.50	61	884.5	10.5	100	13.38	0.006
2566	041008	Murray and Greenwich	10/8/01	14.75	61	899.75	6	100	7.64	0.003
2567	071008	West Street and Warren	10/8/01	14.75	45	663.75	12	100	15.29	0.009
2568	061008	Warren and North End	10/8/01	14.00	45	630	9.5	100	12.10	0.007
2569	171008	North End and Park Place	10/8/01	14.00	45	630	9	100	11.46	0.007
2570	151008	River Terrace and Chambers	10/8/01	14.50	45	652.5	3	100	3.82	<BDL
2571	161008	River Terrace and Warren	10/8/01	14.00	45	630	6	100	7.64	..005
2572	141008	Park Place and River Terrace	10/8/01	15.00	45	675	4.5	100	5.73	<BDL
2573	181008	Vesey and River Terrace	10/8/01	14.50	45	652.5	4	100	5.10	<BDL
2574	FB1	Field Blank 1	10/8/01	0.00	0	0	0	100	0.00	N/A
2575	FB2	Field Blank 2	10/8/01	0.00	0	0	0	100	0.00	N/A
2576	121008	3rd Pla... and West End and Waterside	10/8/01	15.00	49	735	5.5	100	..01	0.004
2577	131008	West end of West Thames	10/8/01	15.00	48	720	2	100	2.55	<BDL
2578	111008	Rector Place by park	10/8/01	14.75	51	752.25	6	100	7.64	0.004
2579	191008	Trinity Place and Thames	10/8/01	15.00	48	720	11	100	14.01	0.007
2580	051008	Fulton and Church	10/8/01	15.00	50	750	7	100	8.92	0.005
2581	081008	Gateway Plaze	10/8/01	14.60	55	803	3	100	3.82	<BDL
2582	091008	South End Avenue and Albany	10/8/01	14.60	50	730	3	100	3.82	<BDL
2583	101008	West and Albany	10/8/01	14.80	45	666	17	100	21.66	0.013
2584	201008	Vesey and West Broadway	10/8/01	14.60	50	730	N/A	100	N/A	N/A*

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 **Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400**
Limit of Quantitation (LOQ) = 102 [Fiber/mm²]
Limit of Detection (LOD) = 7 [Fiber/mm²]
* **Sample Overloaded**

Analysis Performed By:

Marek Pawlik
Laboratory Director

NYC-WTC_00014833

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 7, 2001
RCS Project # 097

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fibers/mm²]	Fiber Conc. [Fibers/cc]
2548	011007	Park Place and Church	10/7/01	15.00	45	675	6	100	7.64	0.004
2546	021007	Park Place and Greenwich	10/7/01	15.00	45	675	7	100	8.92	0.005
2549	031007	Murray and Church	10/7/01	14.50	45	652.5	6.5	100	8.28	0.005
2547	041007	Murray and Greenwich	10/7/01	14.25	45	641.25	4	100	5.10	<LOD
2556	051007	Fulton and Church	10/7/01	15.00	48	720	20.5	100	26.11	0.014
2544	061007	Warren and North End	10/7/01	14.50	45	652.5	3	100	3.82	<LOD
2545	071007	West Street and Warren	10/7/01	15.00	45	675	4	100	5.10	<LOD
2557	081007	Gateway Plaza	10/7/01	15.00	45	675	7.5	100	9.55	0.005
2558	091007	South End Avenue and Albany	10/7/01	15.00	49	735	3	100	3.82	<LOD
2559	101009	West and Albany	10/7/01	15.00	46	690	6	100	7.64	0.004
2554	111007	Rector Place by park	10/7/01	14.75	51	752.25	4	100	5.10	<LOD
2552	121007	3rd Place and West End and Waterside	10/7/01	15.00	51	765	4	100	5.10	<LOD
2553	131007	West end of West Thames	10/7/01	15.00	51	765	4	100	5.10	<LOD
2542	141007	Park Place and River Terrace	10/7/01	14.75	45	663.75	3.5	100	4.46	<LOD
2540	151007	River Terrace and Chambers	10/7/01	15.00	45	675	5	100	6.37	<LOD
2541	161007	River Terrace and Warren	10/7/01	15.00	45	675	4	100	5.10	<LOD
2543	171007	North End and Park Place	10/7/01	15.00	45	675	2	100	2.55	<LOD
2539	181007	Vesey and River Terrace	10/7/01	14.50	45	652.5	1	100	1.27	LOD
2555	191007	Trinity Place and Thames	10/7/01	15.00	51	765	5.5	100	7.01	0.004
2560	201007	Vesey and West Broadway	10/7/01	14.50	58	841	14	100	17.83	0.008
2550	FB1	Field Blank 1	10/7/01	0.00	0	0	0	100	0.00	N/A
2551	FB2	Field Blank 2	10/7/01	0.00	0	0	0	100	0.00	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 **Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400**
Limit of Quantitation (LOQ) = 102 [Fiber/mm²]
Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: Marek Pawlik
Marek Pawlik
Laboratory Director

NYC 9/11 Public Portal Document

NYC-WTC_00018336 718 595 4690 P.03/05 NYCDEP DERTA OCT-09-2001 11:40

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: October 7, 2001
RCS Project # 097

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm²]	Fiber Conc. [Fiber/cc]
2548	011007	Park Place and Church	10/7/01	15.00	45	675	6	100	7.64	0.004
2546	021007	Park Place and Greenwich	10/7/01	15.00	45	675	7	100	8.92	0.005
2549	031007	Murray and Church	10/7/01	14.50	45	652.5	6.5	100	8.28	0.005
2547	041007	Murray and Greenwich	10/7/01	14.25	45	641.25	4	100	5.10	<LOD
2556	051007	Fulton and Church	10/7/01	15.00	48	720	20.5	100	26.11	0.014
2544	061007	Warren and North End	10/7/01	14.50	45	652.5	3	100	3.82	<LOD
2545	071007	West Street and Warren	10/7/01	15.00	45	675	4	100	5.10	<LOD
2557	081007	Gateway Plaza	10/7/01	15.00	45	675	7.5	100	9.55	0.005
2558	091007	South End Avenue and Albany	10/7/01	15.00	49	735	3	100	3.82	<LOD
2559	101009	West and Albany	10/7/01	15.00	46	690	6	100	7.64	0.004
2554	111007	Rector Place by park	10/7/01	14.75	51	752.25	4	100	5.10	<LOD
2552	121007	3rd Place and West End and Waterside	10/7/01	15.00	51	765	4	100	5.10	<LOD
2553	131007	West end of West Thames	10/7/01	15.00	51	765	4	100	5.10	<LOD
2542	141007	Park Place and River Terrace	10/7/01	14.75	45	663.75	3.5	100	4.46	<LOD
2540	151007	River Terrace and Chambers	10/7/01	15.00	45	675	5	100	6.37	<LOD
2541	161007	River Terrace and Warren	10/7/01	15.00	45	675	4	100	5.10	<LOD
2543	171007	North End and Park Place	10/7/01	15.00	45	675	2	100	2.55	<LOD
2539	181007	Vesey and River Terrace	10/7/01	14.50	45	652.5	1	100	1.27	LOD
2555	191007	Trinity Place and Thames	10/7/01	15.00	51	765	5.5	100	7.01	0.004
2560	201007	Vesey and West Broadway	10/7/01	14.50	58	841	14	100	17.83	0.008
2550	FB1	Field Blank 1	10/7/01	0.00	0	0	0	100	0.00	N/A
2551	FB2	Field Blank 2	10/7/01	0.00	0	0	0	100	0.00	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 **Analysis Method:** **Phase Contrast Microscopy, NIOSH Method 7400**
Limit of Quantitation (LOQ) = 102 [Fiber/mm²]
Limit of Detection (LOD) = 7 [Fiber/mm²]

Analysis Performed By: Mark Pawlik

Mark Pawlik
Laboratory Director

NYC 9/11 Public Portal Document

NYC-WTC_000148337

NYC 9/11 Public Portal Document

Renata **C**onsulting **S**ervices, Inc.
304 Edgemont Terrace Teaneck NJ 07666 201 692 7967 fax 201 678 1789

Certificate of Analysis

Client: Riverpoint, Inc
Client #: 101171

Project Location: WTC, NYC
Work Area: N/A

Analysis Date: December 03, 2001
RCS Project # 165

PCM Air Sample Analysis Summary

Lab ID	Client ID	Sample Description	Date Collected	Flow Rate [liters/min.]	Duration [minutes]	Volume [liters]	Fibers	Fields	Density [Fiber/mm²]	Fiber Conc. [Fiber/cc]	LOD [Fiber/cc]
1897	011203	Park Place and Church 16	12/3/01	14.30	45	643.5	8.50	100	10.83	0.006	0.004
1892	021203	Park Place and Greenwich 15	12/3/01	14.80	45	666.0	14.50	100	18.47	0.011	0.004
1898	031203	Murray and Church 17	12/3/01	14.60	45	657.0	13.00	100	16.56	0.010	0.004
1893	041203	Murray and Greenwich 11	12/3/01	15.00	45	675.0	16.50	100	21.02	0.012	0.004
1894	051203	Fulton and Church 21	12/3/01	14.80	45	666.0	19.00	100	24.20	0.014	0.004
1899	061203	Warren and North End 7	12/3/01	14.30	45	643.5	6.00	100	7.64	0.005	0.004
1900	071203	West Street and Warren 8	12/3/01	14.30	45	643.5	4.00	100	5.10	<LOD	0.004
1906	081203	Gateway Plaza 27	12/3/01	14.70	45	661.5	7.50	100	9.55	0.006	0.004
1907	091203	South End Avenue and Albany 31	12/3/01	14.70	45	661.5	3.00	100	3.82	<LOD	0.004
1908	101203	West and Albany 32	12/3/01	14.70	45	661.5	12.00	100	15.29	0.009	0.004
1909	111203	Rector Place by park 33A	12/3/01	14.70	45	661.5	8.00	100	10.19	0.006	0.004
1910	121203	3rd Place and South End and Waterside 37	12/3/01	14.70	45	661.5	14.00	100	17.83	0.010	0.004
1911	131203	West end of West Thames 34	12/3/01	14.70	45	661.5	7.00	100	8.92	0.005	0.004
1901	141203	Park Place and River Terrace 9	12/3/01	14.30	45	643.5	10.00	100	12.74	0.008	0.004
1902	151203	River Terrace and Chambers 4	12/3/01	14.30	45	643.5	7.00	100	8.92	0.005	0.004
1903	161203	River Terrace and Warren 6A	12/3/01	14.30	45	643.5	6.00	100	7.64	0.005	0.004
1904	171203	North End and Park Place 10	12/3/01	14.30	45	643.5	3.50	100	4.46	<LOD	0.004
1905	181203	Vesey and River Terrace 17	12/3/01	14.30	45	643.5	6.00	100	7.64	0.005	0.004
1895	191203	Trinity Place and Thames 19	12/3/01	15.00	45	675.0	15.50	100	19.75	0.011	0.004
1896	201203	Vesey and West Broadway 20A	12/3/01	14.80	45	666.0	31.00	100	39.49	0.023	0.004
1912	FB1	Field Blank 1	12/3/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A
1913	FB2	Field Blank 2	12/3/01	0.00	0	0.0	0.00	100	0.00	N/A	N/A

ELAP ID No. 11750 Expires 12:01 AM, April 1, 2002 Analysis Method: Phase Contrast Microscopy, NIOSH Method 7400
Limit of Quantitation (LOQ) = 102 [Fiber/mm^2]
Limit of Detection (LOD) = 7 [Fiber/mm^2]

Analysis Performed By: Mark Pawlik

Marek Pawlik
Laboratory Director

NYC 9/11 Public Portal Document

SciLab Job #: 201121204
Client Name: Riverpoint, Inc.

Table 1
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
101171; WTC PCM

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	Analytical Sensitivity (str/cc air)	Asbestos Structures Detected (Microns) 0.5-5.0	>5.0	Total	Structure Density (str/sq. mm.) >5.0	Total	Structure Concentration (str/cc air) >5.0	Total	Type of Asbestos
01	021203 Park Pl. / Greenwich		666	.1	0.0058	0.0	0.0	0.0	<10	<10	<0.0058	<0.0058	NSD
02	031203 Murray / Church		657	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
03	041203 Murray / Greenwich		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
04	051203 Fulton / Church		666	.1	0.0058	0.0	0.0	0.0	<10	<10	<0.0058	<0.0058	NSD
05	121203 3rd Pl. / South End		662	.1	0.0058	0.0	0.0	0.0	<10	<10	<0.0058	<0.0058	NSD
06	191203 Trinity Pl. / Thames		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
07	201203 Vesey / West Broadway		666	.9	0.0058	1.0	1.0	2.0	10.0	20.0	0.0058	0.0116	chrysotile

* concentration represented by the detection of 1 structure
** not analyzed
NSD: No Asbestos Structures Detected

Reviewed By: _____ ; Analyzed By: _____ Glenn Money Date: 12/4/01

NVLAP#: 200546-0

NYC-WTC_000148338

NYC 9/11 Public Portal Document

RIVERPOINT, Inc.
7 Hillside Ave., New Rochelle, NY 10801

Tel. No.: (914) 632-1552
Facsimile No. (914) 632-1558

FAX TRANSMITTAL

TO: NYC DEP DATE: 12/4/01

Fax No.: 718.595

Attn.: Ms. M. Fawzy

Number of pages, including this page: 2

Comments:

TEM Results
Collected

Sent by: Bruce Ellenbecker

NYC-WTC_000148339

NYC-WTC_000148340

NYC 9/11 Public Portal Document

SciLab Job #: 201121204
Client Name: Riverpoint, Inc.

Table I

Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)

101171; WTC [illegible] M

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns) 0.5-5.0	>5.0	Total	Structure Density (struc/sq. mm.) >5.0	Total	Structure Concentration (struc/cc air) >5.0	Total	Type of Asbestos
01	021201 Park Pl. / Greenwich		666	.1	0.0055	0.0	0.0	0.0	<10	<10	<0.0058	<0.0058	NSD
02	031203 Murray / Church		657	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0059	<0.0059	NSD
03	041203 Murray / Greenwich		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
04	051203 Fulton / Church		666	.1	0.0059	0.0	0.0	0.0	<10	<10	<0.0058	<0.0058	NSD
05	121203 3rd Pl. / South End		662	.1	0.0058	0.0	0.0	0.0	<10	<10	<0.0058	<0.0058	NSD
06	191203 Trinity Pl. / Thames		675	.1	0.0057	0.0	0.0	0.0	<10	<10	<0.0057	<0.0057	NSD
07	201203 Vesey / West Boundary		666	.1	0.0059	1.0	1.0	3.0	10.0	30.0	0.0058	0.0116	chrysotile

* concentration represented by [illegible] structure

** not analyzed

NSD: No Asbestos Structures Detected

Reviewed By: _____ Analyzed By: _____ Date: 12/4/01
Glenn Massey

NVLAP#: 200546-0

NYC-WTC_000148341

DATE: 10/04/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc/mm2)
10/03/01	1103RTK307006	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307009	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
10/03/01	LAB3-002	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/03/01	LAB3-003	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/03/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
10/03/01	LAB3-006	RECTOR PL BY THE PARK	AMBIENT	40	600	0.009	<LOQ	
10/03/01	LAB3-008	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600		0.011	
10/03/01	LAB3-007	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
10/03/01	302/003	WEST ST & ALBANY	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307008	GATEWAY PLAZA (SOUTHEND AVE/LIBERTY ST)	AMBIENT	35	525		0.010	
PERIMETER SAMPLES								
10/04/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ	
10/04/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.014	
10/04/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525		0.030	
10/04/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525		0.019	
10/04/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.016	
10/04/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.077	
10/04/01	LAB3-001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525		0.014	
BATTERY PARK SAMPLES								
NORTH END								
10/04/01	1104RTK307004	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/04/01	1104RTK307002	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
10/04/01	1104RTK307003	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
10/04/01	1104RTK307001	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
10/04/01	LAB3-002	NORTH END AVE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
10/04/01	1104RTK307005	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/04/01	LAB3-003	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.012	
10/04/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
10/04/01	LAB3-006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/04/01	LAB3-005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.011	
10/04/01	302/007	WEST ST & ALBANY	AMBIENT	35	525		0.012	
10/04/01	1104RTK307006	GATEWAY PLAZA (SOUTHEND AVE/LIBERTY ST)	AMBIENT	35	525		0.022	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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OCT-04-2001 21:37

TOTAL P.02
NYC 9/11 Public Portal Document

NYC-WTC_00014834

WORLD TRADE CENTER AIR MONITORING TABLE

0/5/01

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)
PERIMETER SAMPLES							
10/04/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ
10/04/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.014
10/04/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525		0.030
10/04/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525		0.019
10/04/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.016
10/04/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.077
10/04/01	LAB3-001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525		0.014
BATTERY PARK SAMPLES							
NORTH END							
10/04/01	1104RTK307004	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ
10/04/01	1104RTK307002	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ
10/04/01	1104RTK307003	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ
10/04/01	1104RTK307001	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ
10/04/01	LAB3-002	NORTH END AVE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ
10/04/01	1104RTK307005	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ
SOUTH END							
10/04/01	LAB3-003	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.012
10/04/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ
10/04/01	LAB3-006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ
10/04/01	LAB3-005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.011
10/04/01	302/007	WEST ST & ALBANY	AMBIENT	35	525		0.012
10/04/01	1104RTK307006	GATEWAY PLAZA (SOUTHEND AVE/LIBERTY ST)	AMBIENT	35	525		0.022

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC 9/11 Public Portal Document

Subj: **Fwd: WTC PCM Results**
Date: 10/6/2001 3:59:32 AM Eastern Daylight Time
From: BOBRAKATE
To: GaspOpus, AuntRocca
To: Hazmat212@aol.com; moose132@yahoo.com

File: WTCSamples105.pdf (5794947 bytes)
DL Time (52000 bps): < 31 minutes

I am having trouble reading the file. Also Numbers 14 & 15 state "Field Blank", I don't know what they represent.

Additionally, there are no samples from the South End of Battery Park City. Is that deliberate? Please advise. I have not sent to Commissioner will wait to hear from you. Thanks

---

Forwarded Message:
Subj: **WTC PCM Results**
Date: 10/5/2001 11:26:38 PM Eastern Daylight Time
From: belvenaes@earthlink.net (Birger Elvenaes)
Reply-to: belvenaes@earthlink.net
To: Bobrakate@aol.com, moose132@yahoo.com, HazMat212@aol.com, doheocdesk@aol.com

Attached are PCM laboratory results from air samples collected from the vicinity of the World Trade Center on October 5, 2001.

Please note that when a sample result is expressed as less than a certain fiber concentration such as "< 0.004 f/cc" then that result means that the fiber count was less than 0.004 fibers per cubic centimeter and that the LOQ (Limit of Quantification) was 0.004 f/cc.

Birger Elvenaes

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">

Attached are PCM laboratory results from air samples collected from the vicinity of the World Trade Center on October 5, 2001.

Please note that when a sample result is expressed as less than a certain fiber concentration such as "< 0.004 f/cc" then that result means that the fiber count was less than 0.004 fibers per cubic centimeter and that the LOQ (Limit of Quantification) was 0.004 f/cc.

Birger Elvenaes

---------- Headers ----------
Return-Path: <belvenaes@earthlink.net>
Received: from rly-xc05.mx.aol.com (rly-xc05.mail.aol.com [172.20.105.138]) by air-xc03.mail.aol.com (v80.17) with ESMTP id MAILINXC35-1005232600; Fri, 05 Oct 2001 23:26:00 -0400
Received: from falcon.mail.pas.earthlink.net (falcon.mail.pas.earthlink.net [207.217.120.74]) by rly-xc05.mx.aol.com (v80.21) with ESMTP id MAILRELAYINXC54-1005232523; Fri, 05 Oct 2001 23:25:23 -0400
Received: from earthlink.net (user-vcaug5d.dsl.mindspring.com [216.175.64.173])
by falcon.mail.pas.earthlink.net (8.11.5/8.9.3) with ESMTP id f963LM622246;
Fri, 5 Oct 2001 20:21:22 -0700 (PDT)
Message-ID: <3BBE795A.E64BF984@earthlink.net>
Date: Fri, 05 Oct 2001 23:24:09 -0400
From: Birger Elvenaes <belvenaes@earthlink.net>
Reply-To: belvenaes@earthlink.net
X-Mailer: Mozilla 4.7C-CCK-MCD {C-UDP; EBM-APPLE} (Macintosh; I; PPC)
X-Accept-Language: en

NYC-WTC_000148344

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Min)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Cont. TEM (struc/mm2)
10/01/01	1101RTKA307000	WEST ST & ALBANY	AMBIENT	40	600		0.012	
10/01/01	LAB3-005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
10/02/01	1102RTK307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
10/02/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.019	
10/02/01	1102RTK307003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
10/02/01	302/005	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
10/02/01	1102RTK307001	PARK PL. & CHURCH	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307004	PARK PL. & GREENWICH	AMBIENT	40	600	0.008	<LOQ	
10/02/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.016	
BATTERY PARK SAMPLES								
NORTH END								
10/02/01	1102RTK307007	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307003	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307006	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
10/02/01	302/004	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
10/02/01	302/005	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-001	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/02/01	LAB3-003	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
10/02/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
10/02/01	LAB3-006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525	0.008	<LOQ	
10/02/01	302/003	WEST ST & ALBANY	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
10/03/01	1103RTK307001	PARK PL. & CHURCH	AMBIENT	35	675	0.009	<LOQ	
10/03/01	1103RTK307002	MURRAY & CHURCH ST.	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307004	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307003	MURRAY & GREENWICH ST.	AMBIENT	35	525		0.021	
10/03/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.023	
10/03/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.020	
10/03/01	LAB3-001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525		0.010	
BATTERY PARK SAMPLES								
NORTH END								
10/03/01	1103RTK307007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307005	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC 9/11 Public Portal Document

P.02
BANHM LABORATORY UNIT
OCT-04-2001 09:48

DATE: 10/03/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Min)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
0/03/01	1103RTK307006	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
0/03/01	1103RTK307009	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
0/03/01	LAB3-002	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
0/03/01	LAB3-003	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
0/03/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
0/03/01	LAB3-006	RECTOR PL BY THE PARK	AMBIENT	40	600	0.009	<LOQ	
0/03/01	LAB3-008	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600		0.011	
0/03/01	LAB3-007	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
0/03/01	302/003	WEST ST & ALBANY	AMBIENT	35	525	0.009	<LOQ	
0/03/01	1103RTK307008	GATEWAY PLAZA (SOUTHEND AVE/LIBERTY ST)	AMBIENT	35	525		0.010	

BANHM LABORATORY UNIT
OCT-04-2001 09:49

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

TOTAL P.03
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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Compliance
Laboratory Unit
96-05 HORACE HARDING EXPRESSWAY
CORONA, N.Y. 11368
718- 595- 6309
FAX: 718- 595- 6307

To: Jane

Date: 10/4/01

Fax #: 4544

No. of Pages: 3
(including cover page)

From: L. Attelwey

Subject:

COMMENTS:

NYC-WTC_000148346

NYC 9/11 Public Portal Document

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Compliance
Laboratory Unit
59-17 Horace Harding Expressway
Corona, N.Y. 11368
718-595-6309
Fax 718-595-6307

To: Jane

Date: 10/4/01

Fax #: 4541

No. of Pages: 3
(Including cover page)

From: L. Attelucci

Subject:

COMMENTS:

NYC-WTC_000148347

NYC-WTC_000148348

P.15

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc/mm2)
9/01/01	1101RTK30700[illegible]	WEST ST & ALBANY	AMBIENT	40	600		0.012	
9/01/01	LAB3-005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
	PERIMETER SAMPLES							
9/02/01	1102RTK307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
9/02/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.019	
9/02/01	1102RTK307003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
9/02/01	302/005	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
9/02/01	1102RTK307001	PARK PL. & CHURCH	AMBIENT	45	675	0.007	<LOQ	
9/02/01	1102RTK307004	PARK PL. & GREENWICH	AMBIENT	40	600	0.008	<LOQ	
9/02/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.016	
	BATTERY PARK SAMPLES							
	NORTH END							
9/02/01	1102RTK307007	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
9/02/01	1102RTK307003	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
9/02/01	1102RTK307006	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
9/02/01	302/004	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
9/02/01	302/005	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
9/02/01	LAB3-001	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
	SOUTH END							
9/02/01	LAB3-003	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
9/02/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
9/02/01	LAB3-006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
9/02/01	LAB3-005	WEST OF THIRD PL (SOUTH COVE APARTMENTS)	AMBIENT	35	525	0.008	<LOQ	
9/02/01	302/003	WEST ST & ALBANY	AMBIENT	35	525	0.009	<LOQ	
9/02/01	LAB3-002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	
	PERIMETER SAMPLES							
10/03/01	1103RTK307001	PARK PL. & CHURCH	AMBIENT	35	675	0.009	<LOQ	
10/03/01	1103RTK307002	MURRAY & CHURCH ST	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307004	PARK PL. & GREENWICH ST	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307003	MURRAY & GREENWICH ST	AMBIENT	35	525		0.021	
10/03/01	302/001	FULTON & CHURCH ST	AMBIENT	35	525		0.023	
10/03/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.028	
10/03/01	LAB3-001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525		0.010	
	BATTERY PARK SAMPLES							
	NORTH END							
10/03/01	1103RTK307007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307005	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	

BAHNI LABORATORY UNIT
OCT-04-2001 09:48

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYC-WTC_00014834

NYC 9/11 Public Portal Document

TOTAL P.03

P.2

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
10/03/01	1103RTK307006	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307009	WEST ST & WARREN ST	AMBIENT	35	525	0.009	<LOQ	
10/03/01	LAB3-002	NORTHEND AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/03/01	LAB3-003	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/03/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
10/03/01	LAB3-006	RECTOR PL BY THE PARK	AMBIENT	40	600	0.009	<LOQ	
10/03/01	LAB3-008	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600		0.011	
10/03/01	LAB3-007	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
10/03/01	302/003	WEST ST & ALBANY	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307008	GATEWAY PLAZA (SOUTH END AVE/LIBERTY ST)	AMBIENT	35	525		0.010	

OCT-04-2001 09:49 BAHNH LABORATORY UNIT

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Compliance
Laboratory Unit
96-05 HORACE HARDING EXPRESSWAY
CORONA, N.Y. 11368
718- 595- 6309
FAX: 718- 595- 6307

To: Mike Gilsenan **Date:** 10/2/01

Fax #: 4544 **No. of Pages:** 2
(including cover page)

From: _____

Subject: _____

COMMENTS:

_____

_____

_____

DATE: 10/02/01

NYC 9/11 Public Portal Document

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
10/01/01	1101/RTKA30700(	WEST ST & ALBANY	AMBIENT	40	600		0.012	
10/01/01	LAB3-005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
10/02/01	1102RTK307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
10/02/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.019	
10/02/01	1102RTK307003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
10/02/01	302/005	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
10/02/01	1102RTK307001	PARK PL. & CHURCH	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307004	PARK PL. & GREENWICH	AMBIENT	40	600	0.008	<LOQ	
10/02/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.016	
BATTERY PARK SAMPLES								
NORTH END								
10/02/01	1102RTK307007	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307006	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
10/02/01	302/004	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
10/02/01	302/006	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-001	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/02/01	LAB3-003	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
10/02/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
10/02/01	LAB3-006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525	0.008	<LOQ	
10/02/01	302/003	WEST ST & ALBANY	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Compliance
Laboratory Unit
[illegible]
[illegible], NY [illegible]
718 595 6[illegible]
Fax: 718 595 [illegible]

To: [illegible] Date: [illegible]

Fax: [illegible] [illegible]
(including this cover page)

From: [illegible]

Subject: [illegible]

COMMENTS:

[illegible]

[illegible]

[illegible]

NYC-WTC_000148352

NYC-WTC_00014835

NYC 9/11 Public Portal Document

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Area/Area Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./cm2)
10/01/01	1102RTKA307000	WEST ST & ALBANY	AMBIENT	40	600		0.012	
10/01/01	LAB3-005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
10/02/01	1102RTK307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
10/02/01	302/001	FULTON & CHURCH ST	AMBIENT	35	525		0.019	
10/02/01	1102RTK307003	MURRAY & GREENWICH ST	AMBIENT	40	600	0.008	<LOQ	
10/02/01	302/005	WARREN ST & SOUTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
10/02/01	1102RTK307001	PARK PL. & CHURCH	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307004	PARK PL. & GREENWICH	AMBIENT	40	600	0.008	<LOQ	
10/02/01	302/002	LIBERTY PL. & THAMES ST.	AMBIENT	45	675		0.016	
BATTERY PARK SAMPLES								
NORTH END								
10/02/01	1102RTK307007	RIVER TERRACE & PARK PLACE	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307006	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
10/02/01	302/004	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
10/02/01	302/006	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-001	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/02/01	LAB3-003	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
10/02/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
10/02/01	LAB3-006	W. THAMES ST ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525	0.008	<LOQ	
10/02/01	302/003	WEST ST & ALBANY	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

BAHM LABORATORY UNIT

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DATE: 10/01/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (structs/mm2)
09/30/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.011	
09/30/01	10930A307/005	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.076	
09/30/01	10930A307/001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.0[illegible]	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/30/01	10930A307/007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/30/01	10930A307/006	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
09/30/01	10930A307/003	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	30	450	0.011	<LOQ	
09/30/01	10930A307/002	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/30/01	LAB3/001	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/30/01	LAB3/003	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.031	
09/30/01	LAB3/004	RECTOR PL BY THE PARK	AMBIENT	35	525		0.020	
09/30/01	LAB3/006	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.009	
09/30/01	LAB3/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	
09/30/01	10930A307/004	WEST ST & ALBANY	AMBIENT	35	525		0.022	
09/30/01	LAB3/002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
10/01/01	302/003	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/004	MURRAY & CHURCH ST.	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/001	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/002	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.0[illegible]5	
10/01/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.015	
10/01/01	1101A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
10/01/01	1101/RTKA30700[illegible]	RIVER TERRACE & PARK PL WEST	AMBIENT	45	600	0.008	<LOQ	
10/01/01	1101/RTKA30700[illegible]	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA30700[illegible]	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA30700[illegible]	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA307001	WARREN ST & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
10/01/01	LAB3-006	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/01/01	LAB3-002	SOUTH END AVE & ALBANY ST	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-003	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-001	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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DATE: 10/01/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Min)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./sqmm)
10/01/01	1101/RTKA30700(	WEST ST & ALBANY	AMBIENT	40	600		0.012	
10/01/01	LAB3-005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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TOTAL P.02

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DATE: 10/01/01

OCT-01-2001 20:31 BRANCH LABORATORY UNIT P.01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Min)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (structs/mm2)
09/30/01	302/005	FULTON ST & CHURCH ST	AMBIENT	35	525		0.011	
09/30/01	10930A307/005	TRINITY PL & THAMES ST	AMBIENT	45	675		0.076	
09/30/01	10930A307/001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
[illegible]	[illegible]	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.009	<LOQ	
[illegible]	[illegible]	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
09/30/01	[illegible]	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	30	450	0.011	<LOQ	
09/30/01	[illegible]	WEST ST & WARREN ST	AMBIENT	35	525	0.009	<LOQ	
09/30/01	LAB3-010	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/30/01	LAB3/001	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.031	
09/30/01	LAB3/004	RECTOR PL BY THE PARK	AMBIENT	35	525		0.020	
09/30/01	LAB3/006	W THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.009	
09/30/01	LAB3/005	WEST OF THIRD PL (SOUTH COVE APARTMENTS)	AMBIENT	35	525		0.015	
09/30/01	10930A307/004	WEST ST & ALBANY	AMBIENT	35	525		0.022	
09/30/01	LAB3/002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
10/01/01	302/003	PARK PL & CHURCH	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/004	MURRAY & CHURCH ST	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/001	PARK PL & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/002	MURRAY & GREENWICH ST	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/005	FULTON & CHURCH ST	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/006	TRINITY PL & THAMES ST	AMBIENT	35	525		0.035	
10/01/01	1101A307/001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.015	
BATTERY PARK SAMPLES			AMBIENT	45	675	0.007	<LOQ	
NORTH END								
10/01/01	1101/RTKA307005	RIVER TERRACE & PARK PL WEST	AMBIENT	45	600	0.008	<LOQ	
10/01/01	1101/RTKA307003	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA307004	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA307001	WARREN ST & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
10/01/01	LAB3-006	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/01/01	LAB3-002	SOUTH END AVE & ALBANY ST	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-003	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-001	W THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE APARTMENTS)	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1 PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2 TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
10/01/01	1101/RTKA30700(	WEST ST & ALBANY	AMBIENT	40	600		0.012	
10/01/01	LAB3-005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0 009	<LOQ	

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TOTAL P.02

IETHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2 TEM . EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148358

NYC 9/11 Public Portal Document

DATE: 10/02/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
PERIMETER SAMPLES								
09/12/01	10912/A207001	GREENWICH & CHAMBERS ST.	AMBIENT	95	950		0.080	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS ST.	AMBIENT	90	900		0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950		0.040	157.48
09/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500		0.010	44.99
09/12/01	10912/A207005	W.BROADWAY & WORTH ST	AMBIENT	35	350		0.010	11.25
PERIMETER SAMPLES								
09/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.220	overload
09/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.100	overload
09/13/01	10913/A207003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450	0.01	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR ST.	AMBIENT	30	450	0.01	<LOQ	
PERIMETER SAMPLES								
09/14/01	10914/A003001	MURRAY & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH ST.	AMBIENT	40	600		0.007	
09/14/01	10914/A003007	MURRAY & GREENWICH ST.	AMBIENT	50	750	0.006	<LOQ	
09/14/01	10914/A003003	LIBERTY & CHURCH ST.	AMBIENT	40	600		0.020	14.32
09/14/01	10914/A003004	CEDAR & TRINTY PL	AMBIENT	39	585		0.027	overload
09/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	
09/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450	0.01	<LOQ	
HOT ZONE SAMPLES								
09/14/01	10914/A003005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION	AMBIENT	50	750	0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH ST.- APPROX. 50 FT. FROM EXPLOSION	AMBIENT	35	525		0.009	<6.56
DEP FACILITY								
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	
PERIMETER SAMPLES								
09/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.022	120.18
09/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600		0.034	overload
09/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.031	overload
09/15/01	LAB1#2	LIBERTY & BROADWAY	AMBIENT	50	750		0.008	overload
09/15/01	LAB3#3	CEDAR & BROADWAY	AMBIENT	30	450		0.033	overload
09/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450		0.045	overload
09/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750		0.024	overload
09/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.035	131.23
HOT ZONE SAMPLES								
09/15/01	LAB3#1	GREENWICH & PARK PL	AMBIENT	30	450		0.076	overload

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148359

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST.	AMBIENT	40	450		0.035	overload
PERIMETER SAMPLES								
09/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450		0.030	78.74
09/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600		0.030	overload
09/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.013	78.74
09/16/01	10916/A307001	LIBERTY ST. & BROADWAY	AMBIENT	35	525		0.010	overload
09/16/01	10916/A307002	CEDAR ST. & BROADWAY	AMBIENT	40	600		0.030	overload
09/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.050	overload
09/16/01	302/003	FULTON BET WEEN CHURCH & BROADWAY	AMBIENT	40	600		0.030	121.69
HOT ZONE SAMPLES								
09/16/01	LAB1#2	WASHINGTON & PARK PL	AMBIENT	30	450		0.038	102.36
09/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY	AMBIENT	40	600		0.024	overload
INDOOR SAMPLES								
09/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800		0.022	overload
09/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800		0.011	39.37
PERIMETER SAMPLES								
09/17/01	LAB1#1	MURRAY & CHURCH ST.	AMBIENT	45	675		0.013	43.74
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.017	overload
09/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.012	61.24
09/17/01	10917/A307001	LIBERTY ST. & BROADWAY	AMBIENT	30	450		0.062	overload
HPD BUILDING								
09/17/01	LAB3#1	100 GOLD STREET - LOBBY	AMBIENT	60	900		0.006	22.50
09/17/01	LAB3#2	100 GOLD STREET - 9th FL	AMBIENT	60	900		0.006	<11.25
BATTERY PARK CITY								
09/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800		0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 14th FL.	INDOOR	120	1800	0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350	0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	INDOOR	90	1350		0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800		0.014	19.69
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800		0.007	<19.69
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	
PERIMETER SAMPLES								
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.018	110.24
09/18/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.027	overload
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		0.010	<7.87
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.021	overload

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.008	52.49
09/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600		0.034	157.48
INDOOR SAMPLES								
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	INDOOR	90	1350		0.044	overload
09/18/01	302/002	225 RECTOR PL - LOBBY	INDOOR	90	1350		0.030	Insuff. Materials
PERIMETER SAMPLES								
09/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.014	122.48
09/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.020	overload
09/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675		0.012	6.75
09/19/01	LAB 3 #5	NORTH END AVE & VESEY ST.	AMBIENT	30	450		0.010	overload
09/19/01	LAB 3 #2	WEST ST & WARREN ST.	AMBIENT	30	450		0.030	149.61
09/19/01	10919/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.050	<8.75
09/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675		0.012	17.50
SOUTH END								
09/19/01	10919/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.013	overload
09/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
09/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.050	overload
09/19/01	LAB 3 #4	GATEWAY PLAZA PARK AREA	AMBIENT	30	450		0.010	31.50
PERIMETER SAMPLES								
09/20/01	10920/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	LAB3 #1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	10920/A307001	WARREN ST. & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/002	CEDAR & CHURCH STREETS	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/20/01	302/005	RIVER TERRACE AND PARK PLACE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	302/006	RIVER TERRACE AND CHAMBERS ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #4	WARREN ST. & NORTH END AVE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/20/01	10920/A307002	NORTH END AVENUE & PARK PL	AMBIENT	45	675	0.007	<LOQ	
09/20/01	10920/A307003	RIVER TERRACE AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/20/01	10920/A307004	SOUTH END AVENUE AND ALBANY ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	10920/A307005	RECTOR PLACE - AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/003	WEST THAMES STREET	AMBIENT	35	525	0.009	<LOQ	
09/20/01	302/004	THIRD PLACE & BATTERY PL.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #2	SOUTH END AVE. & THAMES ST.	AMBIENT	30	450	0.01	0.010	15.75
09/20/01	LAB3 #3	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/21/01	10921A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	<7.87
09/21/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/21/01	10921A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/21/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450		0.020	55.12
09/21/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	35	525		0.010	78.74
09/21/01	10921/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	10921/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/21/01	10921/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	10921/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/21/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.009	78.74
09/21/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450		<0.011	
09/21/01	LAB 3 #3	GATEWAY PLAZA PARK AREA	AMBIENT	34	510		0.014	overload
PERIMETER SAMPLES								
09/22/01	10922A040001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.010	<7.87
09/22/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	
09/22/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		<0.01	
09/22/01	10922A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.009	<8.75
NORTH END								
09/22/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	<0.007	<LOQ	
09/22/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600		0.009	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/22/01	LAB3 #3	WARREN & RIVER TERRACE PARK AREA	AMBIENT	30	450	0.01	<0.01	
09/22/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<0.01	
09/22/01	10922/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/22/01	10922/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/22/01	10922/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/22/01	10922/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/22/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
09/22/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<0.008	
09/22/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	40	600		0.010	23.62
09/22/01	LAB 3 #5	GATEWAY PLAZA PARK AREA	AMBIENT	35	525		0.010	6.67
ST. JOHN'S UNIVERSITY								
09/22/01	10922A003001	101 MURRAY (LOBBY AREA - CAFETERIA)	INDOOR	120	1800		0.003	
09/22/01	10922A003002	101 MURRAY(2ND FLOOR BY ROOM 214)	INDOOR	120	1800	0.003	<0.003	
09/22/01	LAB3#6	101 MURRAY (6TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
09/22/01	LAB3#7	101 MURRAY (10TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
PERIMETER SAMPLES								
09/23/01	10923A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/23/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.026	overload
09/23/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/23/01	10923/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923A040002	PARK PL. & CHURCH	AMBIENT	45	675		0.010	<8.00
09/23/01	302/006	PARK PL. & GREENWICH	AMBIENT	40	600		0.014	7.27
09/23/01	10923A307004	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.013	overload
BATTERY PARK SAMPLES								
NORTH END								
09/23/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB3 #3	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
09/23/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.008	<LOQ	
09/23/01	10923/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/23/01	10923/A307006	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.029	61.24
09/23/01	302/002	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/003	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/23/01	LAB 3 #5	GATEWAY PLAZA PARK AREA	AMBIENT	30	450	0.002	<LOQ	
PERIMETER SAMPLES								
09/24/01	10924A207001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.017	35.00
09/24/01	10924A040001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.009	
09/24/01	10924A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.007	
09/24/01	302/001	PARK PL. & GREENWICH	AMBIENT	40	600		0.012	<8.75
BATTERY PARK SAMPLES								
NORTH END								
09/24/01	302/002	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/003	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924A040003	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675		0.007	
09/24/01	10924A040002	WEST ST & WARREN ST.	AMBIENT	45	675		0.009	
09/24/01	10924/A307005	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.012	8.75
09/24/01	10924/A307004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/24/01	10924/A307002	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.010	<8.75
09/24/01	10924A307003	RECTOR PL BY THE PARK	AMBIENT	45	675		0.039	131.23
09/24/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924/A040004	WEST ST & ALBANY	AMBIENT	45	675		0.010	78.74
09/24/01	10924A040005	GATEWAY PLAZA PARK AREA	AMBIENT	30	450	0.011	<0.011	
PERIMETER SAMPLES								
09/25/01	10925A307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307003	WARREN ST & NORTH END AVENUE	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.009	
09/25/01	302/002	PARK PL. & GREENWICH	AMBIENT	40	600		0.009	
09/25/01	10925A003001	TRINITY PL. & THAMES ST.	AMBIENT	40	600	0.008	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/25/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/006	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307005	WEST ST & WARREN ST.	AMBIENT	45	675		0.012	8.00
09/25/01	10925A307004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/25/01	10925A307006	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/25/01	302/009	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/010	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/007	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/008	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A003002	WEST ST & ALBANY	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A003003	GATEWAY PLAZA PARK AREA	AMBIENT	40	600		0.008	
PERIMETER SAMPLES								
09/26/01	302/004	MURRAY & CHURCH ST.	AMBIENT	45	675		0.010	<8.00
09/26/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.078	<6.67
09/26/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.008	
09/26/01	10926A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
09/26/01	302/002	PARK PL. & CHURCH	AMBIENT	45	675		0.008	
09/26/01	302/001	PARK PL. & GREENWICH	AMBIENT	45	675		0.011	<8.00
09/26/01	10926A307004	TRINITY PL. & THAMES ST.	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307009	VESEY & WEST ST.	AMBIENT	45	675		0.011	16.00
BATTERY PARK SAMPLES								
NORTH END								
09/26/01	302/008	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302009	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525		0.017	<6.67
09/26/01	302/010	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307002	NORTH END AVE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/26/01	10926A307003	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/26/01	10926A307006	SOUTH END AVE & ALBANY ST	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307008	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/007	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307007	WEST ST & ALBANY	AMBIENT	35	525		0.014	20.00
09/26/01	10926A307005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525		0.023	13.33
PERIMETER SAMPLES								
09/27/01	302/001	PARK PL. & CHURCH	AMBIENT	35	525		0.050	
09/27/01	302/002	MURRAY & CHURCH ST.	AMBIENT	40	600		0.016	
09/27/01	302/003	PARK PL. & GREENWICH	AMBIENT	35	525		0.014	
09/27/01	302/004	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/27/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.010	
09/27/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/007	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
09/27/01	10927A207002	VESEY & WEST ST.	AMBIENT	35	525		0.018	60.00
09/27/01	10927A207003	VESEY & WEST ST.	AMBIENT	35	525		0.016	60.00
BATTERY PARK SAMPLES								
NORTH END								
09/27/01	302/008	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/009	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525		0.014	
09/27/01	302/010	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525		0.009	
09/27/01	302/012	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/013	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/27/01	LAB3-001	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
09/27/01	LAB3-002	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/27/01	LAB3-003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/27/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
09/27/01	LAB3-005	WEST ST & ALBANY	AMBIENT	45	675	0.007	<LOQ	
09/27/01	LAB3-006	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/28/01	10928A307001	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307004	MURRAY & CHURCH ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307002	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307003	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.059	
09/28/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.036	
09/28/01	10928A307005	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/28/01	10928A307007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307006	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307009	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/28/01	10928A307008	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148366

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/28/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.012	
09/28/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
09/28/01	LAB3-001	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
09/28/01	LAB3-002	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/28/01	302/003	WEST ST AVE & ALBANY	AMBIENT	35	525		0.020	
09/28/01	LAB3-006	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/005	REAR COURTYARD GATEWAY PLAZA	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/006	PROMENADE IN FRONT OF STEAMER LANDING	AMBIENT	35	525	0.009	<LOQ	
09/28/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/29/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525		0.020	16.00
09/29/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.041	40.00
09/29/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.015	<8.00
09/29/01	302/007	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.058	
09/29/01	LAB-006	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/29/01	10929A003003	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.007	<LOQ	
09/29/01	10929A003001	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/29/01	10929A003002	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
09/29/01	302/008	WEST ST & WARREN ST.	AMBIENT	35	525	0.008	<LOQ	
09/29/01	10929A003004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/29/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.020	6.67
09/29/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/29/01	LAB3-002	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.013	<6.67
09/29/01	LAB3-001	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	<6.67
09/29/01	302/006	WEST ST & ALBANY	AMBIENT	35	525		0.082	80.00
09/29/01	LAB3-007	GATEWAY PLAZA PARK AREA	AMBIENT	45	675		0.020	
09/29/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
09/30/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525		0.024	
09/30/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.042	
09/30/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/30/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYC-WTC_000148367

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/30/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.011	
09/30/01	10930A307/005	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.076	
09/30/01	10930A307/001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/30/01	10930A307/007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/30/01	10930A307/006	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
09/30/01	10930A307/003	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	30	450	0.011	<LOQ	
09/30/01	10930A307/002	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/30/01	LAB3/001	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/30/01	LAB3/003	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.031	
09/30/01	LAB3/004	RECTOR PL BY THE PARK	AMBIENT	35	525		0.020	
09/30/01	LAB3/006	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.009	
09/30/01	LAB3/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	
09/30/01	10930A307/004	WEST ST & ALBANY	AMBIENT	35	525		0.022	
09/30/01	LAB3/002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
10/01/01	302/003	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/004	MURRAY & CHURCH ST.	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/001	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/002	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.035	
10/01/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.015	
10/01/01	1101A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
10/01/01	1101/RTKA30700	RIVER TERRACE & PARK PL WEST	AMBIENT	45	600	0.008	<LOQ	
10/01/01	1101/RTKA30700	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA30700	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA30700	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA30700	WARREN ST & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
10/01/01	LAB3-006	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/01/01	LAB3-002	SOUTH END AVE & ALBANY ST	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-003	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-001	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
10/01/01	1101/RTKA30700(	WEST ST & ALBANY	AMBIENT	40	600		0.012	
10/01/01	LAB3-005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
10/02/01	1102RTK307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
10/02/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.019	
10/02/01	1102RTK307003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
10/02/01	302/005	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
10/02/01	1102RTK307001	PARK PL. & CHURCH	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307004	PARK PL. & GREENWICH	AMBIENT	40	600	0.008	<LOQ	
10/02/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.016	
BATTERY PARK SAMPLES								
NORTH END								
10/02/01	1102RTK307007	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307006	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
10/02/01	302/004	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
10/02/01	302/006	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-001	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/02/01	LAB3-003	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
10/02/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
10/02/01	LAB3-006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525	0.008	<LOQ	
10/02/01	302/003	WEST ST & ALBANY	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/30/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.011	
09/30/01	10930A307/005	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.076	
09/30/01	10930A307/001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/30/01	10930A307/007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/30/01	10930A307/006	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
09/30/01	10930A307/003	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	30	450	0.011	<LOQ	
09/30/01	10930A307/002	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/30/01	LAB3/001	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/30/01	LAB3/003	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.021	
09/30/01	LAB3/004	RECTOR PL BY THE PARK	AMBIENT	35	525		0.020	
09/30/01	LAB3/006	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.009	
09/30/01	LAB3/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	
09/30/01	10930A307/004	WEST ST & ALBANY	AMBIENT	35	525		0.022	
09/30/01	LAB3/002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
10/01/01	302/003	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/004	MURRAY & CHURCH ST.	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/001	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/002	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.035	
10/01/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.015	
10/01/01	1101A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
10/01/01	1101/RTKA30700	RIVER TERRACE & PARK PL WEST	AMBIENT	45	600	0.008	<LOQ	
10/01/01	1101/RTKA30700	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA30700	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA30700	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA307001	WARREN ST & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
10/01/01	LAB3-006	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/01/01	LAB3-002	SOUTH END AVE & ALBANY ST	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-003	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-001	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc PCM (f/cc)	Asbestos Conc TEM (struc./sqmm2)
10/01/01	1101/RTKA30700(	WEST ST & ALBANY	AMBIENT	40	600		0.012	
10/01/01	LAB3-005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	

IETHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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DATE: 09/30/01

P.01/02

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WORLD TRADE CENTER AIR MONITORING TABLE

ite mpled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volun.. (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
/28/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.012	
/28/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
/28/01	LAB3-001	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
/28/01	LAB3-002	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
/28/01	302/003	WEST ST AVE & ALBANY	AMBIENT	35	525		0.020	
/28/01	LAB3-006	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.309	<LOQ	
/28/01	302/005	REAR COURTYARD GATEWAY PLAZA	AMBIENT	35	525	0.009	<LOQ	
/28/01	302/006	PROMENADE IN FRONT OF STEAMER LANDING	AMBIENT	35	525	0.009	<LOQ	
/28/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	35	525	0.009	<LOQ	
ERIMETER SAMPLES								
/29/01	302/004	PA. K PL. & CHURCH	AMBIENT	35	525		0.020	16.00
/29/01	302/003	MU. RAY & CHURCH ST.	AMBIENT	35	525		0.041	40.00
/29/01	302/002	PAR.. PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
/29/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
9/29/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.015	<8.00
9/29/01	302/007	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.058	
9/29/01	LAB-006	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
9/29/01	10929A003003	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.007	<LOQ	
9/29/01	10929A003001	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
9/29/01	10929A003002	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
9/29/01	302/008	WEST ST & WARREN ST.	AMBIENT	35	525	0.008	<LOQ	
9/29/01	10929A003004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/29/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.020	
9/29/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
9/29/01	LAB3-002	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.013	
9/29/01	LAB3-001	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	
9/29/01	302/006	WEST ST & ALBANY	AMBIENT	35	525		0.082	80.00
9/29/01	LAB3-007	GATEWAY PLAZA PARK AREA	AMBIENT	45	675		0.020	
9/29/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
09/30/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525		0.024	
09/30/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.042	
09/30/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/30/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148372

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/30/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.011	
9/30/01	10930A307/005	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.076	
9/30/01	10930A307/001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
9/30/01	10930A307/007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
9/30/01	10930A307/006	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
9/30/01	10930A307/003	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	30	450	0.011	<LOQ	
9/30/01	10930A307/002	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
9/30/01	LAB3/001	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
9/30/01	LAB3/003	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.031	
9/30/01	LAB3/004	RECTOR PL BY THE PARK	AMBIENT	35	525		0.020	
9/30/01	LAB3/006	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.009	
9/30/01	LAB3/005	WEST OF THRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	
9/30/01	10930A307/004	WEST ST & ALBANY	AMBIENT	35	525		0.022	
9/30/01	LAB3/002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	

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SEP-30-2001 19:42

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYC-WTC_000148373

NYC 9/11 Public Portal Document

DATE: 09/30/01

SEP-30-2001 15:41 P.01/02

WORLD TRADE CENTER AIR MONITORING TABLE

ite mpled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc PCM (f/cc)	Fiber Conc TEM (struc./mm2)
/28/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.012	
/28/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
/28/01	LAB3-001	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
/28/01	LAB3-002	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
/28/01	302/003	WEST ST AVE & ALBANY	AMBIENT	35	525		0.020	
/28/	LAB3-006	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
/28/	302/005	REAR COURTYARD GATEWAY PLAZA	AMBIENT	35	525	0.009	<LOQ	
/28/01	006	PROMENADE IN FRONT OF STEAMER LANDING	AMBIENT	35	525	0.009	<LOQ	
/28/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
/29/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525		0.020	16.00
/29/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.041	40.00
/29/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
/29/01	302/001	MURRAY & GREENWICH ST	AMBIENT	35	525	0.009	<LOQ	
/29/01	302/005	HILTON & CHURCH ST.	AMBIENT	35	525		0.015	
/29/01	302/007	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.058	
/29/01	006	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
RIVER TERRACE PARK SAMPLES								
	010929A003003	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.007	<LOQ	
	003001	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
	003002	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
/29/01		WEST ST & WARREN ST	AMBIENT	35	525	0.008	<LOQ	
/29/01	010929A003004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
/29/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.020	
/29/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
/29/01	LAB3-002	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.013	
/29/01	LAB3-001	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	
/29/01	302/006	WEST ST & ALBANY	AMBIENT	35	525		0.082	80.00
/29/01	LAB3-007	GATEWAY PLAZA PARK AREA	AMBIENT	45	675		0.020	
/29/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
09/30/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525		0.024	
09/30/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.042	
09/30/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/30/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING DATABASE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/30/01	302/005	FULTON & CHURCH ST	AMBIENT	35	525		0.011	
9/30/01	10930A307/005	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.076	
9/30/01	10930A307/001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
9/30/01	10930A307/007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
9/30/01	10930A307/006	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
9/30/01	10930A307/003	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	30	450	0.011	<LOQ	
9/30/01	10930A307/002	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
9/30/01	LAB3A001	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
9/30/01	LAB3/003	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.031	
9/30/01	LAB3/004	RECTOR PL BY THE PARK	AMBIENT	35	525		0.020	
9/30/01	LAB3/006	W THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.009	
9/30/01	LAB3/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	
9/30/01	10930A307/004	WEST ST & ALBANY	AMBIENT	35	525		0.022	
9/30/01	LAB3/002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	

BATTERY LOCATION

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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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DATE: 09/29/01

P.01

TOTAL P.01

BHNH LABORATORY UNIT

SEP-29-2001 21:31

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/28/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.012	
09/28/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
09/28/01	LAB3-001	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
09/28/01	LAB3-002	WEST OF THIRD PL. (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/28/01	302/003	WEST ST AVE & ALBANY	AMBIENT	35	525		0.020	
09/29/01	LAB3-006	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/005	REAR COURTYARD GATEWAY PLAZA	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/006	PROMENADE IN FRONT OF STEAMER LANDING	AMBIENT	35	525	0.009	<LOQ	
09/28/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/29/01	302/004	PARK PL & CHURCH	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.041	
09/29/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525		<LOQ	
09/29/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.015	
09/29/01	302/007	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.058	
09/29/01	LAB-006	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/29/01	10929A003003	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.007	<LOQ	
09/29/01	10929A003001	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/29/01	10929A003002	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
09/29/01	402/008	WEST ST & WARREN ST.	AMBIENT	35	525	0.008	<LOQ	
09/29/01	10929A003004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/29/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.020	
09/29/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/29/01	LAB3-002	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.013	
09/29/01	LAB3-001	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	
09/29/01	302/006	WEST ST & ALBANY	AMBIENT	35	525		0.082	
09/29/01	LAB3-007	GATEWAY PLAZA PARK AREA	AMBIENT	45	675		0.020	
09/29/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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DATE: 09/29/01

TOTAL P.01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/28/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.012	
09/28/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
09/28/01	LAB3-001	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
09/28/01	LAB3-002	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/28/01	302/003	WEST ST AVE & ALBANY	AMBIENT	35	525		0.020	
09/28/01	LAB3-006	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/005	REAR COURTYARD GATEWAY PLAZA	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/006	PROMENADE IN FRONT OF STEAMER LANDING	AMBIENT	35	525	0.009	<LOQ	
09/28/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/29/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.041	
09/29/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.015	
09/29/01	302/007	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.058	
09/29/01	LAB-006	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/29/01	10929A003003	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.007	<LOQ	
09/29/01	10929A003001	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/29/01	10929A003002	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
09/29/01	302/008	WEST ST & WARREN ST.	AMBIENT	35	525	0.008	<LOQ	
09/29/01	10929A003004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/29/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.020	
09/29/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/29/01	LAB3-002	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.013	
09/29/01	LAB3-001	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	
09/29/01	302/006	WEST ST & ALBANY	AMBIENT	35	525		0.082	
09/29/01	LAB3-007	GATEWAY PLAZA PARK AREA	AMBIENT	45	675		0.020	
09/29/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	40	600	0.008	<LOQ	

BANHM LABORATORY UNIT SEP-29-2001 21:21

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148377

NYC 9/11 Public Portal Document

DATE: 09/28/01

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BANHM LABORATORY UNIT

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/27/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.010	
9/27/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	35	525	0.009	<LOQ	
9/27/01	302/007	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
9/27/01	10927A207002	VESEY & WEST ST.	AMBIENT	35	525		0.018	
9/27/01	10927A207003	VESEY & WEST ST.	AMBIENT	35	525		0.016	
BATTERY PARK SAMPLES								
NORTH END								
9/27/01	302/008	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
9/27/01	302/009	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525		0.014	
9/27/01	302/010	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
9/27/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525		0.009	
9/27/01	302/012	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
9/27/01	302/013	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
9/27/01	LAB3-001	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
9/27/01	LAB3-002	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
9/27/01	LAB3-003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
9/27/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
9/27/01	LAB3-005	WEST ST & ALBANY	AMBIENT	45	675	0.007	<LOQ	
9/27/01	LAB3-006	GATEWAY PLAZA PARK AVE	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/28/01	10928A307001	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307002	MURRAY & CHURCH ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307003	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307004	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.059	
09/28/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.036	
09/28/01	10928A307005	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/28/01	10928A307007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307006	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307009	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/28/01	10928A307008	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_00014837B P.03

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (s/sq.cm/mm2)
9/28/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.012	
9/28/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
9/28/01	LAB3-001	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
9/28/01	LAB3-002	WEST OF THIRD PI. (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
9/28/01	302/003	WEST ST AVE & ALBANY	AMBIENT	35	525		0.020	
9/28/01	LAB3-006	GATEWAY PLAZA PARK AVE	AMBIENT	35	525	0.009	<LOQ	
9/28/01	302/005	REAR COURTYARD GATEWAY PLAZA	AMBIENT	35	525	0.009	<LOQ	
9/28/01	302/006	PROMENADE IN FRONT OF STEAMER LANDING	AMBIENT	35	525	0.009	<LOQ	
9/28/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	35	525	0.009	<LOQ	

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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

TOTAL P.03

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DEP

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Compliance
Laboratory Unit
96-05 HORACE HARDING EXPRESSWAY
CORONA, N.Y. 11368
718- 595- 6309
FAX: 718- 595- 6307

To: Mike Gilsenan **Date:** 9/28/01

Fax #: 4544 **No. of Pages:** 3 **(including cover page)**

From: Asbestos Lab

Subject:

COMMENTS:

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DEP

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Compliance
Laboratory Unit
59-17 JUNCTION BOULEVARD, 11TH FLOOR
CORONA, NY 11368
TEL: (718) 595-4545
FAX: (718) 595-4479

To: Mrs. Gibbons Date: 9/28/01

Fax #: 4344 Number of pages: 3 (including cover page)

From: Asbestos Lab.

Subject:

COMMENTS:

NYC-WTC_000148380

NYC-WTC_000148381

NYC 9/11 Public Portal Document

DATE: 09/28/01

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (s/cc, /mm2)
9/27/01	302/005	FULTON & CHURCH ST	AMBIENT	35	525		0.010	
9/27/01	302/006	TRINITY PL & THAMES ST	AMBIENT	35	525	0.009	<LOQ	
9/27/01	302/007	WARREN ST & NORTH END AVENUE	AMBIENT	[illegible]	[illegible]	[illegible]	<LOQ	
9/27/01	10927A207002	VESEY & WEST ST	AMBIENT		[illegible]		[illegible]	
9/27/01	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	
BATTERY PARK [illegible]								
NORTH END								
9/27/01	[illegible]	[illegible] PARK PL WEST	AMBIENT	[illegible]	[illegible]	[illegible]	<LOQ	
9/27/01	[illegible]	[illegible] & CHAMBERS ST	AMBIENT	35	525		0.014	
09/27/01	302/010	RIVER TERRACE PARK AREA BETWEEN PARK PL & WARREN	AMBIENT	35	525	[illegible]9	<LOQ	
09/27/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525		0.009	
09/27/01	302/012	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/013	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/27/01	LAB3-001	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
09/27/01	LAB3-002	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/27/01	LAB3-003	W THAMES ST ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/27/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE PARK AREA)	AMBIENT	45	675	0.007	<LOQ	
09/27/01	LAB3-005	WEST ST & ALBANY	AMBIENT	45	675	0.007	<LOQ	
09/27/01	LAB3-006	GATEWAY PLAZA PARK AVE	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/28/01	10928A307001	PARK PL & CHURCH	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307002	MURRAY & CHURCH ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307003	PARK PL & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307004	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.059	
09/28/01	302/002	TRINITY PL & THAMES ST	AMBIENT	35	525		0.036	
09/28/01	10928A307005	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/28/01	10928A307007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307006	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307009	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/28/01	10928A307008	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								

EMSL LABORATORY, UNIT
SEP-28-2001 22:36

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148382

NYC 9/11 Public Portal Document

DATE: 09/28/01

WORLD TRADE CENTER ASBESTOS STUDY

Date Sampled	Sample ID	Location Sampled	Sample Type	Location Sampled (Room)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (structs/mm2)
9/28/01	LAB3-005	SOUTH END AVE & ALBANY ST	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
9/28/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
9/28/01	LAB3-001	W. THAMES ST ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
9/28/01	LAB3-002	WEST OF 7TH AVE (SOUTH COVE APARTMENTS)	AMBIENT	40	600	0.008	<LOQ	
9/28/01	302/003	WEST ST & [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
9/28/01	LAB3-008	GATEWAY PL & [illegible] AVE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
9/28/01	302/005	REAR COURT [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
9/28/01	302/006	PROMENADE IN FRONT OF [illegible]	AMBIENT	[illegible]	[illegible]	0.009	<LOQ	
9/28/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	35	525	0.009	<LOQ	

SEP-28-2001 22:57 BRUNO LABORATORY UNIT P.05

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_00014838

NYC 9/11 Public Portal Document

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/23/01	LAB 3 #5	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.002	<LOQ	
PERIMETER SAMPLES								
09/24/01	10924A207001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.017	
09/24/01	10924A040001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.009	
09/24/01	10924A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.007	
09/24/01	302/001	PARK PL. & GREENWICH	AMBIENT	40	600		0.012	
BATTERY PARK SAMPLES								
NORTH END								
09/24/01	302/002	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/003	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924A040003	RIVER TERRACE PARK & WARREN ST.	AMBIENT	45	675		0.007	
09/24/01	10924A040002	WEST ST & WARREN ST.	AMBIENT	45	675		0.009	
09/24/01	10924/A307005	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.012	
09/24/01	10924/A307004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/24/01	10924/A307002	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.010	
09/24/01	10924A307003	RECTOR PL BY THE PARK	AMBIENT	45	675		0.039	
09/24/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924/A040004	WEST ST & ALBANY	AMBIENT	45	675		0.010	
09/24/01	10924A040005	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.011	<0.011	
PERIMETER SAMPLES								
09/25/01	10925A307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307003	WARREN ST & NORTH END AVENUE	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A307002	PARK PL. & CHURCH	AMBIENT	45	675		0.009	
09/25/01	302/002	PARK PL. & GREENWICH	AMBIENT	40	600		0.009	
09/25/01	10925A003001	TRINITY PL. & THAMES ST.	AMBIENT	40	600	0.008	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/25/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/006	RIVER TERRACE PARK AREA	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307005	WEST ST & WARREN ST.	AMBIENT	45	675		0.012	
09/25/01	10925A307004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148384

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/25/01	10925A307006	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/25/01	302/009	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/010	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/007	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/008	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A003002	WEST ST & ALBANY	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A003003	GATEWAY PLAZA PARK AVE	AMBIENT	40	600		0.008	
PERIMETER SAMPLES								
09/26/01	302/004	MURRAY & CHURCH ST.	AMBIENT	45	675		0.010	
09/26/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.078	
09/26/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.008	
09/26/01	10926A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
09/26/01	302/002	PARK PL. & CHURCH	AMBIENT	45	675		0.008	
09/26/01	302/001	PARK PL. & GREENWICH	AMBIENT	45	675		0.008	
09/26/01	10926A307004	TRINITY PL. & THAMES ST.	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/26/01	302/008	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302009	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525		0.017	
09/26/01	302/010	RIVER TERRACE PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307002	NORTH END AVE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/26/01	10926A307003	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/26/01	10926A307006	SOUTH END AVE & ALBANY ST	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307008	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/007	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307007	WEST ST & ALBANY	AMBIENT	35	525		0.014	
09/26/01	10926A307005	GATEWAY PLAZA PARK AVE	AMBIENT	35	525		0.023	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148385

DATE: 09/27/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/23/01	LAB 3 #5	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.002	<LOQ	
PERIMETER SAMPLES								
09/24/01	10924A207001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.017	
09/24/01	10924A040001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.009	
09/24/01	10924A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.007	
09/24/01	302/001	PARK PL. & GREENWICH	AMBIENT	40	600		0.012	
BATTERY PARK SAMPLES								
NORTH END								
09/24/01	302/002	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/003	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924A040003	RIVER TERRACE PARK & WARREN ST.	AMBIENT	45	675		0.007	
09/24/01	10924A040002	WEST ST & WARREN ST.	AMBIENT	45	675		0.009	
09/24/01	10924/A307005	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.012	
09/24/01	10924/A307004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/24/01	10924/A307002	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.010	
09/24/01	10924A307003	RECTOR PL BY THE PARK	AMBIENT	45	675		0.039	
09/24/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924/A040004	WEST ST & ALBANY	AMBIENT	45	675		0.010	
09/24/01	10924A040005	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.01.	<0.011	
PERIMETER SAMPLES								
09/25/01	10925A307002	MURRAY & CHURCH ST. — 12	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/001	FULTON & CHURCH ST.— [redacted]	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/003	MURRAY & GREENWICH ST. — 11	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307003	WARREN ST & NORTH END AVENUE — 7	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A307002	PARK PL. & CHURCH — 16A	AMBIENT	45	675		0.009	
09/25/01	302/002	PARK PL. & GREENWICH — 16	AMBIENT	40	600		0.009	
09/25/01	10925A003001	TRINITY PL. & THAMES ST. —— No #	AMBIENT	40	600	0.008	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/25/01	302/004	RIVER TERRACE & PARK PL WEST — 9	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/005	RIVER TERRACE & CHAMBERS ST — 4	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/006	RIVER TERRACE PARK AREA —— 6A ?	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307005	WEST ST & WARREN ST. — 8	AMBIENT	45	675		0.012	
09/25/01	10925A307004	NORTH END AVE & PARK PL WEST — 10	AMBIENT	45	675	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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DATE: 09/27/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/25/01	10925A307006	RIVER TERRACE & VESEY ST – 17	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/25/01	302/009	SOUTH END AVE & ALBANY ST – 31	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/010	RECTOR PL BY THE PARK – 33A	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/007	W. THAMES ST - ALONG WATERFRONT – 34	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/008	WEST OF THIRD PL (SOUTH COVE APARTMENT) – 37	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A003002	WEST ST & ALBANY – 32	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A003003	GATEWAY PLAZA PARK AVE – 27	AMBIENT	40	600		0.008	
PERIMETER SAMPLES								
09/26/01	302/004	MURRAY & CHURCH ST. – 12 X	AMBIENT	45	675		0.010	?
09/26/01	302/005	FULTON & CHURCH ST. ——→ 21	AMBIENT	35	525		0.078	
09/26/01	302/003	MURRAY & GREENWICH ST.– 11 X	AMBIENT	45	675		0.008	
09/26/01	10926A307001	WARREN ST & NORTH END AVENUE – 7	AMBIENT	45	675	0.007	<LOQ	
09/26/01	302/002	PARK PL. & CHURCH – 16	AMBIENT	45	675		0.008	
09/26/01	302/001	PARK PL. & GREENWICH – 15 X	AMBIENT	45	675		0.008	
09/26/01	10926A307004	TRINITY PL. & THAMES ST. — NO #	AMBIENT	35	525	0.0	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/26/01	302/008	RIVER TERRACE & PARK PL WEST – 9	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302009	RIVER TERRACE & CHAMBERS ST – 4	AMBIENT	35	525		0.017	
09/26/01	302/010	RIVER TERRACE PARK AREA ——— 6A ?	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/011	WEST ST & WARREN ST. – 8	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307002	NORTH END AVE & PARK PL WEST – 10	AMBIENT	40	600	0.008	<LOQ	
09/26/01	10926A307003	RIVER TERRACE & VESEY ST – 17	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/26/01	10926A307006	SOUTH END AVE & ALBANY ST – 31	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307008	RECTOR PL BY THE PARK– 33A	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/006	W. THAMES ST - ALONG WATERFRONT– 34	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/007	WEST OF THIRD PL (SOUTH COVE APARTMENT) – 37	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307007	WEST ST & ALBANY – 32	AMBIENT	35	525		0.014	
09/26/01	10926A307005	GATEWAY PLAZA PARK AVE – 27	AMBIENT	35	525		0.023	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148387

NYC 9/11 Public Portal Document

DATE: 09/27/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
PERIMETER SAMPLES								
09/12/01	10912/A207001	GREENWICH & CHAMBERS ST.	AMBIENT	95	950		0.080	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS ST.	AMBIENT	90	900		0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950		0.040	157.48
09/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500		0.010	44.99
09/12/01	10912/A207005	W.BROADWAY & WORTH ST	AMBIENT	35	350		0.010	11.25
PERIMETER SAMPLES								
09/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.220	overload
09/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.100	overload
09/13/01	10913/A207003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450	0.01	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR ST.	AMBIENT	30	450	0.01	<LOQ	
PERIMETER SAMPLES								
09/14/01	10914/A003001	MURRAY & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH ST.	AMBIENT	40	600		0.007	
09/14/01	10914/A003007	MURRAY & GREENWICH ST.	AMBIENT	50	750	0.006	<LOQ	
09/14/01	10914/A003003	LIBERTY & CHURCH ST.	AMBIENT	40	600		0.020	14.32
09/14/01	10914/A003004	CEDAR & TRINTY PL	AMBIENT	39	585		0.027	overload
09/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	
09/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450	0.01	<LOQ	
HOT ZONE SAMPLES								
09/14/01	10914/A003005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION	AMBIENT	50	750	0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH ST.- APPROX. 50 FT. FROM EXPLOSION	AMBIENT	35	525		0.009	<6.56
DEP FACILITY								
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	
PERIMETER SAMPLES								
09/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.022	120.18
09/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600		0.034	overload
09/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.031	overload
09/15/01	LAB1#2	LIBERTY & BROADWAY	AMBIENT	50	750		0.008	overload
09/15/01	LAB3#3	CEDAR & BROADWAY	AMBIENT	30	450		0.033	overload
09/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450		0.045	overload
09/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750		0.024	overload
09/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.035	131.23
HOT ZONE SAMPLES								
09/15/01	LAB3#1	GREENWICH & PARK PL	AMBIENT	30	450		0.076	overload

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST.	AMBIENT	40	450		0.035	overload
PERIMETER SAMPLES								
09/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450		0.030	78.74
09/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600		0.030	overload
09/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.013	78.74
09/16/01	10916/A307001	LIBERTY ST. & BROADWAY	AMBIENT	35	525		0.010	overload
09/16/01	10916/A307002	CEDAR ST. & BROADWAY	AMBIENT	40	600		0.030	overload
09/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.050	overload
09/16/01	302/003	FULTON BET WEEN CHURCH & BROADWAY	AMBIENT	40	600		0.030	121.69
HOT ZONE SAMPLES								
09/16/01	LAB1#2	WASHINGTON & PARK PL	AMBIENT	30	450		0.038	102.36
09/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY	AMBIENT	40	600		0.024	overload
INDOOR SAMPLES								
09/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800		0.022	overload
09/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800		0.011	39.37
PERIMETER SAMPLES								
09/17/01	LAB1#1	MURRAY & CHURCH ST.	AMBIENT	45	675		0.013	43.74
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.017	overload
09/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.012	61.24
09/17/01	10917/A307001	LIBERTY ST. & BROADWAY	AMBIENT	30	450		0.062	overload
HPD BUILDING								
09/17/01	LAB3#1	100 GOLD STREET - LOBBY	AMBIENT	60	900		0.006	22.50
09/17/01	LAB3#2	100 GOLD STREET - 9th FL	AMBIENT	60	900		0.004	<11.25
BATTERY PARK CITY								
09/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800		0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 14th FL.	INDOOR	120	1800	0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350	0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	INDOOR	90	1350		0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800		0.014	19.69
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800		0.007	<19.69
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	
PERIMETER SAMPLES								
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.018	110.24
09/18/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.027	overload
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		0.011	<7.87
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.021	overload

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.008	52.49
09/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600		0.034	157.48
INDOOR SAMPLES								
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	INDOOR	90	1350		0.044	overload
09/18/01	302/002	225 RECTOR PL - LOBBY	INDOOR	90	1350		0.030	Insuff. Materials
PERIMETER SAMPLES								
09/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.014	122.48
09/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.020	overload
09/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675		0.012	6.75
09/19/01	LAB 3 #5	NORTH END AVE & VESEY ST.	AMBIENT	30	450		0.010	overload
09/19/01	LAB 3 #2	WEST ST & WARREN ST.	AMBIENT	30	450		0.030	149.61
09/19/01	10919/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.050	<8.75
09/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675		0.012	17.50
SOUTH END								
09/19/01	10919/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.013	overload
09/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
09/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.050	overload
09/19/01	LAB 3 #4	GATEWAY PLAZA PARK AVE	AMBIENT	30	450		0.010	31.50
PERIMETER SAMPLES								
09/20/01	10920/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	LAB3 #1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	10920/A307001	WARREN ST. & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/002	CEDAR & CHURCH STREETS	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/20/01	302/005	RIVER TERRACE AND PARK PLACE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	302/006	RIVER TERRACE AND CHAMBERS ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #4	WARREN ST. & NORTH END AVE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/20/01	10920/A307002	NORTH END AVENUE & PARK PL	AMBIENT	45	675	0.007	<LOQ	
09/20/01	10920/A307003	RIVER TERRACE AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/20/01	10920/A307004	SOUTH END AVENUE AND ALBANY ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	10920/A307005	RECTOR PLACE - AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/003	WEST THAMES STREET	AMBIENT	35	525	0.009	<LOQ	
09/20/01	302/004	THIRD PLACE & BATTERY PL.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #2	SOUTH END AVE. & THAMES ST.	AMBIENT	30	450	0.01	0.010	15.75
09/20/01	LAB3 #3	GATEWAY PLAZA PARK AVENUE	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/21/01	10921A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	<7.87
09/21/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/21/01	10921A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/21/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450		0.020	55.12
09/21/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	35	525		0.010	78.74
09/21/01	10921/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	10921/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/21/01	10921/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	10921/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/21/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.009	78.74
09/21/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450		<0.011	
09/21/01	LAB 3 #3	GATEWAY PLAZA PARK AVE	AMBIENT	34	510		0.014	overload
PERIMETER SAMPLES								
09/22/01	10922A040001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.010	<7.87
09/22/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	
09/22/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		<0.01	
09/22/01	10922A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.009	<8.75
NORTH END								
09/22/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	<0.007	<LOQ	
09/22/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600		0.009	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/22/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<0.01	
09/22/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<0.01	
09/22/01	10922/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/22/01	10922/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/22/01	10922/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/22/01	10922/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/22/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<0.008	
09/22/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
09/22/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	40	600		0.010	23.62
09/22/01	LAB 3 #3	GATEWAY PLAZA PARK AVE	AMBIENT	35	525		0.010	<7.87
ST. JOHN'S UNIVERSITY								
09/22/01	10922A003001	101 MURRAY (LOBBY AREA - CAFETERIA)	INDOOR	120	1800		0.003	
09/22/01	10922A003002	101 MURRAY(2ND FLOOR BY ROOM 214)	INDOOR	120	1800	0.003	<0.003	
09/22/01	LAB3#6	101 MURRAY (6TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
09/22/01	LAB3#7	101 MURRAY (10TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
PERIMETER SAMPLES								
09/23/01	10923A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/23/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.026	overload
09/23/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/23/01	10923/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923A040002	PARK PL. & CHURCH	AMBIENT	45	675		0.010	
09/23/01	302/006	PARK PL. & GREENWICH	AMBIENT	40	600		0.014	
09/23/01	10923A307004	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.013	overload
BATTERY PARK SAMPLES								
NORTH END								
09/23/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB3 #3	RIVER TERRACE PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/23/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<LOQ	
09/23/01	10923/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/23/01	10923/A307006	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.029	61.24
09/23/01	302/002	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/003	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/23/01	LAB 3 #5	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.002	<LOQ	
PERIMETER SAMPLES								
09/24/01	10924A207001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.017	35.00
09/24/01	10924A040001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.009	
09/24/01	10924A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.007	
09/24/01	302/001	PARK PL. & GREENWICH	AMBIENT	40	600		0.012	<8.75
BATTERY PARK SAMPLES								
NORTH END								
09/24/01	302/002	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/003	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924A040003	RIVER TERRACE PARK & WARREN ST.	AMBIENT	45	675		0.007	
09/24/01	10924A040002	WEST ST & WARREN ST.	AMBIENT	45	675		0.009	
09/24/01	10924/A307005	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.012	8.75
09/24/01	10924/A307004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/24/01	10924/A307002	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.010	<8.75
09/24/01	10924A307003	RECTOR PL BY THE PARK	AMBIENT	45	675		0.039	131.23
09/24/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924/A040004	WEST ST & ALBANY	AMBIENT	45	675		0.010	78.74
09/24/01	10924A040005	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.011	<0.011	
PERIMETER SAMPLES								
09/25/01	10925A307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307003	WARREN ST & NORTH END AVENUE	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A307002	PARK PL. & CHURCH	AMBIENT	45	675		0.009	
09/25/01	302/002	PARK PL. & GREENWICH	AMBIENT	40	600		0.009	
09/25/01	10925A003001	TRINITY PL. & THAMES ST.	AMBIENT	40	600	0.008	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/25/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/006	RIVER TERRACE PARK AREA	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307005	WEST ST & WARREN ST.	AMBIENT	45	675		0.012	
09/25/01	10925A307004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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09/25/01	10925A307006	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/25/01	302/009	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/010	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/007	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/008	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A003002	WEST ST & ALBANY	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A003003	GATEWAY PLAZA PARK AVE	AMBIENT	40	600		0.008	
PERIMETER SAMPLES								
09/26/01	302/004	MURRAY & CHURCH ST.	AMBIENT	45	675		0.010	
09/26/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.078	
09/26/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.008	
09/26/01	10926A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
09/26/01	302/002	PARK PL. & CHURCH	AMBIENT	45	675		0.008	
09/26/01	302/001	PARK PL. & GREENWICH	AMBIENT	45	675		0.008	
09/26/01	10926A307004	TRINITY PL. & THAMES ST.	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307009	VESEY & WEST ST.	AMBIENT	45	675		0.011	
BATTERY PARK SAMPLES								
NORTH END								
09/26/01	302/008	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302009	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525		0.017	
09/26/01	302/010	RIVER TERRACE PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307002	NORTH END AVE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/26/01	10926A307003	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/26/01	10926A307006	SOUTH END AVE & ALBANY ST	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307008	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/007	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307007	WEST ST & ALBANY	AMBIENT	35	525		0.014	
09/26/01	10926A307005	GATEWAY PLAZA PARK AVE	AMBIENT	35	525		0.023	
PERIMETER SAMPLES								
09/27/01	302/001	PARK PL. & CHURCH	AMBIENT	35	525		0.050	
09/27/01	302/002	MURRAY & CHURCH ST.	AMBIENT	40	600		0.016	
09/27/01	302/003	PARK PL. & GREENWICH	AMBIENT	35	525		0.014	
09/27/01	302/004	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/27/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.010	
09/27/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/007	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
09/27/01	10927A207002	VESEY & WEST ST.	AMBIENT	35	525		0.018	
09/27/01	10927A207003	VESEY & WEST ST.	AMBIENT	35	525		0.016	
BATTERY PARK SAMPLES								
NORTH END								
09/27/01	302/008	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/009	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525		0.014	
09/27/01	302/010	RIVER TERRACE PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525		0.009	
09/27/01	302/012	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/013	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/27/01	LAB3-001	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
09/27/01	LAB3-002	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/27/01	LAB3-003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/27/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
09/27/01	LAB3-005	WEST ST & ALBANY	AMBIENT	45	675	0.007	<LOQ	
09/27/01	LAB3-006	GATEWAY PLAZA PARK AVE	AMBIENT	35	525	0.009	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
PERIMETER SAMPLES								
09/12/01	10912/A207001	GREENWICH & CHAMBERS ST.	AMBIENT	95	950		0.080	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS ST.	AMBIENT	90	900		0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950		0.040	157.48
09/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500		0.010	44.99
09/12/01	10912/A207005	W.BROADWAY & WORTH ST	AMBIENT	35	350		0.010	11.25
PERIMETER SAMPLES								
09/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.220	overload
09/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.100	overload
09/13/01	10913/A207003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450	0.01	<LOQ	
09/13/01	10913/A207004	W. SHINGTON & CEDAR ST.	AMBIENT	30	450	0.01	<LOQ	
PERIMETER SAMPLES								
09/14/01	10914/A003001	MURRAY & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH ST.	AMBIENT	40	600		0.007	
09/14/01	10914/A003007	MURRAY & GREENWICH ST.	AMBIENT	50	750	0.006	<LOQ	
09/14/01	10914/A003003	LIBERTY & CHURCH ST.	AMBIENT	40	600		0.020	14.32
09/14/01	10914/A003004	CEDAR & TRINTY PL	AMBIENT	39	585		0.027	overload
09/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	
09/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450	0.01	<LOQ	
HOT ZONE SAMPLES								
09/14/01	10914/A003005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION	AMBIENT	50	750	0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH ST.- APPROX. 50 FT. FROM EXPLOSION	AMBIENT	35	525		0.009	<6.56
DEP FACILITY								
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	
PERIMETER SAMPLES								
09/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.022	120.18
09/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600		0.034	overload
09/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.031	overload
09/15/01	LAB1#2	LIBERTY & BROADWAY	AMBIENT	50	750		0.008	overload
09/15/01	LAB3#3	CEDAR & BROADWAY	AMBIENT	30	450		0.033	overload
09/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450		0.045	overload
09/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750		0.024	overload
09/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.035	131.23
HOT ZONE SAMPLES								
09/15/01	LAB3#1	GREENWICH & PARK PL	AMBIENT	30	450		0.076	overload

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST.	AMBIENT	40	450		0.035	overload
PERIMETER SAMPLES								
09/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450		0.030	78.74
09/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600		0.030	overload
09/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.013	78.74
09/16/01	10916/A307001	LIBERTY ST. & BROADWAY	AMBIENT	35	525		0.010	overload
09/16/01	10916/A307002	CEDAR ST. & BROADWAY	AMBIENT	40	600		0.030	overload
09/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.050	overload
09/16/01	302/003	FULTON BET WEEN CHURCH & BROADWAY	AMBIENT	40	600		0.030	121.69
HOT ZONE SAMPLES								
09/16/01	LAB1#2	WASHINGTON & PARK PL	AMBIENT	30	450		0.038	102.36
09/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY	AMBIENT	40	600		0.024	overload
INDOOR SAMPLES								
09/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800		0.022	overload
09/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800		0.011	39.37
PERIMETER SAMPLES								
09/17/01	LAB1#1	M RRAY & CHURCH ST.	AMBIENT	45	675		0.013	43.74
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.017	overload
09/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.012	61.24
09/17/01	10917/A307001	LIBERTY ST. & BROADWAY	AMBIENT	30	450		0.062	overload
HPD BUILDING								
09/17/01	LAB3#1	100 GOLD STREET - LOBBY	AMBIENT	60	900		0.006	22.50
09/17/01	LAB3#2	100 GOLD STREET - 9th FL	AMBIENT	60	900		0.004	<11.25
BATTERY PARK CITY								
09/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800		0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 14th FL.	INDOOR	120	1800	0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350	0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	INDOOR	90	1350		0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800		0.014	19.69
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800		0.007	<19.69
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	
PERIMETER SAMPLES								
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.018	110.24
09/18/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.027	overload
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		0.011	<7.87
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.021	overload

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.008	52.49
09/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600		0.034	157.48
INDOOR SAMPLES								
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	INDOOR	90	1350		0.044	overload
09/18/01	302/002	225 RECTOR PL - LOBBY	INDOOR	90	1350		0.030	Insuff. Materials
PERIMETER SAMPLES								
09/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.014	122.48
09/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.020	overload
09/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY NORTH END								
09/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675		0.012	6.75
09/19/01	LAB 3 #5	NORTH END AVE & VESEY ST.	AMBIENT	30	450		0.010	overload
09/19/01	LAB 3 #2	WEST ST & WARREN ST.	AMBIENT	30	450		0.030	149.61
09/19/01	10919/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.050	<8.75
09/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675		0.012	17.50
SOUTH END								
09/19/01	10919/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.013	overload
09/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
09/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.050	overload
09/19/01	LAB 3 #4	GATEWAY PLAZA PARK AVE	AMBIENT	30	450		0.010	31.50
PERIMETER SAMPLES								
09/20/01	10920/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	LAB3 #1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	10920/A307001	WARREN ST. & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/002	CEDAR & CHURCH STREETS	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY NORTH END								
09/20/01	302/005	RIVER TERRACE AND PARK PLACE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	302/006	RIVER TERRACE AND CHAMBERS ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #4	WARREN ST. & NORTH END AVE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/20/01	10920/A307002	NORTH END AVENUE & PARK PL	AMBIENT	45	675	0.007	<LOQ	
09/20/01	10920/A307003	RIVER TERRACE AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/20/01	10920/A307004	SOUTH END AVENUE AND ALBANY ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	10920/A307005	RECTOR PLACE - AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/003	WEST THAMES STREET	AMBIENT	35	525	0.009	<LOQ	
09/20/01	302/004	THIRD PLACE & BATTERY PL.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #2	SOUTH END AVE. & THAMES ST.	AMBIENT	30	450	0.01	0.010	15.75
09/20/01	LAB3 #3	GATEWAY PLAZA PARK AVENUE	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/21/01	10921A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	<7.87
09/21/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/21/01	10921A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/21/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450		0.020	55.12
09/21/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	35	525		0.010	78.74
09/21/01	10921/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	10921/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/21/01	10921/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	10921/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/21/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.009	78.74
09/21/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450		<0.011	
09/21/01	LAB 3 #3	GATEWAY PLAZA PARK AVE	AMBIENT	34	510		0.014	overload
PERIMETER SAMPLES								
09/22/01	10922A040001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.010	<7.87
09/22/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	
09/22/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		<0.01	
09/22/01	10922A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.009	<8.75
NORTH END								
09/22/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	<0.007	<LOQ	
09/22/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600		0.009	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/22/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<0.01	
09/22/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<0.01	
09/22/01	10922/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/22/01	10922/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/22/01	10922/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/22/01	10922/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/22/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<0.008	
09/22/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
09/22/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	40	600		0.010	23.62
09/22/01	LAB 3 #3	GATEWAY PLAZA P.`RK AVE	AMBIENT	35	525		0.010	<7.87
ST. JOHN'S UNIVERSITY								
09/22/01	10922A003001	101 MURRAY (LOBBY AREA - CAFETERIA)	INDOOR	120	1800		0.003	
09/22/01	10922A003002	101 MURRAY(2ND FLOOR BY ROOM 214)	INDOOR	120	1800	0.003	<0.003	
09/22/01	LAB3#6	101 MURRAY (6TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
09/22/01	LAB3#7	101 MURRAY (10TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
PERIMETER SAMPLES								
09/23/01	10923A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/23/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.026	overload
09/23/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/23/01	10923/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923A040002	PARK PL. & CHURCH	AMBIENT	45	675		0.010	
09/23/01	302/006	PARK PL. & GREENWICH	AMBIENT	40	600		0.014	
09/23/01	10923A307004	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.013	overload
BATTERY PARK SAMPLES								
NORTH END								
09/23/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB3 #3	RIVER TERRACE PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/23/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<LOQ	
09/23/01	10923/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/23/01	10923/A307006	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.029	61.24
09/23/01	302/002	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/003	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC 9/11 Public Portal Document

NYC-WTC_000148400

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/23/01	LAB 3 #5	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.002	<LOQ	
PERIMETER SAMPLES								
09/24/01	10924A207001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.017	35.00
09/24/01	10924A040001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.009	
09/24/01	10924A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.007	
09/24/01	302/001	PARK PL. & GREENWICH	AMBIENT	40	600		0.012	<8.75
BATTERY PARK SAMPLES								
NORTH END								
09/24/01	302/002	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/003	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924A040003	RIVER TERRACE PARK & WARREN ST.	AMBIENT	45	675		0.007	
09/24/01	10924A040002	WEST ST & WARREN ST.	AMBIENT	45	675		0.009	
09/24/01	10924/A307005	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.012	8.75
09/24/01	10924/A307004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/24/01	10924/A307002	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.010	<8.75
09/24/01	10924A307003	RECTOR PL BY THE PARK	AMBIENT	45	675		0.039	131.23
09/24/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924/A040004	WEST ST & ALBANY	AMBIENT	45	675		0.010	78.74
09/24/01	10924A040005	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.011	<0.011	
PERIMETER SAMPLES								
09/25/01	10925A307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307003	WARREN ST & NORTH END AVENUE	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A307002	PARK PL. & CHURCH	AMBIENT	45	675		0.009	
09/25/01	302/002	PARK PL. & GREENWICH	AMBIENT	40	600		0.009	
09/25/01	10925A003001	TRINITY PL. & THAMES ST.	AMBIENT	40	600	0.008	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/25/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	C.008	<LOQ	
09/25/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/006	RIVER TERRACE PARK AREA	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307005	WEST ST & WARREN ST.	AMBIENT	45	675		0.012	
09/25/01	10925A307004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC 9/11 Public Portal Document

NYC-WTC_000148401

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/25/01	10925A307006	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/25/01	302/009	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/010	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/007	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/008	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A003002	WEST ST & ALBANY	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A003003	GATEWAY PLAZA PARK AVE	AMBIENT	40	600		0.008	
PERIMETER SAMPLES								
09/26/01	302/004	MURRAY & CHURCH ST.	AMBIENT	45	675		0.010	
09/26/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.078	
09/26/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.008	
09/26/01	10926A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
09/26/01	302/002	PARK PL. & CHURCH	AMBIENT	45	675		0.008	
09/26/01	302/001	PARK PL. & GREENWICH	AMBIENT	45	675		0.008	
09/26/01	10926A307004	TRINITY PL. & THAMES ST.	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307009	VESEY & WEST ST.	AMBIENT	45	675		0.011	
BATTERY PARK SAMPLES								
NORTH END								
09/26/01	302/008	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302009	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525		0.017	
09/26/01	302/010	RIVER TERRACE PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307002	NORTH END AVE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/26/01	10926A307003	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/26/01	10926A307006	SOUTH END AVE & ALBANY ST	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307008	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/007	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307007	WEST ST & ALBANY	AMBIENT	35	525		0.014	
09/26/01	10926A307005	GATEWAY PLAZA PARK AVE	AMBIENT	35	525		0.023	
PERIMETER SAMPLES								
09/27/01	302/001	PARK PL. & CHURCH	AMBIENT	35	525		0.050	
09/27/01	302/002	MURRAY & CHURCH ST.	AMBIENT	40	600		0.016	
09/27/01	302/003	PARK PL. & GREENWICH	AMBIENT	35	525		0.014	
09/27/01	302/004	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYC-WTC_000148402

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/27/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.010	
09/27/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/007	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
09/27/01	10927A207002	VESEY & WEST ST.	AMBIENT	35	525		0.018	
09/27/01	10927A207003	VESEY & WEST ST.	AMBIENT	35	525		0.016	
BATTERY PARK SAMPLES								
NORTH END								
09/27/01	302/008	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/009	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525		0.014	
09/27/01	302/010	RIVER TERRACE PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525		0.009	
09/27/01	302/012	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/013	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/27/01	LAB3-001	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
09/27/01	LAB3-002	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/27/01	LAB3-003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/27/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
09/27/01	LAB3-005	WEST ST & ALBANY	AMBIENT	45	675	0.007	<LOQ	
09/27/01	LAB3-006	GATEWAY PLAZA PARK AVE	AMBIENT	35	525	0.009	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/23/01	LAB 3 #5	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.002	<LOQ	
PERIMETER SAMPLES								
09/24/01	10924A207001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.017	
09/24/01	10924A040001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.009	
09/24/01	10924A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.007	
09/24/01	302/001	PARK PL. & GREENWICH	AMBIENT	40	600		0.012	
BATTERY PARK SAMPLES								
NORTH END								
09/24/01	302/002	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/003	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924A040003	RI ER TERRACE PARK & WARREN ST.	AMBIENT	45	675		0.007	
09/24/01	10924A040002	WE T ST & WARREN ST.	AMBIENT	45	675		0.009	
09/24/01	10924/A307005	NO TH END AVE & PARK PL WEST	AMBIENT	45	675		0.012	
09/24/01	10924/A307004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/24/01	10924/A307002	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.010	
09/24/01	10924A307003	RECTOR PL BY THE PARK	AMBIENT	45	675		0.039	
09/24/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924/A040004	WEST ST & ALBANY	AMBIENT	45	675		0.010	
09/24/01	10924A040005	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.011	<0.011	
PERIMETER SAMPLES								
09/25/01	10925A307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307003	WARREN ST & NORTH END AVENUE	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A307002	PARK PL. & CHURCH	AMBIENT	45	675		0.009	
09/25/01	302/002	PARK PL. & GREENWICH	AMBIENT	40	600		0.009	
09/25/01	10925A003001	TRINITY PL. & THAMES ST.	AMBIENT	40	600	0.008	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/25/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/006	RIVER TERRACE PARK AREA	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307005	WEST ST & WARREN ST.	AMBIENT	45	675		0.012	
09/25/01	10925A307004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.008	<LOQ	

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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_00014804

DATE: 09/26/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/25/01	10925A307006	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
9/25/01	302/009	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
9/25/01	302/010	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/25/01	302/007	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
9/25/01	302/008	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
9/25/01	10925A003002	WEST ST & ALBANY	AMBIENT	40	600	0.008	<LOQ	
9/25/01	10925A003003	GATEWAY PLAZA PARK AVE	AMBIENT	40	600		0.008	

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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Compliance
Laboratory Unit
96-05 HORACE HARDING EXPRESSWAY
CORONA, N.Y. 11368
718- 595- 6309
FAX: 718- 595- 6307

To: M. Gilpeman **Date:** 9/26/01

Fax #: 4544 **No. of Pages:** 3
(including cover page)

From: L. Altelowy

Subject: WTC Report

COMMENTS:

NYC-WTC_000148405

NYC 9/11 Public Portal Document

DEP

FAX TRANSMISSION
COVER PAGE

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Compliance
Laboratory Unit
96-05 HORACE HARDING EXPRESSWAY
CORONA, N.Y. 11368
718- 595- 6309
FAX 718- 595- 6307

To: M. Gilgannon

Date: 9/26/01

Fax #: 4544

No. of Pages: 3
(including cover page)

From: L. Altelowsky

Subject: WTC Report

COMMENTS:

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NYC-WTC_000148407

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BHNHM LABORATORY UNIT

SEP-26-2001 11:36

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/23/01	LAB 3 #5	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.002	<LOQ	
PERIMETER SAMPLES								
09/24/01	10924A207001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.017	
09/24/01	10924A040001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.009	
09/24/01	10924A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.007	
09/24/01	302/001	PARK PL. & GREENWICH	AMBIENT	40	600		0.012	
BATTERY PARK SAMPLES								
NORTH END								
09/24/01	302/002	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/003	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924A040003	RIVER TERRACE PARK & WARREN ST	AMBIENT	45	675		0.007	
09/24/01	10924A040002	WEST ST & WARREN ST.	AMBIENT	45	675		0.009	
09/24/01	10924/A307005	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.012	
09/24/01	10924/A307004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/24/01	10924/A307002	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.010	
09/24/01	10924A307003	RECTOR PL BY THE PARK	AMBIENT	45	675		0.039	
09/24/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924/A040004	WEST ST & ALBANY	AMBIENT	45	675		0.010	
09/24/01	10924A040005	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.011	<0.011	
PERIMETER SAMPLES								
09/25/01	10925A307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307003	WARREN ST & NORTH END AVENUE	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A307002	PARK PL. & CHURCH	AMBIENT	45	675		0.009	
09/25/01	302/002	PARK PL. & GREENWICH	AMBIENT	40	600		0.009	
09/25/01	10925A003001	TRINITY PL. & THAMES ST.	AMBIENT	40	600	0.008	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/25/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/006	RIVER TERRACE PARK AREA	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307005	WEST ST & WARREN ST.	AMBIENT	45	675		0.012	
09/25/01	10925A307004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM . EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_00018408

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/25/01	10925A307006	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
9/25/01	302/009	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
9/25/01	302/010	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/25/01	302/007	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
9/25/01	302/008	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
9/25/01	10925A003002	WEST ST & ALBANY	AMBIENT	40	600	0.008	<LOQ	
9/25/01	10925A003003	GATEWAY PLAZA PARK AVE	AMBIENT	40	600		0.008	

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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM . EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148409

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P.02

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
PERIMETER SAMPLES								
9/12/01	10912/A207001	GREENWICH & CHAMBERS ST.	AMBIENT	95	950		0.080	overload
9/12/01	10912/A207002	CENTRE & CHAMBERS ST.	AMBIENT	90	900		0.016	123.73
9/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950		0.040	157.48
9/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500		0.010	44.99
9/12/01	10912/A207005	W.BROADWAY & WORTH ST	AMBIENT	35	350		0.010	11.25
PERIMETER SAMPLES								
9/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.220	
9/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.100	
9/13/01	10913/A207003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
9/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450	0.01	<LOQ	
9/13/01	10913/A207004	WASHINGTON & CEDAR ST.	AMBIENT	30	450	0.01	<LOQ	
PERIMETER SAMPLES								
9/14/01	10914/A003001	MURRAY & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
9/14/01	10914/A003002	FULTON & CHURCH ST.	AMBIENT	40	600		0.007	
9/14/01	10914/A003007	MURRAY & GREENWICH ST.	AMBIENT	50	750	0.006	<LOQ	
9/14/01	10914/A003003	LIBERTY & CHURCH ST.	AMBIENT	40	600		0.020	
9/14/01	10914/A003004	CEDAR & TRINTY PL	AMBIENT	39	585		0.027	
9/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	
9/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450	0.01	<LOQ	
HOT ZONE SAMPLES								
9/14/01	10914/A003005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION	AMBIENT	50	750	0.007	<LOQ	
9/14/01	10914/A003006	PARK & GREENWICH ST.- APPROX. 50 FT. FROM EXPLOSION	AMBIENT	35	525		0.009	
DEP FACILITY								
9/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	
PERIMETER SAMPLES								
9/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.022	
9/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600		0.034	
9/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.031	
9/15/01	LAB1#2	LIBERTY & BROADWAY	AMBIENT	50	750		0.008	
9/15/01	LAB3#3	CEDAR & BROADWAY	AMBIENT	30	450		0.033	
9/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450		0.045	
9/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750		0.024	
9/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.035	
HOT ZONE SAMPLES								
9/15/01	LAB3#1	GREENWICH & PARK PL	AMBIENT	30	450		0.076	

BANHM LABORATORY UNIT
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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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BANHM LABORATORY UNIT

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST.	AMBIENT	40	450		0.035	
PERIMETER SAMPLES								
9/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450		0.030	
9/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600		0.030	
9/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.013	
9/16/01	10916/A307001	LIBERTY ST. & BROADWAY	AMBIENT	35	525		0.010	
9/16/01	10916/A307002	CEDAR ST. & BROADWAY	AMBIENT	40	600		0.030	
9/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.050	
9/16/01	302/003	FULTON BET WEEN CHURCH & BROADWAY	AMBIENT	40	600		0.030	
HOT ZONE SAMPLES								
9/16/01	LAB1#2	WASHINGTON & PARK PL	AMBIENT	30	450		0.038	
9/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY	AMBIENT	40	600		0.024	
INDOOR SAMPLES								
9/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800		0.022	
9/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800		0.011	
PERIMETER SAMPLES								
9/17/01	LAB1#1	MURRAY & CHURCH ST.	AMBIENT	45	675		0.013	
9/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.017	
9/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.012	
9/17/01	10917/A307001	LIBERTY ST. & BROADWAY	AMBIENT	30	450		0.062	
HPD BUILDING								
9/17/01	LAB3#1	100 OLD STREET - LOBBY	AMBIENT	60	900		0.006	
9/17/01	LAB3#2	100 OLD STREET - 9th FL	AMBIENT	60	900		0.004	
BATTERY PARK CITY								
9/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800		0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 14th FL.	INDOOR	120	1800	0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350	0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	INDOOR	90	1350		0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800		0.014	
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800		0.007	
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	
PERIMETER SAMPLES								
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.018	
09/18/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.027	
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		0.011	
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.021	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER - AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.008	
9/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600		0.034	
INDOOR SAMPLES								
9/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	INDOOR	90	1350		0.044	
9/18/01	302/002	225 RECTOR PL - LOBBY	INDOOR	90	1350		0.030	
PERIMETER SAMPLES								
09/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.014	
09/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.020	
09/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675		0.012	
09/19/01	LAB 3 #5	NORTH END AVE & VESEY ST.	AMBIENT	30	450		0.010	
09/19/01	LAB 3 #2	WEST ST & WARREN ST.	AMBIENT	30	450		0.030	
09/19/01	10919/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.050	
09/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675		0.012	
SOUTH END								
09/19/01	10919/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.013	
09/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
09/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.050	
09/19/01	LAB 3 #4	GATEWAY PLAZA PARK AVE	AMBIENT	30	450		0.010	
PERIMETER SAMPLES								
09/20/01	10920/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	LAB3 #1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	10920/A307001	WARREN ST. & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/002	CEDAR & CHURCH STREETS	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/20/01	302/005	RIVER TERRACE AND PARK PLACE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	302/006	RIVER TERRACE AND CHAMBERS ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #4	WARREN ST. & NORTH END AVE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<LOQ	

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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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BANHM LABORATORY UNIT

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/20/01	10920/A307002	NORTH END AVENUE & PARK PL	AMBIENT	45	675	0.007	<LOQ	
9/20/01	10920/A307003	RIVER TERRACE AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/20/01	10920/A307004	SOUTH END AVENUE AND ALBANY ST.	AMBIENT	45	675	0.007	<LOQ	
9/20/01	10920/A307005	RECTOR PLACE - AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/20/01	302/003	WEST THAMES STREET	AMBIENT	35	525	0.009	<LOQ	
9/20/01	302/004	THIRD PLACE & BATTERY PL.	AMBIENT	30	450	0.01	<LOQ	
9/20/01	LAB3 #2	SOUTH END AVE. & THAMES ST.	AMBIENT	30	450	0.01	0.010	
9/20/01	LAB3 #3	GATEWAY PLAZA PARK AVENUE	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
9/21/01	10921A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
9/21/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	
9/21/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
9/21/01	10921A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/21/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450		0.020	
09/21/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	35	525		0.010	
09/21/01	10921/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	10921/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/21/01	10921/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	10921/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/21/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.009	
09/21/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450		<0.011	
09/21/01	LAB 3 #3	GATEWAY PLAZA PARK AVE	AMBIENT	34	510		0.014	
PERIMETER SAMPLES								
09/22/01	10922A040001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.010	
09/22/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	
09/22/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		<0.01	
09/22/01	10922A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.009	
NORTH END								
09/22/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	<0.007	<LOQ	
09/22/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600		0.009	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc/mm2)
9/22/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<0.01	
9/22/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<0.01	
9/22/01	10922/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
9/22/01	10922/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/22/01	10922/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
9/22/01	10922/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/22/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<0.008	
9/22/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
9/22/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	40	600		0.010	
9/22/01	LAB 3 #3	GATEWAY PLAZA PARK AVE	AMBIENT	35	525		0.010	
ST. JOHN'S UNIVERSITY								
9/22/01	10922A003001	101 MURRAY (LOBBY AREA - CAFETERIA)	INDOOR	120	1800		0.003	
9/22/01	10922A003002	101 MURRAY(2ND FLOOR BY ROOM 214)	INDOOR	120	1800	0.003	<0.003	
9/22/01	LAB3#6	101 MURRAY (6TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
9/22/01	LAB3#7	101 MURRAY (10TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
PERIMETER SAMPLES								
9/23/01	10923A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
9/23/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.026	
9/23/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
9/23/01	10923/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
9/23/01	10923A040002	PARK PL. & CHURCH	AMBIENT	45	675		0.010	
9/23/01	302/006	PARK PL. & GREENWICH	AMBIENT	40	600		0.014	
BATTERY PARK SAMPLES								
NORTH END								
09/23/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB3 #3	RIVER TERRACE PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/23/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<LOQ	
09/23/01	10923/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/23/01	10923/A307006	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.029	
09/23/01	10923A307004	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.013	
09/23/01	302/002	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/003	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450	0.01	<LOQ	

BANHM LABORATORY UNIT
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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/23/01	LAB 3 #5	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.002	<LOQ	
PERIMETER SAMPLES								
9/24/01	10924A207001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.017	
9/24/01	10924A040001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.009	
9/24/01	10924A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.007	
9/24/01	302/001	PARK PL. & GREENWICH	AMBIENT	40	600		0.012	
BATTERY PARK SAMPLES								
NORTH END								
9/24/01	302/002	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
9/24/01	302/003	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
9/24/01	10924A040003	RIVER TERRACE PARK & WARREN ST.	AMBIENT	45	675		0.007	
9/24/01	10924A040002	WEST ST & WARREN ST.	AMBIENT	45	675		0.009	
9/24/01	10924/A307005	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.012	
9/24/01	10924/A307004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/24/01	10924/A307002	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.010	
9/24/01	10924A307003	RECTOR PL BY THE PARK	AMBIENT	45	675		0.039	
9/24/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
9/24/01	302/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
9/24/01	10924/A040004	WEST ST & ALBANY	AMBIENT	45	675		0.010	
9/24/01	10924A040005	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.011	<0.011	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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DEP

FAX TRANSMISSION

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Compliance
Laboratory Unit
96-05 HORACE HARDING EXPRESSWAY
CORONA, N.Y. 11368
718- 595- 6309
FAX: 718- 595- 6307

To: M. Gibson **Date:** 9/24/01

Fax #: 4544 **No. of Pages:** 7
(including cover page)

From: L. Attorney

Subject:

COMMENTS:

NYC-WTC_000148415

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DEP

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Environmental Compliance
Laboratory Unit
90-31 Horace Harding Expressway
Corona, N.Y. 11368
718-595-6209
Fax: 718-595-6307

To: M. Gilmartin Date: 9/24/01

Fax #: 4544 No. of Pages: 7 (including cover page)

From: L. Antonacci

Subject:

COMMENTS:

NYC-WTC_000148416

NYC-WTC_000148417

NYC 9/11 Public Portal Document

DATE: 09/24/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Name	Ambient Indoor	Duration Sampled (Mins)	Sample Volume (Liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
PERIMETER SAMPLES								
9/12/01	10912/A207001	GREENWICH & CHAMBERS ST	AMBIENT	90	950		0.080	overload
9/12/01	10912/A207002	CENTRE & CHAMBERS ST	AMBIENT	90	900		0.016	123.73
9/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950		0.040	157.48
9/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500		0.010	44.99
9/12/01	10912/A207005	W.BROADWAY & WORTH ST	AMBIENT	35	350		0.010	11.25
PERIMETER SAMPLES								
9/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.220	
9/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.100	
9/13/01	10913/A207003	MURRAY & GREENWICH ST	AMBIENT	40	600	0.008	<LOQ	
9/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450	0.01	<LOQ	
9/13/01	10913/A207004	WASHINGTON & CEDAR ST	AMBIENT	30	450	0.01	<LOQ	
PERIMETER SAMPLES								
9/13/01	10913/A003001	MURRAY & CHURCH ST	AMBIENT	40	600	0.008	<LOQ	
9/13/01	10914/A003002	FULTON & CHURCH ST	AMBIENT	40	600		0.007	
9/13/01	10914/A003007	MURRAY & GREENWICH ST	AMBIENT	50	750	0.006	<LOQ	
9/14/01	[illegible]	LIBERTY & CHURCH ST	AMBIENT	40	600		0.020	
9/14/01	[illegible]	CEDAR & TRINITY PL	AMBIENT	39	585		0.027	
9/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	
9/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450	0.01	<LOQ	
HOT ZONE SAMPLES								
9/14/01	10914/A002005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION	AMBIENT	50	750	0.007	<LOQ	
9/14/01	10914/A003006	PARK & GREENWICH ST. - APPROX. 50 FT. FROM EXPLOSION	AMBIENT	35	525		0.009	
DEP FACILITY								
9/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	
PERIMETER SAMPLES								
9/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.022	
9/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600		0.034	
9/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.031	
9/15/01	LAB1#2	LIBERTY & BROADWAY	AMBIENT	50	750		0.008	
9/15/01	LAB3#3	CEDAR & BROADWAY	AMBIENT	30	450		0.033	
9/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450		0.045	
9/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750		0.024	
9/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.035	
HOT ZONE SAMPLES								
9/15/01	LAB3#1	GREENWICH & PARK PL	AMBIENT	30	450		0.076	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2 TEM . EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYC-WTC_000148418

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST	AMBIENT	60	450		0.035	
PERIMETER SAMPLES								
9/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450		0.030	
9/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600		0.030	
9/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.013	
9/16/01	10916/A307001	LIBERTY ST. & BROADWAY	AMBIENT	35	525		0.010	
9/16/01	10916/A307002	CEDAR ST. & BROADWAY	AMBIENT	40	600		0.030	
9/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.050	
9/16/01	302/003	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.030	
HOT ZONE SAMPLES								
9/16/01	LAB1#2	WASHINGTON & PARK PL.	AMBIENT	30	450		0.038	
9/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY	AMBIENT	40	600		0.024	
INDOOR SAMPLES								
9/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800		0.022	
9/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800		0.011	
PERIMETER SAMPLES								
9/17/01	LAB1#1	MURRAY & CHURCH ST	AMBIENT	45	675		0.013	
9/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.017	
9/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.012	
9/17/01	10917/A307001	LIBERTY ST. & BROADWAY	AMBIENT	30	450		0.062	
HPD BUILDING								
9/17/01	LAB3#1	100 GOLD STREET - LOBBY	AMBIENT	60	900		0.006	
9/17/01	LAB3#2	100 GOLD STREET - 9th FL	AMBIENT	60	900		0.004	
BATTERY PARK CITY								
9/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800		0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 14th FL.	INDOOR	120	1800	0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350	0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	INDOOR	90	1350		0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800		0.014	
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800		0.007	
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	
PERIMETER SAMPLES								
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.018	
09/18/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.027	
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		0.011	
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.021	

BHHH LABORATORY UNIT

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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148419

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F.04

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.008	
9/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600		0.034	
INDOOR SAMPLES								
9/18/01	10918/A307002	225 RECTOR PL. - 11TH FLOOR	INDOOR	90	1350		0.044	
9/18/01	302/002	225 RECTOR PL. - LOBBY	INDOOR	90	1350		0.030	
PERIMETER SAMPLES								
9/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.014	
9/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.020	
9/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
9/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
9/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
9/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675		0.012	
9/19/01	LAB 3 #5	NORTH END AVE & VESEY ST.	AMBIENT	30	450		0.010	
9/19/01	LAB 3 #2	WEST ST & WARREN ST.	AMBIENT	30	450		0.030	
9/19/01	10919/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.050	
9/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675		0.012	
SOUTH END								
9/19/01	10919/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.013	
9/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
9/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
9/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.050	
9/19/01	LAB 3 #4	GATEWAY PLAZA PARK AVE	AMBIENT	30	450		0.010	
PERIMETER SAMPLES								
09/20/01	10920/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	LAB3 #1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	10920/A307001	WARREN ST. & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/002	CEDAR & CHURCH STREETS	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/20/01	302/005	RIVER TERRACE AND PARK PLACE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	302/006	RIVER TERRACE AND CHAMBERS ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #4	WARREN ST. & NORTH END AVE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<LOQ	

BMM LABORATORY UNIT

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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148420

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F-05

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/20/01	10920/A307002	NORTH END AVENUE & PARK PL	AMBIENT	45	675	0.007	<LOQ	
9/20/01	10920/A307003	RIVER TERRACE AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/20/01	10920/A307004	SOUTH END AVENUE AND ALBANY ST.	AMBIENT	45	675	0.007	<LOQ	
9/20/01	10920/A307005	RECTOR PLACE - AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/20/01	302/003	WEST THAMES STREET	AMBIENT	35	525	0.009	<LOQ	
9/20/01	302/004	THIRD PLACE & BATTERY PL.	AMBIENT	30	450	0.01	<LOQ	
9/20/01	LAB3 #2	SOUTH END AVE. & THAMES ST.	AMBIENT	30	450	0.01	0.010	
9/20/01	LAB3 #3	GATEWAY PLAZA PARK AVENUE	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
9/21/01	10921A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
9/21/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	
9/21/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
9/21/01	10921A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
9/21/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
9/21/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
9/21/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450		0.020	
9/21/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	35	525		0.010	
9/21/01	10921/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
9/21/01	10921/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/21/01	10921/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
9/21/01	10921/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/21/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
9/21/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.009	
9/21/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450		<0.011	
9/21/01	LAB 3 #3	GATEWAY PLAZA PARK AVE	AMBIENT	34	510		0.014	
PERIMETER SAMPLES								
9/22/01	10922A040001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.010	
9/22/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	
9/22/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		<0.01	
9/22/01	10922A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.009	
NORTH END								
9/22/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	<0.007	<LOQ	
9/22/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600		0.009	

EHHMI LABORATORY UNIT

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METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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BAHM LABORATORY UNIT

SEP-24-2001 22:30

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc/mm2)
9/22/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<0.01	
9/22/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<0.01	
9/22/01	10922/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
9/22/01	10922/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/22/01	10922/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
9/22/01	10922/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/22/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<0.008	
9/22/01	302/002	THIRD PL. & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
9/22/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	40	600		0.010	
9/22/01	LAB 3 #3	GATEWAY PLAZA PARK AVE	AMBIENT	35	525		0.010	
ST. JOHN'S UNIVERSITY								
9/22/01	10922A003001	101 MURRAY (LOBBY AREA - CAFETERIA)	INDOOR	120	1800		0.003	
9/22/01	10922A003002	101 MURRAY(2ND FLOOR BY ROOM 214)	INDOOR	120	1800	0.003	<0.003	
9/22/01	LAB3#6	101 MURRAY (6TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
9/22/01	LAB3#7	101 MURRAY (10TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
PERIMETER SAMPLES								
09/23/01	10923A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/23/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.026	
09/23/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/23/01	10923/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923A040002	PARK PL. & CHURCH	AMBIENT	45	675		0.010	
09/23/01	302/006	PARK PL. & GREENWICH	AMBIENT	40	600		0.014	
BATTERY PARK SAMPLES								
NORTH END								
09/23/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB3 #3	RIVER TERRACE PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/23/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<LOQ	
09/23/01	10923/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/23/01	10923/A307006	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.029	
09/23/01	10923A307004	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.013	
09/23/01	302/002	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/003	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (Liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/23/01	LAB 3 #5	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.002	<LOQ	
PERIMETER SAMPLES								
9/24/01	10924A20700	MURRAY & CHURCH ST	AMBIENT	45	675		0.017	
9/24/01	10924A040001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.009	
9/24/01	10924A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.007	
9/24/01	302/001	PARK PL & GREENWICH	AMBIENT	40	600		0.012	
BATTERY PARK SAMPLES								
NORTH END								
9/24/01	302/002	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
9/24/01	302/003	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
9/24/01	10924A040003	RIVER TERRACE PARK & WARREN ST.	AMBIENT	45	675		0.007	
9/24/01	10924A040002	WEST ST & WARREN ST.	AMBIENT	45	675		0.009	
9/24/01	10924/A307005	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.012	
9/24/01	10924/A307004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/24/01	10924/A307002	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.010	
9/24/01	10924A307003	RECTOR PL BY THE PARK	AMBIENT	45	675		0.039	
9/24/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
9/24/01	302/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
9/24/01	10924/A040004	WEST ST & ALBANY	AMBIENT	45	675		0.010	
9/24/01	10924A040005	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.011	<0.011	

BHSHH LABORATORY UNIT

SEP-24-2001 22:31

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.013	
09/16/01	LAB1#2	WASHINGTON & PARK PL	AMBIENT	30	450			0.038	
09/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY (HOT ZONE)	AMBIENT	40	600			0.024	
09/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600			0.030	
09/16/01	302/003	FULTON BET WEEN CHURCH & BROADWAY	AMBIENT	40	600			0.030	
09/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800			0.022	
09/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800			0.011	
09/17/01	LAB3#1	100 GOLD STREET - LOBBY	AMBIENT	60	900		0.006	0.006	
09/17/01	LAB3#2	100 GOLD STREET - 9TH FL	AMBIENT	60	900		0.006	0.004	
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600			0.027	
09/17/01	10917/A307001	BROADWAY & LIBERTY ST.	AMBIENT	30	450			0.062	
09/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.012	
09/17/01	LAB1#1	MURRAY & CHURCH ST.	AMBIENT	45	675			0.013	
09/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800			0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 9TH FL.	INDOOR	120	1800		0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350		0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	INDOOR	90	1350			0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800			0.014	
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800			0.007	
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	0.007	
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675			0.017	
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	INDOOR	90	1350			0.044	
09/18/01	302/002	225 RECTOR PL - LOBBY	INDOOR	90	1350			0.030	
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450			0.011	
09/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675			0.008	
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525			0.018	
09/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600			0.034	
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450			0.021	
09/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.007	0.014	
09/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600		0.008	<LOQ	
09/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.007	0.020	
09/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.007	<LOQ	
09/19/01	LAB 3 #2	WARREN ST & WEST ST	AMBIENT	30	450		0.01	0.030	
09/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.01	0.050	
09/19/01	LAB 3 #4	GATEWAY PLAZA PARK AVENUE	AMBIENT	30	450		0.01	0.010	
09/19/01	LAB 3 #5	NORTH END & VESEY ST.	AMBIENT	30	450		0.01	0.010	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/12/01	10912/A207001	GREENWICH & CHAMBERS ST.	AMBIENT	95	950			0.080	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS ST.	AMBIENT	90	900			0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950			0.040	157.48
09/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500			0.010	44.99
09/12/01	10912/A207005	W.BROADWAY & WORTH ST	AMBIENT	35	350			0.010	11.25
09/12/01		FIELD BLANK	AMBIENT			12.7		<LOD	
09/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.01	0.220	
09/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.01	0.100	
09/13/01	10913/A207003	MURRAY & GREENWICH ST.	AMBIENT	40	600		0.008	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR ST.	AMBIENT	30	450		0.01	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.01	<LOQ	
09/14/01	10914/A003001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH ST.	AMBIENT	40	600		0.007	0.007	
09/14/01	10914/A003003	LIBERTY & CHURCH ST.	AMBIENT	40	600			0.020	
09/14/01	10914/A003004	CEDAR & TRINTY PL	AMBIENT	39	585			0.027	
09/14/01	10914/A003005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION(HOT ZONE)	AMBIENT	50	750		0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH ST.- APPROX. 50 FT. FROM EXPLOSION(HOT ZONE	AMBIENT	35	525			0.009	
09/14/01	10914/A003007	MURRAY & GREENWICH ST.	AMBIENT	50	750		0.006	<LOQ	
09/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	0.002	
09/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450		0.01	<LOQ	
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	0.005	
09/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525			0.022	
09/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750			0.024	
09/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450			0.045	
09/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	45	675			0.035	
09/15/01	LAB1#2	BROADWAY & LIBERTY ST	AMBIENT	50	750			0.008	
09/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600			0.034	
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST.(HOT ZONE)	AMBIENT	40	450			0.035	
09/15/01	LAB3#1	GREENWICH & PARK PL (HOT ZONE)	AMBIENT	30	450			0.076	
09/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.031	
09/15/01	LAB3#3	BROADWAY & CEDAR ST.	AMBIENT	30	450			0.033	
09/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450			0.030	
09/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675			0.050	
09/16/01	10916/A307001	BROADWAY & LIBERTY ST.	AMBIENT	35	525			0.010	
09/16/01	10916/A307002	BROADWAY & CEDAR ST.	AMBIENT	40	600			0.030	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/19/01	10919/A307002	N.END AVE & PARK PL WEST	AMBIENT	45	675			0.050	
09/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675			0.012	
09/19/01	10919/A307004	SOUTH END AVENUE & ALBANY ST	AMBIENT	45	675			0.013	
09/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675			0.012	
09/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675		0.007	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.013	
09/16/01	LAB1#2	WASHINGTON & PARK PL	AMBIENT	30	450			0.038	
09/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY (HOT ZONE)	AMBIENT	40	600			0.024	
09/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600			0.030	
09/16/01	302/003	FULTON BET WEEN CHURCH & BROADWAY	AMBIENT	40	600			0.030	
09/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800			0.022	
09/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800			0.011	
09/17/01	LAB3#1	100 GOLD STREET - LOBBY	AMBIENT	60	900		0.006	0.006	
09/17/01	LAB3#2	100 GOLD STREET - 9TH FL	AMBIENT	60	900		0.006	0.004	
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600			0.027	
09/17/01	10917/A307001	BROADWAY & LIBERTY ST.	AMBIENT	30	450			0.062	
09/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.012	
09/17/01	LAB1#1	MURRAY & CHURCH ST.	AMBIENT	45	675			0.013	
09/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800			0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 9TH FL.	INDOOR	120	1800		0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350		0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	INDOOR	90	1350			0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800			0.014	
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800			0.007	
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	0.007	
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675			0.017	
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	INDOOR	90	1350			0.044	
09/18/01	302/002	225 RECTOR PL - LOBBY	INDOOR	90	1350			0.030	
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450			0.011	
09/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675			0.008	
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525			0.018	
09/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600			0.034	
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450			0.021	
09/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.007	0.014	
09/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600		0.008	<LOQ	
09/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.007	0.020	
09/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.007	<LOQ	
09/19/01	LAB 3 #2	WARREN ST & WEST ST	AMBIENT	30	450		0.01	0.030	
09/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.01	0.050	
09/19/01	LAB 3 #4	GATEWAY PLAZA PARK AVENUE	AMBIENT	30	450		0.01	0.010	
09/19/01	LAB 3 #5	NORTH END & VESEY ST.	AMBIENT	30	450		0.01	0.010	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/12/01	10912/A207001	GREENWICH & CHAMBERS ST.	AMBIENT	95	950			0.080	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS ST.	AMBIENT	90	900			0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950			0.040	157.48
09/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500			0.010	44.99
09/12/01	10912/A207005	W.BROADWAY & WORTH ST	AMBIENT	35	350			0.010	11.25
09/12/01		FIELD BLANK	AMBIENT			12.7		<LOD	
09/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.01	0.220	
09/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.01	0.100	
09/13/01	10913/A207003	MURRAY & GREENWICH ST.	AMBIENT	40	600		0.008	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR ST.	AMBIENT	30	450		0.01	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.01	<LOQ	
09/14/01	10914/A003001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH ST.	AMBIENT	40	600		0.007	0.007	
09/14/01	10914/A003003	LIBERTY & CHURCH ST.	AMBIENT	40	600			0.020	
09/14/01	10914/A003004	CEDAR & TRINTY PL	AMBIENT	39	585			0.027	
09/14/01	10914/A003005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION(HOT ZONE)	AMBIENT	50	750		0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH ST.- APPROX. 50 FT. FROM EXPLOSION(HOT ZONE	AMBIENT	35	525			0.009	
09/14/01	10914/A003007	MURRAY & GREENWICH ST.	AMBIENT	50	750		0.006	<LOQ	
09/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	0.002	
09/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450		0.01	<LOQ	
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	0.005	
09/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525			0.022	
09/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750			0.024	
09/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450			0.045	
09/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	45	675			0.035	
09/15/01	LAB1#2	BROADWAY & LIBERTY ST	AMBIENT	50	750			0.008	
09/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600			0.034	
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST.(HOT ZONE)	AMBIENT	40	450			0.035	
09/15/01	LAB3#1	GREENWICH & PARK PL (HOT ZONE)	AMBIENT	30	450			0.076	
09/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.031	
09/15/01	LAB3#3	BROADWAY & CEDAR ST.	AMBIENT	30	450			0.033	
09/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450			0.030	
09/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675			0.050	
09/16/01	10916/A307001	BROADWAY & LIBERTY ST.	AMBIENT	35	525			0.010	
09/16/01	10916/A307002	BROADWAY & CEDAR ST.	AMBIENT	40	600			0.030	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/19/01	10919/A307002	N.END AVE & PARK PL WEST	AMBIENT	45	675			0.050	
09/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675			0.012	
09/19/01	10919/A307004	SOUTH END AVENUE & ALBANY ST	AMBIENT	45	675			0.013	
09/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675			0.012	
09/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675		0.007	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148429

NYC 9/11 Public Portal Document

WORLD TRADE CENTER AIR SAMPLING TABLE

Date Sampled	Sample ID	Location Sampled	Duration Sampled (Mins)	Sample Volume (liters)	Type of Analysis PCM/TEM	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Results PCM (f/cc)	Results TEM (struc./mm2)
09/12/01	10912/A207001	GREENWICH & CHAMBERS STS.	95	950	PCM & TEM			0.08	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS .	90	900	PCM & TEM			0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD	95	950	PCM & TEM			0.04	157.48
09/12/01	10912/A207004	BROADWAY & WORTH	50	500	PCM & TEM			0.01	44.99
09/12/01	10912/A207005	W. BROADWAY & WORTH	35	350	PCM & TEM			0.01	11.25
09/12/01		FIELD BLANK			PCM	12.7		<LOD	
09/13/01	10913/A207001	MURRAY & CHURCH	25	375	PCM		0.01	0.22	
09/13/01	10913/A207002	FULTON & CHURCH	40	600	PCM		0.01	0.1	
09/13/01	10913/A207003	MURRAY & GREENWICH	40	600	PCM		0.008	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR	30	450	PCM		0.01	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH	30	450	PCM		0.01	<LOQ	
09/14/01	10914/A003001	MURRAY & CHURCH	40	600	PCM		0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH	40	600	PCM		0.007	0.007	
09/14/01	10914/A003003	LIBERTY & CHURCH	40	600	PCM			0.02	
09/14/01	10914/A003004	CEDAR & TRINTY PL	39	585	PCM			0.027	
09/14/01	10914/A003005	1 LIBERTY PLAZA APPROX. 50 FT FROM EXPLOSION (HOT ZONE)	50	750	PCM		0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH 50 FT. FROM EXPLOSION(HOT ZONE)	35	525	PCM			0.009	
09/14/01	10914/A003007	MURRAY & GREENWICH	50	750	PCM		0.006	<LOQ	
09/14/01	10914/A003008	MURRAY BETWEEN BROADWAY & CHURCH	40	600	PCM		0.002	0.002	
09/14/01	10914/A003009	FULTON BETWEEN BROADWAY & CHURCH	30	450	PCM		0.001	<LOQ	
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	65	975	PCM		0.005	0.005	
09/15/01	10915/A307001	MURRAY & CHURCH	35	525	PCM			0.022	
09/15/01	10915/A307002	MURRAY BETWEEN BROADWAY & CHURCH	50	750	PCM			0.024	
09/15/01	10915/A307003	BROADWAY & MURRAY ST	30	450	PCM			0.045	
09/15/01	LAB1#1	FULTON BETWEEN BROADWAY & CHURCH	45	675	PCM			0.035	
09/15/01	LAB1#2	BROADWAY & LIBERTY	50	750	PCM			0.0082	
09/15/01	302-1	FULTON & CHURCH	40	600	PCM			0.034	
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH (HOT ZONE)	40	450	PCM			0.035	
09/15/01	LAB3#1	GREENWICH & PARK PL (HOT ZONE)	30	450	PCM			0.076	
09/15/01	LAB3#2	GREENWICH & MURRAY	45	675	PCM			0.031	
09/15/01	LAB3#3	BROADWAY & CEDAR	30	450	PCM			0.033	

NYC-WTC_000148430

NYC 9/11 Public Portal Document

WORLD TRADE CENTER AIR SAMPLING TABLE

Date Sampled	Sample ID	Location Sampled	Duration Sampled (Mins)	Sample Volume (liters)	Type of Analysis PCM/TEM	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Results PCM (f/cc)	Results TEM (struc./mm2)
09/16/01	10916/A207003	MURRAY & CHURCH	30	450	PCM			0.03	
09/16/01	10916/A207004	MURRAY BET WEEN CHURCH & BROADWAY	45	675	PCM			0.05	
09/16/01	10916/A307001	BROADWAY & LIBERTY	35	525	PCM			0.01	
09/16/01	10916/A307002	BROADWAY & CEDAR	40	600	PCM			0.08	
09/16/01	LAB1#1	GREENWICH & MURRAY	45	675	PCM			0.013	
09/16/01	LAB1#2	WASHINGTON & PARK PL	30	450	PCM			0.038	
09/16/01	302/001	VESEY BET W.BROADWAY & CHURCH (HOT ZONE)	40	600	PCM			0.024	
09/16/01	302/002	FULTON & CHURCH	40	600	PCM			0.03	
09/16/01	302/003	FULTON BETWEEN BROADWAY & CHURCH	40	600	PCM			0.03	
09/16/01	10916/A207001	CITY HALL , 2ND FL , OUTSIDE JULIE MENDIK'S OFFICE	120	1800	PCM			0.022	
09/16/01	10916/A207002	CITY HALL, 1ST FL, BLUE ROOM	120	1800	PCM			0.011	
09/17/01	LAB3#1	LOBBY - 100 GOLD STREET	60	15	PCM		0.006	0.006	
09/17/01	LAB3#2	9TH FL - 100 GOLD STREET	60	15	PCM		0.006	0.006	
09/17/01	302/001	FULTON & CHURCH	40	600	PCM			0.027	
09/17/01	10917/A307001	BROADWAY & LIBERTY	30	450	PCM			0.062	
09/17/01	LAB3#001	GREENWICH & MURRAY	45	675	PCM			0.012	
09/17/01	LAB1#1	MURRAY & CHURCH	45	675	PCM			0.013	
09/17/01	10917/A100001	LOBBY- 22 RIVER TERRACE	120	1800	PCM		0.004	0.004	
09/17/01	10917/A100002	14TH FL - 22 RIVER TERRACE	120	1800	PCM		0.002	<0.002	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	90	1350	PCM		0.002	<0.002	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	90	1350	PCM			0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	120	1800	PCM			0.014	
09/17/01	302/002	400 CHAMBERS STREET - 9TH FLOOR	120	1800	PCM			0.007	
09/17/01	302/003	W. END OF WARREN STREET	45	675	PCM		0.007	0.007	
09/17/01	302/001	S.W. FULTON / CHURCH	45	675	PCM			0.017	
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	90	1350	PCM		0.006	0.044	
09/18/01	302/002	225 RECTOR PLACE - LOBBY	90	1350	PCM			0.03	
09/18/01	LAB3#1	GREENWICH & MURRAY	30	450	PCM			0.011	
09/18/01	10918/A307001	WARREN & NORTH END AVENUE	45	675	PCM			0.008	
09/18/01	10918/A003001	MURRAY & CHURCH	35	525	PCM			0.018	
09/18/01	10918/A207001	WEST ST & VESEY	40	600	PCM			0.034	
09/18/01	10918/A207002	LIBERTY & CHURCH	30	450	PCM			0.021	

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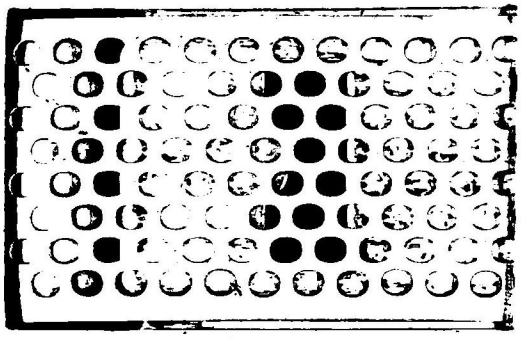
9/20
to GK

TESTING AT GROUND ZERO BY DEP HAZMAT
From 9/13 - 9/19

Freon	**Negative**
VOC's	**Negative**
Chlorine	**Negative**
Methane	**Negative**
H_2 Cyanide	**Negative**
Lower Explosive Levels	**Negative**
Carbon Monoxide	**Slightly elevated**

NYC-WTC_000148431

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ROBERT C. AVALTRONI, DEPUTY COMMISSIONER
BUREAU OF AIR, NOISE, & HAZARDOUS MATERIALS
59-17 Junction Blvd., 11th floor
Corona, New York 11368-5107
(718) 595-4418
FAX (718) 595-4544

Date: 9/21/01

Log: _____

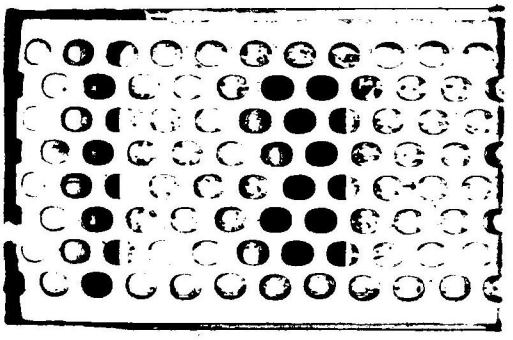
To: Comm. Miele, F/D/C Chapin, C. Sturcken

Re: Test results

( ) Urgent	( ) Per our conversation
(X) For your information	( ) Draft response for my signature
( ) For appropriate action	( ) Draft response for the Commissioner's signature
( ) For comment	( ) Respond/copy me

Comments:

Tests results up to date. As tests results from the 20th become available, we will update.



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TESTING AT GROUND ZERO BY DEP HAZMAT
From 9/13 - 9/19

Freon	**Negative**
VOC's	**Negative**
Chlorine	**Negative**
Methane	**Negative**
H_2 Cyanide	**Negative**
Lower Explosive Levels	**Negative**
Carbon Monoxide	**Slightly elevated**

NYC-WTC_00014843

NYC 9/11 Public Portal Document

WORLD TRADE CENTER AIR SAMPLING TABLE

Date Sampled	Sample ID	Location Sampled	Duration Sampled (Mins)	Sample Volume (liters)	Type of Analysis PCM/TEM	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Results PCM (f/cc)	Results TEM (struc./mm2)
09/12/01	10912/A207001	GREENWICH & CHAMBERS STS.	95	950	PCM & TEM			0.08	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS .	90	900	PCM & TEM			0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD	95	950	PCM & TEM			0.04	157.48
09/12/01	10912/A207004	BROADWAY & WORTH	50	500	PCM & TEM			0.01	44.99
09/12/01	10912/A207005	W. BROADWAY & WORTH	35	350	PCM & TEM			0.01	11.25
09/12/01		FIELD BLANK			PCM	12.7		<LOD	
09/13/01	10913/A207001	MURRAY & CHURCH	25	375	PCM		0.01	0.22	
09/13/01	10913/A207002	FULTON & CHURCH	40	600	PCM		0.01	0.1	
09/13/01	10913/A207003	MURRAY & GREENWICH	40	600	PCM		0.008	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR	30	450	PCM		0.01	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH	30	450	PCM		0.01	<LOQ	
09/14/01	10914/A003001	MURRAY & CHURCH	40	600	PCM		0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH	40	600	PCM		0.007	0.007	
09/14/01	10914/A003003	LIBERTY & CHURCH	40	600	PCM			0.02	
09/14/01	10914/A003004	CEDAR & TRINTY PL	39	585	PCM			0.027	
09/14/01	10914/A003005	1 LIBERTY PLAZA APPROX. 50 FT FROM EXPLOSION (HOT ZONE)	50	750	PCM		0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH 50 FT. FROM EXPLOSION(HOT ZONE)	35	525	PCM			0.009	
09/14/01	10914/A003007	MURRAY & GREENWICH	50	750	PCM		0.006	<LOQ	
09/14/01	10914/A003008	MURRAY BETWEEN BROADWAY & CHURCH	40	600	PCM		0.002	0.002	
09/14/01	10914/A003009	FULTON BETWEEN BROADWAY & CHURCH	30	450	PCM		0.001	<LOQ	
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	65	975	PCM		0.005	0.005	
09/15/01	10915/A307001	MURRAY & CHURCH	35	525	PCM			0.022	
09/15/01	10915/A307002	MURRAY BETWEEN BROADWAY & CHURCH	50	750	PCM			0.024	
09/15/01	10915/A307003	BROADWAY & MURRAY ST	30	450	PCM			0.045	
09/15/01	LAB1#1	FULTON BETWEEN BROADWAY & CHURCH	45	675	PCM			0.035	
09/15/01	LAB1#2	BROADWAY & LIBERTY	50	750	PCM			0.0082	
09/15/01	302-1	FULTON & CHURCH	40	600	PCM			0.034	
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH (HOT ZONE)	40	450	PCM			0.035	
09/15/01	LAB3#1	GREENWICH & PARK PL (HOT ZONE)	30	450	PCM			0.076	
09/15/01	LAB3#2	GREE. "VICH & MURRAY	45	675	PCM			0.031	
09/15/01	LAB3#3	BROADWAY & CEDAR	30	450	PCM			0.033	

NYC-WTC_000148435

NYC 9/11 Public Portal Document

WORLD TRADE CENTER AIR SAMPLING TABLE

Date Sampled	Sample ID	Location Sampled	Duration Sampled (Mins)	Sample Volume (liters)	Type of Analysis PCM/TEM	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Results PCM (f/cc)	Results TEM (struc/mm2)
09/16/01	10916/A207003	MURRAY & CHURCH	30	450	PCM			0.03	
09/16/01	10916/A207004	MURRAY BET WEEN CHURCH & BROADWAY	45	675	PCM			0.05	
09/16/01	10916/A307001	BROADWAY & LIBERTY	35	525	PCM			0.01	
09/16/01	10916/A307002	BROADWAY & CEDAR	40	600	PCM			0.08	
09/16/01	LAB1#1	GREENWICH & MURRAY	45	67[illegible]	PCM			0.013	
09/16/01	LAB1#2	WASHINGTON & PARK PL	30	450	PCM			0.038	
09/16/01	302/001	VESEY BET W.BROADWAY & CHURCH (HOT ZONE)	40	600	PCM			0.024	
09/16/01	302/002	FULTON & CHURCH	40	600	PCM			0.03	
09/16/01	302/003	FULTON BETWEEN BROADWAY & CHURCH	40	600	PCM			0.03	
09/16/01	10916/A207001	CITY HALL , 2ND FL , OUTSIDE JULIE MENDIK'S OFFICE	120	1800	PCM			0.022	
09/16/01	10916/A207002	CITY HALL, 1ST FL, BLUE ROOM	120	1800	PCM			0.011	
09/17/01	LAB3#1	LOBBY - 100 GOLD STREET	60	15	PCM		0.006	0.006	
09/17/01	LAB3#2	9TH FL - 100 GOLD STREET	60	15	PCM		0.006	0.006	
09/17/01	302/001	FULTON & CHURCH	40	600	PCM			0.027	
09/17/01	10917/A307001	BROADWAY & LIBERTY	30	450	PCM			0.062	
09/17/01	LAB3#001	GREENWICH & MURRAY	45	675	PCM			0.012	
09/17/01	LAB1#1	MURRAY & CHURCH	45	675	PCM			0.013	
09/17/01	10917/A100001	LOBBY- 22 RIVER TERRACE	120	1800	PCM		0.004	0.004	
09/17/01	10917/A100002	14TH FL - 22 RIVER TERRACE	120	1800	PCM		0.002	<0.002	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	90	1350	PCM		0.002	<0.002	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	90	1350	PCM			0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	120	1800	PCM			0.014	
09/17/01	302/002	400 CHAMBERS STREET - 9TH FLOOR	120	1800	PCM			0.007	
09/17/01	302/003	W. END OF WARREN STREET	45	675	PCM		0.007	0.007	
09/17/01	302/001	S.W. FULTON / CHURCH	45	675	PCM			0.017	
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	90	1350	PCM		0.006	0.044	
09/18/01	302/002	225 RECTOR PLACE - LOBBY	90	1350	PCM			0.03	
09/18/01	LAB3#1	GREENWICH & MURRAY	30	450	PCM			0.011	
09/18/01	10918/A307001	WARREN & NORTH END AVENUE	45	675	PCM			0.008	
09/18/01	10918/A003001	MURRAY & CHURCH	35	525	PCM			0.018	
09/18/01	10918/A207001	WEST ST & VESEY	40	600	PCM			0.034	
09/18/01	10918/A207002	LIBERTY & CHURCH	30	450	PCM			0.021	

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.013	
09/16/01	LAB1#2	WASHINGTON & PARK PL	AMBIENT	30	450			0.038	
09/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY (HOT ZONE)	AMBIENT	40	600			0.024	
09/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600			0.030	
09/16/01	302/003	FULTON BET WEEN CHURCH & BROADWAY	AMBIENT	40	600			0.030	
09/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800			0.022	
09/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800			0.011	
09/17/01	LAB3#1	100 GOLD STREET - LOBBY	AMBIENT	60	900		0.006	0.006	
09/17/01	LAB3#2	100 GOLD STREET - 9TH FL	AMBIENT	60	900		0.006	0.004	
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600			0.027	
09/17/01	10917/A307001	BROADWAY & LIBERTY ST.	AMBIENT	30	450			0.062	
09/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.012	
09/17/01	LAB1#1	MURRAY & CHURCH ST.	AMBIENT	45	675			0.013	
09/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800			0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 9TH FL.	INDOOR	120	1800		0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350		0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	INDOOR	90	1350			0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800			0.014	
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800			0.007	
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	0.007	
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675			0.017	
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	INDOOR	90	1350			0.044	
09/18/01	302/002	225 RECTOR PL - LOBBY	INDOOR	90	1350			0.030	
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450			0.011	
09/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675			0.008	
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525			0.018	
09/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600			0.034	
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450			0.021	
09/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.007	0.014	
09/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600		0.008	<LOQ	
09/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.007	0.020	
09/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.007	<LOQ	
09/19/01	LAB 3 #2	WARREN ST & WEST ST	AMBIENT	30	450		0.01	0.030	
09/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.01	0.050	
09/19/01	LAB 3 #4	GATEWAY PLAZA PARK AVENUE	AMBIENT	30	450		0.01	0.010	
09/19/01	LAB 3 #5	NORTH END & VESEY ST.	AMBIENT	30	450		0.01	0.010	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148437

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/12/01	10912/A207001	GREENWICH & CHAMBERS ST.	AMBIENT	95	950			0.080	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS ST.	AMBIENT	90	900			0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950			0.040	157.48
09/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500			0.010	44.99
09/12/01	10912/A207005	W.BROADWAY & WORTH ST	AMBIENT	35	350			0.010	11.25
09/12/01		FIELD BLANK	AMBIENT			12.7		<LOD	
09/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.01	0.220	
09/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.01	0.100	
09/13/01	10913/A207003	MURRAY & GREENWICH ST.	AMBIENT	40	600		0.008	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR ST.	AMBIENT	30	450		0.01	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.01	<LOQ	
09/14/01	10914/A003001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH ST.	AMBIENT	40	600		0.007	0.007	
09/14/01	10914/A003003	LIBERTY & CHURCH ST.	AMBIENT	40	600			0.020	
09/14/01	10914/A003004	CEDAR & TRINTY PL	AMBIENT	39	585			0.027	
09/14/01	10914/A003005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION(HOT ZONE)	AMBIENT	50	750		0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH ST.- APPROX. 50 FT. FROM EXPLOSION(HOT ZONE	AMBIENT	35	525			0.009	
09/14/01	10914/A003007	MURRAY & GREENWICH ST.	AMBIENT	50	750		0.006	<LOQ	
09/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	0.002	
09/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450		0.01	<LOQ	
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	0.005	
09/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525			0.022	
09/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750			0.024	
09/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450			0.045	
09/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADW. Y	AMBIENT	45	675			0.035	
09/15/01	LAB1#2	BROADWAY & LIBERTY ST	AMBIENT	50	750			0.008	
09/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600			0.034	
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST.(HOT ZONE)	AMBIENT	40	450			0.035	
09/15/01	LAB3#1	GREENWICH & PARK PL (HOT ZONE)	AMBIENT	30	450			0.076	
09/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675			0.031	
09/15/01	LAB3#3	BROADWAY & CEDAR ST.	AMBIENT	30	450			0.033	
09/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450			0.030	
09/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675			0.050	
09/16/01	10916/A307001	BROADWAY & LIBERTY ST.	AMBIENT	35	525			0.010	
09/16/01	10916/A307002	BROADWAY & CEDAR ST.	AMBIENT	40	600			0.030	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148438

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOD (f/mm2)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/19/01	10919/A307002	N.END AVE & PARK PL WEST	AMBIENT	45	675			0.050	
09/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675			0.012	
09/19/01	10919/A307004	SOUTH END AVENUE & ALBANY ST	AMBIENT	45	675			0.013	
09/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675			0.012	
09/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675		0.007	<LOQ	
09/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675		0.007	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_00014839

Client Name: Riverpoint, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

101171; DEP; Manhattan, NYC / AMBIENT

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm^2)	Fibers Conc. (Fibers/cc)	TWA
14	FB-1	10/5/01	0	0	0	100	0.5	0.64		
	Field Blank								Footnotes:	1
15	FB-2	10/5/01	0	0	0	100	0.5	0.64		
	Field Blank								Footnotes:	1

Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Fred Corinossi ; Date Analyzed: 10/5/01

*NAD/NSD = no asbestos detected; NA = not analyzed; NVLAP Lab #200546-0; New York samples (NYSDOH ELAP Lab # 11480); National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. AIHA # 102243.

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DEP COMMAND CENTER Fax:9177691193 Oct 6 '01 2:11 P.02

OCT 05 2001 20:07 FR SCIENTIFIC LABS

NYC-WTC_00014840

SciLab Job #: 201101536

Client Name: Riverpoint, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

101171; DEP; Manhattan, NYC / AMBIENT

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm^2)	Fibers Conc. (Fibers/cc)	TWA
01	6-10-05 Warren / North End	10/5/01	15	45	675	100	8	10.19	0.006	
02	7-10-5 Warren / West Street	10/5/01	15	45	675	100	10	12.74	0.007	
03	17-10-05 North End / Park	10/5/01	15	45	675	100	5	6.37	<0.004	
04	18-10-05 Vesey / River Ter	10/5/01	15	50	750	100	7	8.92	0.005	
05	15-10-05 Chambers / River Ter	10/5/01	15	45	675	100	11	14.01	0.008	
06	16-10-05 Warren / River Ter	10/5/01	15	45	67[illegible]	100	8	10.19	0.006	
07	14-10-05 Park / River Ter	10/5/01	15	45	675	100	6	7.64	0.004	
08	4-10-05 Greenwich / Murray	10/5/01	15	45	675	100	9	11.46	0.007	
09	2-10-05 Greenwich / Park Pl.	10/5/01	15	45	675	100	12	15.29	0.009	
10	3-10-05 Church / Murray	10/5/01	14.5	45	653	100	10	12.74	0.008	
11	1-10-05 Church / Park Pl.	10/5/01	14.5	45	653	100	9	11.46	0.007	
12	5-10-05 Church / Fulton	10/5/01	14.5	40	580	100	9	11.46	0.008	
13	20-10-05 B'way / Vesey	10/5/01	14.5	40	580	100	8	10.19	0.007	

OCT 05 2001 20:06 FR SCIENTIFIC LABS 2126793114 TO 7326778 P.02/05

DEP COMMAND CENTER Fax:9177691193 Oct 6 '01 2:11 P.03

NYC 9/11 Public Portal Document

NYC-WTC_000148441

P.02/03

2126793114 TO 7326778

OCT 05 2001 19:38 FR SCIENTIFIC LABS

SciLab Job #: 201101535

Client Name: Riverpoint, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

10171; DEP; NYC, Manhattan

LOQ
TWA

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm^2)	Fibers Conc. (Fibers/cc)
01	11-1005 Rector Place	10/5/01	15	50	750	100	5	6.37	< 0.004
02	13-1005 West End West Thomas	10/5/01	15	50	750	100	4	5.10	< 0.004
03	12-1005 3rd Place/ West End/ Water Side	10/5/01	15	50	750	100	3	3.82	< 0.004
04	9-1005 South End Albany	10/5/01	15	50	750	100	3	3.82	< 0.004
05	8-1005 Gateway Plaza (South E J Of Library)	10/5/01	15	50	750	100	4	5.10	< 0.004
06	10-1005 West Of Albany	10/5/01	15	50	750	100	9	11.46	0.006
07	19-1005 Trinity Place & James	10/5/01	15	50	750	100	9	11.46	0.006
08	FB-1A Field Blank	10/5/01	0	0	0	100	0.5	0.64	Footnotes: 1
09	FB-2A Field Blank	10/5/01	0	0	0	100	0.5	0.64	Footnotes: 1

Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Fred Cacioppi LAP LCQ ; Date Analyzed: 10/5/01

*NAD/NSD = no asbestos detected; NA = not analyzed; NVLAP Lab #200546-0, New York samples (NYSDOH ELAP Lab # 11480), National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. AIHA # 102840.

DEP COMMAND CENTER Fax:9177691193 Oct 6 '01 2:12 P.04

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NYC 9/11 Public Portal Document

TO: Commissioner Avallone

FROM: Kim. Hanna.

Data for 10/5/01

NYC-WTC_000148442

NYC-WTC_00014843

SciLab Job #: **201101536**

Client Name: Riverpoint, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

101171; DEP; Manhattan, NYC / AMBIENT

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm^2)	Fibers Conc. (Fibers/cc)	TWA
14	FB-1	10/5/01	0	0	0	100	0.5	0.64		
Field Blank									Footnotes:	J
15	FB-2	10/5/01	0	0	0	100	0.5	0.64		
Field Blank									Footnotes:	J

Reporting Notes:

(J) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Fred Corinzi fred ; Date Analyzed: 10/5/01

*NAD/NSD = no asbestos detected; NA = not analyzed. NVLAP Lab #200546-0, New York samples (NYSDOH ELAP Lab # 11480); National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. AIHA # 80284).

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OCT 05 2001 20:07 EP SCIENTIFIC LABS 2125675114 P.02

NYC-WTC_00014844

2126793114 TO 7326778

OCT 05 2001 20:06 FR SCIENTIFIC LABS

SciLab Job #: 201101536

Client Name: Riverpoint, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

101171; DEP; Manhattan, NYC / AMBIENT

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm^2)	Fibers Conc. (Fibers/cc)	TWA
01	6-10-05 Warren / North End	10/5/01	15	45	675	100	8	10.19	0.006	
02	7-10-5 Warren / West Street	10/5/01	15	45	675	100	10	12.74	0.007	
03	17-10-05 North End / Park	10/5/01	15	45	675	100	5	6.37	< 0.004	
04	18-10-05 Vesey / River Ter	10/5/01	15	50	750	100	7	8.92	0.005	
05	15-10-05 Chambers / River Ter	10/5/01	15	45	675	100	11	14.01	0.008	
06	16-10-05 Warren / River Ter	10/5/01	15	45	675	100	8	10.19	0.006	
07	14-10-05 Park / River Ter	10/5/01	15	45	675	100	6	7.64	0.004	
08	4-10-05 Greenwich / Murray	10/5/01	15	45	675	100	9	11.46	0.007	
09	2-10-05 Greenwich / Park Pl.	10/5/01	15	45	675	100	12	15.29	0.009	
10	3-10-05 Church / Murray	10/5/01	14.5	45	653	100	10	12.74	0.008	
11	1-10-05 Church / Park Pl.	10/5/01	14.5	45	653	100	9	11.46	0.007	
12	5-10-05 Church / Fulton	10/5/01	14.5	40	580	100	9	11.46	0.008	
13	20-10-05 B'way / Vesey	10/5/01	14.5	40	580	100	8	10.19	0.007	

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NYC 9/11 Public Portal Document

NYC-WTC_00014845

2126793114 TO 7326778

OCT 05 2001 19:38 FR SCIENTIFIC LABS

SciLab Job #: 201101535

Client Name: Riverpoint, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

10171; DEP; NYC, Manhattan

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm^2)	Fibers Conc. (Fibers/cc)
01	11-1005 Rector Place	10/5/01	15	50	750	100	5	6.37	< 0.004
02	13-1005 West End West Thomas	10/5/01	15	50	750	100	4	5.10	< 0.004
03	12-1005 3rd Place/ West End/ Water Side	10/5/01	15	50	750	100	3	3.82	< 0.004
04	9-1005 South End Albany	10/5/01	15	50	750	100	3	3.82	< 0.004
05	8-1005 Gateway Plaza (South End Of Library)	10/5/01	15	50	750	100	4	5.10	< 0.004
06	10-1005 West Of Albany	10/5/01	15	50	750	100	9	11.46	0.006
07	19-1005 Trinity Place & James	10/5/01	15	50	750	100	9	11.46	0.006
08	FB-1A Field Blank	10/5/01	0	0	0	100	0.5	0.64	Footnotes: 1
09	FB-2A Field Blank	10/5/01	0	0	0	100	0.5	0.64	Footnotes: 1

Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Fred Carlozzi ____; Date Analyzed 10/5/01

*NAD/NSD = no asbestos detected; NA = not analyzed; NVLAP Lab #200546-0, New York samples (NYSDOH ELAP Lab # 11480), National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. AIHA # 102840.

DEP COMMAND CENTER Fax:9177691193 Oct 6 '01 2:12 P.04

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TO. Commissioner Axelrod
FROM: Kim Hanna

Data for 10/5/01

NYC-WTC_000148446

NYC-WTC_000148447

OCT 05 2001 19:36 FR SCIENTIFIC LABS 2126793114 TO 19146321558 P.02/03

SciLab Job #: 201101535

Client Name: Riverpoint, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

10171; DEP; NYC, Manhattan

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm^2)	Fibers Conc. (Fibers/cc)	TWA
01	11-1005 Rector Place	10/5/01	15	50	750	100	5	6.37	< 0.004	
02	13-1005 West End West Thomas	10/5/01	15	50	750	100	4	5.10	< 0.004	
03	12-1005 3rd Place/ West End/ Water Side	10/5/01	15	50	750	100	3	3.82	< 0.004	
04	9-1005 South End Albany	10/5/01	15	50	750	100	3	3.82	< 0.004	
05	8-1005 Gateway Plaza (South End Of Library)	10/5/01	15	50	750	100	4	5.10	< 0.004	
06	10-1005 West 01 Albany	10/5/01	15	50	750	100	9	11.45	0.006	
07	19-1005 Trinity Place & James	10/5/01	15	50	750	100	9	11.45	0.006	
08	FB-1A Field Blank	10/5/01	0	0	0	100	0.5	0.64	Footnotes: /	
09	FB-2A Field Blank	10/5/01	0	0	0	100	0.5	0.64	Footnotes: /	

Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Fred Cutrossi _____; Date Analyzed: 11/01/01

*NAD/NSD = no asbestos detected; NA = not analyzed; NVLAP Lab #200546-0; New York samples (NYSDOH ELAP Lab # 11480); National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. AIHA # 102843.

NYC 9/11 Public Portal Document

NYC-WTC_00014848

OCT 05 2001 20:04 FR SCIENTIFIC LABS 2126793114 TO 19146321558 P.03/05

SciLab Job #: **201101536**

Client Name: Riverpoint, Inc.

Phase Contrast Microscopy (PCM) Fiber Results

101171; DEP; Manhattan, NYC / AMBIENT

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm^2)	Fibers Conc. (Fibers/cc)	TWA
14	FB-1	10/5/01	0	0	0	100	0.5	0.64		
	Field Blank								Footnotes:	/
15	FB-2	10/5/01	0	0	0	100	0.5	0.64		
	Field Blank								Footnotes:	/

Reporting Notes:

(1) Fibers/cc cannot be calculated for samples (or blanks) with no air volume.

Analyzed by: Fred Corioni ; Date Analyzed: 10/5/01

*NAD/NSD = no asbestos detected; NA = not analyzed; NVLAP Lab #200346-0; New York samples (NYSDOH ELAP Lab # 11480); National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. AIHA # 102843.

NYC 9/11 Public Portal Document

NYC-WTC_00014849

OCT 05 2001 20:04 FR SCIENTIFIC LABS 2126793114 TO 19146321538 P.02/05

SciLab Job #: **201101536**

Client Name: **Riverpoint, Inc.**

Phase Contrast Microscopy (PCM) Fiber Results

101171; DEP; Manhattan, NYC / AMBIENT

SciLab Sample #	Client Sample # / Location	Date Collected	Flow Rate (liters/min.)	Duration (min.)	Air Filtered (liters)	Fields	Fibers	Fiber Density (Fibers/mm^2)	Fibers Conc. (Fibers/cc)	TWA
01	6-10-05 Warren / North End	10/5/01	15	45	675	100	8	10.19	0.006	
02	7-10-5 Warren / West Street	10/5/01	15	45	675	100	10	12.74	0.007	
03	17-10-05 North End / Park	10/5/01	15	45	675	100	5	6.37	< 0.004	
04	18-10-05 Vesey / River Ter	10/5/01	15	50	750	100	7	8.92	0.005	
05	15-10-05 Chambers / River Ter	10/5/01	15	45	675	100	11	14.01	0.008	
06	16-10-05 Warren / River Ter	10/5/01	15	45	675	100	8	10.19	0.006	
07	14-10-05 Park / River Ter	10/5/01	15	45	675	100	6	7.64	0.004	
08	4-10-05 Greenwich / Murray	10/5/01	15	45	675	100	9	11.46	0.007	
09	2-10-05 Greenwich / Park Pl.	10/5/01	15	45	675	100	12	15.29	0.009	
10	3-10-05 Church / Murray	10/5/01	14.5	45	653	100	10	12.74	0.008	
11	1-10-05 Church / Park Pl.	10/5/01	14.5	45	653	100	9	11.46	0.007	
12	5-10-05 Church / Felton	10/5/01	14.5	40	580	100	9	11.46	0.008	
13	20-10-05 B'way / Vesey	10/5/01	14.5	40	580	100	8	10.19	0.007	

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The City of New York

Department of Environmental Protection

59-17 Junction Boulevard
Corona, New York
11368-5107

Joel A. Miele Sr., P.E.
Commissioner

Robert C. Avaltroni
Deputy Commissioner

Bureau of
Environmental Compliance
Tel (718) 595-4418
Fax (718) 595-4422

F A X

TO William Muszynski

FAX # 212-637-5024.

FROM Michael Gilsenan.

 # OF PAGES 6.

TELEPHONE # 718-595-4345.

FAX # 718-595-4544.

COMMENTS:

As per your request.

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP
www.ci.nyc.ny.us/dep
(718) DEP-HELP

NYC-WTC_00014845

NYC 9/11 Public Portal Document

No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
21	10/24/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
22	10/25/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
23	10/26/01	< 13.33 s/sqmm	13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
24	10/27/01	40 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
25	10/28/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
26	10/29/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
27	10/30/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
28	10/31/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
29	11/01/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
30	11/02/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
31	11/03/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
32	11/04/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
33	11/05/01	13.33 s/sqmm	13.33 s/sqmm	26.67 s/sqmm	13.33 s/sqmm
34	11/06/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
35	11/07/01	< 13.33 s/sqmm	< 13.33 s/sqmm	40 s/sqmm	< 13.33 s/sqmm
36	11/08/01	< 13.33 s/sqmm	< 26.67 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
37	11/09/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
38	11/10/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
39	11/11/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
40	11/12/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
41	11/13/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 8.89 s/sqmm
42	11/14/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
43	11/15/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm

NYC-WTC_000148452

NYC 9/11 Public Portal Document

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING **REGULATORY LIMIT 0.01 f/cc & 70 s/sqmm**

No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
1	10/04/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	0.003 f/cc
2	10/05/01	0.004 f/cc	0.003 f/cc	< 0.002 f/cc	< 0.002 f/cc
3	10/06/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
4	10/07/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	.018 f/cc (40 s/sqmm)
5	10/08/01	0.005 f/cc	< 0.002 f/cc	< 0.002 f/cc	0.007 f/cc
6	10/09/01	< 0.002 f/cc	0.004 f/cc	< 0.002 f/cc	0.003 f/cc
7	10/10/01	0.003 f/cc	0.003 f/cc	0.003 f/cc	0.004 f/cc
8	10/11/01	0.003 f/cc	0.003 f/cc	< 0.002 f/cc	0.003 f/cc
9	10/12/01	< 0.002 f/cc	< 0.002 f/cc	0.007 f/cc	0.003 f/cc
10	10/13/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
11	10/14/01	< 0.002 f/cc	< 0.002 f/cc	0.004 f/cc	0.005 f/cc
12	10/15/01	0.005 f/cc	0.003 f/cc	< 0.002 f/cc	< 0.002 f/cc
13	10/16/01	0.004 f/cc	0.002 f/cc	0.003 f/cc	< 0.002 f/cc
14	10/17/01	0.003 f/cc	0.003 f/cc	0.002 f/cc	0.004 f/cc
15	10/18/01	0.004 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
16	10/19/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
17	10/20/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
18	10/21/01	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 sq/mm	< 13.33 s/sqmm
19	10/22/01	13.33 s/sqmm	*< 13.33 s/sqmm	13.33 s/sqmm	< 13.33 s/sqmm
20	10/23/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm

DATE	SITE#	LOCATION	AIR SAMPLE
11/25/01	4	River Terrace and Chambers	<LOQ
11/26/01	4	River Terrace and Chambers	<LOQ
11/27/01	4	River Terrace and Chambers	<LOQ
11/28/01	4	River Terrace and Chambers	0.004
11/29/01	4	River Terrace and Chambers	<LOQ
11/30/01	4	River Terrace and Chambers	<LOQ
12/01/01	4	River Terrace and Chambers	<LOQ
11/25/01	7	Warren and North End	0.006
11/26/01	7	Warren and North End	<LOQ
11/27/01	7	Warren and North End	<LOQ
11/28/01	7	Warren and North End	<LOQ
11/29/01	7	Warren and North End	<LOQ
11/30/01	7	Warren and North End	0.005
12/01/01	7	Warren and North End	<LOQ
11/25/01	8	West Street and Warren	<LOQ
11/26/01	8	West Street and Warren	<LOQ
11/27/01	8	West Street and Warren	<LOQ
11/28/01	8	West Street and Warren	<LOQ
11/29/01	8	West Street and Warren	0.006
11/30/01	8	West Street and Warren	0.007
12/01/01	8	West Street and Warren	<LOQ
11/25/01	9	Park Place and River Terrace	<LOQ
11/26/01	9	Park Place and River Terrace	<LOQ
11/27/01	9	Park Place and River Terrace	<LOQ
11/28/01	9	Park Place and River Terrace	<LOQ
11/29/01	9	Park Place and River Terrace	<LOQ
11/30/01	9	Park Place and River Terrace	<LOQ
12/01/01	9	Park Place and River Terrace	<LOQ
11/25/01	10	North End and Park Place	<LOQ
11/26/01	10	North End and Park Place	<LOQ
11/27/01	10	North End and Park Place	<LOQ
11/28/01	10	North End and Park Place	<LOQ
11/29/01	10	North End and Park Place	<LOQ
11/30/01	10	North End and Park Place	<LOQ
12/01/01	10	North End and Park Place	0.004
11/25/01	11	Murray & Greenwich	0.005
11/26/01	11	Murray & Greenwich	0.004
11/27/01	11	Murray & Greenwich	<LOQ
11/28/01	11	Murray & Greenwich	<LOQ
11/29/01	11	Murray & Greenwich	<LOQ
11/30/01	11	Murray & Greenwich	0.006
12/01/01	11	Murray & Greenwich	0.008
11/25/01	12	Murray and Church	0.005
11/26/01	12	Murray and Church	<LOQ
11/27/01	12	Murray and Church	0.005
11/28/01	12	Murray and Church	<LOQ
11/29/01	12	Murray and Church	0.005
11/30/01	12	Murray and Church	0.005

12/01/01	12	Murray and Church	<LOQ
11/25/01	15	Park Place and Greenwich	<LOQ
11/26/01	15	Park Place and Greenwich	<LOQ
11/27/01	15	Park Place and Greenwich	<LOQ
11/28/01	15	Park Place and Greenwich	0.004
11/29/01	15	Park Place and Greenwich	0.005
11/30/01	15	Park Place and Greenwich	0.005
12/01/01	15	Park Place and Greenwich	0.007
11/25/01	16	Park Place and Church	0.005
11/26/01	16	Park Place and Church	0.005
11/27/01	16	Park Place and Church	0.006
11/28/01	16	Park Place and Church	0.007
11/29/01	16	Park Place and Church	0.005
11/30/01	16	Park Place and Church	0.007
12/01/01	16	Park Place and Church	0.006
11/25/01	17	Vesey and River Terrace	<LOQ
11/26/01	17	Vesey and River Terrace	<LOQ
11/27/01	17	Vesey and River Terrace	<LOQ
11/28/01	17	Vesey and River Terrace	<LOQ
11/29/01	17	Vesey and River Terrace	<LOQ
11/30/01	17	Vesey and River Terrace	<LOQ
12/01/01	17	Vesey and River Terrace	<LOQ
11/25/01	21	Fulton and Church	<LOQ
11/26/01	21	Fulton and Church	0.004
11/27/01	21	Fulton and Church	<LOQ
11/28/01	21	Fulton and Church	0.004
11/29/01	21	Fulton and Church	<LOQ
11/30/01	21	Fulton and Church	0.007
12/01/01	21	Fulton and Church	<LOQ
11/25/01	27	Gateway Plaza	0.005
11/26/01	27	Gateway Plaza	<LOQ
11/27/01	27	Gateway Plaza	0.004
11/28/01	27	Gateway Plaza	<LOQ
11/29/01	27	Gateway Plaza	0.004
11/30/01	27	Gateway Plaza	<LOQ
12/01/01	27	Gateway Plaza	<LOQ
11/25/01	29	Trinity Place and Thames	<LOQ
11/26/01	29	Trinity Place and Thames	<LOQ
11/27/01	29	Trinity Place and Thames	0.005
11/28/01	29	Trinity Place and Thames	0.006
11/29/01	29	Trinity Place and Thames	0.005
11/30/01	29	Trinity Place and Thames	<LOQ
12/01/01	29	Trinity Place and Thames	<LOQ
11/25/01	31	South End Avenue and Albany	<LOQ
11/26/01	31	South End Avenue and Albany	<LOQ
11/27/01	31	South End Avenue and Albany	<LOQ
11/28/01	31	South End Avenue and Albany	<LOQ
11/29/01	31	South End Avenue and Albany	<LOQ
11/30/01	31	South End Avenue and Albany	<LOQ

12/01/01	31	South End Avenue and Albany	<LOQ
11/25/01	32	West and Albany	<LOQ
11/26/01	32	West and Albany	<LOQ
11/27/01	32	West and Albany	<LOQ
11/28/01	32	West and Albany	<LOQ
11/29/01	32	West and Albany	0.006
11/30/01	32	West and Albany	<LOQ
12/01/01	32	West and Albany	<LOQ
11/25/01	34	West end of West Thames	<LOQ
11/26/01	34	West end of West Thames	0.005
11/27/01	34	West end of West Thames	<LOQ
11/28/01	34	West end of West Thames	<LOQ
11/29/01	34	West end of West Thames	<LOQ
11/30/01	34	West end of West Thames	0.005
12/01/01	34	West end of West Thames	<LOQ
11/25/01	37	3rd Place and West End and Waterside	<LOQ
11/26/01	37	3rd Place and West End and Waterside	<LOQ
11/27/01	37	3rd Place and West End and Waterside	<LOQ
11/28/01	37	3rd Place and West End and Waterside	<LOQ
11/29/01	37	3rd Place and West End and Waterside	0.005
11/30/01	37	3rd Place and West End and Waterside	<LOQ
12/01/01	37	3rd Place and West End and Waterside	<LOQ
11/25/01	20A	Vesey and West Broadway	0.004
11/26/01	20A	Vesey and West Broadway	0.006
11/27/01	20A	Vesey and West Broadway	0.007
11/28/01	20A	Vesey and West Broadway	<LOQ
11/29/01	20A	Vesey and West Broadway	0.004
11/30/01	20A	Vesey and West Broadway	0.006
12/01/01	20A	Vesey and West Broadway	0.005
11/25/01	33A	Rector Place by park	<LOQ
11/26/01	33A	Rector Place by park	<LOQ
11/27/01	33A	Rector Place by park	<LOQ
11/28/01	33A	Rector Place by park	<LOQ
11/29/01	33A	Rector Place by park	0.008
11/30/01	33A	Rector Place by park	<LOQ
12/01/01	33A	Rector Place by park	<LOQ
11/25/01	6A	River Terrace and Warren	<LOQ
11/26/01	6A	River Terrace and Warren	0.004
11/27/01	6A	River Terrace and Warren	<LOQ
11/28/01	6A	River Terrace and Warren	<LOQ
11/29/01	6A	River Terrace and Warren	<LOQ
11/30/01	6A	River Terrace and Warren	0.005
12/01/01	6A	River Terrace and Warren	<LOQ

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NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING

REGULATORY LIMIT 0.01 f/cc

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
1	09/14/01	0.003 f/cc	NA	< 0.001 f/cc	0.002 f/cc	0.005 f/cc
2	09/14/01	0.003 f/cc	NA	0.002 f/cc	0.002 f/cc	0.004 f/cc
3	09/15/01	< 0.001 f/cc	0.003 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
4	09/15/01	< 0.001 f/cc	0.003 f/cc	0.003 f/cc	0.002 f/cc	< 0.001 f/cc
5	09/15/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
6	09/16/01	0.006 f/cc	< 0.001 f/cc	0.008 f/cc	0.002 f/cc	0.003 f/cc
7	09/16/01	0.004 f/cc	0.003 f/cc	0.002 f/cc	0.003 f/cc	0.002 f/cc
8	09/16/01	0.002 f/cc	< 0.001 f/cc	0.004 f/cc	< 0.001 f/cc	< 0.001 f/cc
9	09/16/01	NA	NA	0.006 f/cc	NA	NA
10	09/17/01	0.002 f/cc	0.002 f/cc	< 0.001 f/cc	0.002 f/cc	0.002 f/cc
11	09/17/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc
12	09/17/01	0.002 f/cc	< 0.001 f/cc	0.001 f/cc	0.002 f/cc	0.003 f/cc
13	09/18/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
14	09/18/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
15	09/18/01	< 0.001 f/cc	< 0.001 f/cc	0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
16	09/19/01	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
17	09/19/01	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
18	09/19/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
19	09/20/01	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.003 f/cc

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NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING

REGULATORY LIMIT 0.01 f/cc

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
20	09/20/01	0.002 f/cc	0.003 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
21	09/20/01	< 0.001 f/cc	Rain	Rain	< 0.001 f/cc	Rain
22	09/21/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
23	09/21/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
24	09/21/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
25	09/22/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
26	09/22/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
27	09/22/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
28	09/23/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
29	09/23/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
30	09/23/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
31	09/24/01	< 0.001 f/cc	< 0.001 f/cc	0.006 f/cc	< 0.001 f/cc	< 0.001 f/cc
32	09/24/01	< 0.001 f/cc	< 0.001 f/cc	0.008 f/cc	0.002 f/cc	0.002 f/cc
33	09/24/01	0.002 f/cc	< 0.001 f/cc	0.006 f/cc	< 0.001 f/cc	< 0.001 f/cc
34	09/25/01	< 0.001 f/cc	< 0.001 f/cc	< 20 S/sq mm	< 0.001 f/cc	0.007 f/cc
35	09/25/01	0.002 f/cc	0.004 f/cc	< 20 S/sq mm	< 0.001 f/cc	0.006 f/cc
36	09/25/01	0.002 f/cc	Rain	< 20 S/sq mm	< 0.001 f/cc	0.003 f/cc
37	09/26/01	0.002 f/cc	< 0.001 f/cc	< 20 S/sq mm	< 0.001 f/cc	< 0.001 f/cc
38	09/26/01	< 0.001 f/cc	< 0.001 f/cc	< 20 S/sq mm	< 0.001 f/cc	< 0.001 f/cc

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NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING

REGULATORY LIMIT 0.01 f/cc

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
39	09/26/01	0.002 f/cc	0.002 f/cc	< 20 S/sq mm	< 0.001 f/cc	< 0.001 f/cc
40	09/27/01	< 0.001 f/cc		< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
41	09/27/01	< 0.001 f/cc		< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
42	09/27/01	< 0.001 f/cc		NA	< 0.001 f/cc	< 0.001 f/cc
43	09/28/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc
44	09/28/01	0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc
45	09/28/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	0.002 f/cc
46	09/29/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
47	09/29/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
48	09/29/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
49	09/30/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
50	09/30/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
51	09/30/01	< 0.001 f/cc	NA	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
52	10/01/01	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
53	10/01/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
54	10/01/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
55	10/02/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
56	10/02/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
57	10/02/01	0.001 f/cc	< 0.001 f/cc	0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc

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NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING

REGULATORY LIMIT 0.01 f/cc

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
58	10/03/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc
59	10/03/01		< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
60	10/03/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
61	10/04/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
62	10/04/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
63	10/04/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
64	10/05/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	0.002 f/cc
65	10/05/01	< 0.001 f/cc	< 0.001 f/cc	0.001 f/cc	< 0.001 f/cc	0.002 f/cc
66	10/05/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc
67	10/06/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
68	10/06/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
69	10/06/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
70	10/07/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
71	10/07/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
72	10/07/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
73	10/08/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
74	10/08/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	Filter Damaged
75	10/08/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
76	10/09/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc

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NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING **REGULATORY LIMIT 0.01 f/cc**

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
77	10/09/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
78	10/09/01	< 0.001 f/cc	< 0.001 f/cc	0.003 f/cc	< 0.001 f/cc	< 0.001 f/cc
79	10/10/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
80	10/10/01	< 0.001 f/cc	< 0.001 f/cc	0.001 f/cc	0.002 f/cc	< 0.001 f/cc
81	10/10/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	0.002 f/cc

*** TEM Analysis Requested**

NYC-WTC_00014861

NYC DEP BANHazmat Exec Fax:7185953744 Oct 9 '01 9:59 P.01

NYC 9/11 Public Portal Document

NYC Department of Environmental Protection

Bureau of Environmental Compliance

Results of Asbestos Air Monitoring

Date	PS314K 330 59th Street, Bk	IS155X Jackson & E. 48 St,Bx	PS64M 600 East 6th St., Mn	PS199Q 30-20 48th St., Qn	Susan Wagner H.S. 1200 Manor Road, SI
10/5/01	<0.001 f/cc	<0.001 f/cc	0.002 f/cc	<0.001 f/cc	0 002 f/cc
	<0.001 f/cc	<0.001 f/cc	0.001 f/cc	<0.001 f/cc	0.002 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	0.002 f/cc	<0.001 f/cc
10/6/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
10/7/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
10/8/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	Filter damaged
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc

Date	High School for Economics & Finance 100 Trinity Place, Mn	IS/PS 234 292 Greenwich St., Mn	Stuyvesant High School 345 Chambers St., Mn	IS 89 201 Warren St., Mn
10/5/01	0.004 f/cc	0.003 f/cc	<0.002 f/cc	<0.002 f/cc
10/6/01	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc
10/7/01	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc	.018 f/cc */ 40 s/mm^2
10/8/01	0.005 f/cc	<0.002 f/cc	<0.002 f/cc	.007 f/cc

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NYC 9/11 Public Portal Document

NYC Department of Environmental Protection

Bureau of Environmental Compliance

Results of Asbestos Air Monitoring

Date	PS314K 330 59th Street, Bk	IS155X Jackson & E. 48 St,Bx	PS64M 600 East 6th St., Mn	PS199Q 30-20 48th St., Qn	Susan Wagner H.S. 1200 Manor Road, SI
10/5/01	<0.001 f/cc	<0.001 f/cc	0.002 f/cc	<0.001 f/cc	0 002 f/cc
	<0.001 f/cc	<0.001 f/cc	0.001 f/cc	<0.001 f/cc	0.002 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	0.002 f/cc	<0.001 f/cc
10/6/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
10/7/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
10/8/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	Filter damaged
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc

Date	High School for Economics & Finance 100 Trinity Place, Mn	IS/PS 234 292 Greenwich St., Mn	Stuyvesant High School 345 Chambers St., Mn	IS 89 201 Warren St., Mn
10/5/01	0.004 f/cc	0.003 f/cc	<0.002 f/cc	<0.002 f/cc
10/6/01	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc
10/7/01	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc	.018 f/cc */ 40 s/mm^2
10/8/01	0.005 f/cc	<0.002 f/cc	<0.002 f/cc	.007 f/cc

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NYC 9/11 Public Portal Document

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING **REGULATORY LIMIT 0.01 f/cc**

No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warre St.
1	10/04/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	0.003 f/c
2	10/05/01	0.004 f/cc	0.003 f/cc	< 0.002 f/cc	< 0.002 f/cc
3	10/06/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
4	10/07/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	.018 f/cc */40 s/mm^2
5	10/08/01	0.005 f/cc	< 0.002 f/cc	< 0.002 f/cc	.007 f/cc
6	10/09/01	< 0.002 f/cc	0.004 f/cc	< 0.002 f/cc	0.003 f/cc
7	10/10/01	0.003 f/cc		0.003 f/cc	0.004 f/cc

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NYC 9/11 Public Portal Document

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
1	09/14/01	0.003 f/cc	NA	< 0.001 f/cc	0.002 f/cc	0.005 f/cc
2	09/14/01	0.003 f/cc	NA	0.002 f/cc	0.002 f/cc	0.004 f/cc
3	09/15/01	< 0.001 f/cc	0.003 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
4	09/15/01	< 0.001 f/cc	0.003 f/cc	0.003 f/cc	0.002 f/cc	< 0.001 f/cc
5	09/15/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
6	09/16/01	0.006 f/cc	< 0.001 f/cc	0.008 f/cc	0.002 f/cc	0.003 f/cc
7	09/16/01	0.004 f/cc	0.003 f/cc	0.002 f/cc	0.003 f/cc	0.002 f/cc
8	09/16/01	0.002 f/cc	< 0.001 f/cc	0.004 f/cc	< 0.001 f/cc	< 0.001 f/cc
9	09/16/01	NA	NA	0.006 f/cc	NA	NA
		REGULATORY LIMIT 0.01 f/cc				

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NYC 9/11 Public Portal Document

NYC Department of Environmental Protection

Bureau of Environmental Compliance

Results of Asbestos Air Monitoring

Date	PS314K 330 59th Street, Bk	IS155X Jackson & E. 48 St,Bx	PS64M 600 East 6th St., Mn	PS199Q 30-20 48th St., Qn	Susan Wagner H.S. 1200 Manor Road, SI
10/5/01	<0.001 f/cc	<0.001 f/cc	0.002 f/cc	<0.001 f/cc	0.002 f/cc
	<0.001 f/cc	<0.001 f/cc	0.001 f/cc	<0.001 f/cc	0.002 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	0.002 f/cc	<0.001 f/cc
10/6/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
10/7/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
10/8/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	Filter damaged
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc

Date	High School for Economics & Finance 100 Trinity Place, Mn	IS/PS 234 292 Greenwich St., Mn	Stuyvesant High School 345 Chambers St., Mn	IS 89 201 Warren St., Mn
10/5/01	0.004 f/cc	0.003 f/cc	<0.002 f/cc	<0.002 f/cc
10/6/01	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc
10/7/01	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc	.018 f/cc */ 40 s/mm^2
10/8/01	0.005 f/cc	<0.002 f/cc	<0.002 f/cc	.007 f/cc

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NYC 9/11 Public Portal Document

NYC Department of Environmental Protection

Bureau of Environmental Compliance

Results of Asbestos Air Monitoring

Date	PS314K 330 59th Street, Bk	IS155X Jackson & E. 48 St,Bx	PS64M 600 East 6th St., Mn	PS199Q 30-20 48th St., Qn	Susan Wagner H.S. 1200 Manor Road, SI
10/5/01	<0.001 f/cc	<0.001 f/cc	0.002 f/cc	<0.001 f/cc	0.002 f/cc
	<0.001 f/cc	<0.001 f/cc	0.001 f/cc	<0.001 f/cc	0.002 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	0.002 f/cc	<0.001 f/cc
10/6/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
10/7/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
10/8/01	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	Filter damaged
	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc	<0.001 f/cc

Date	High School for Economics & Finance 100 Trinity Place, Mn	IS/PS 234 292 Greenwich St., Mn	Stuyvesant High School 345 Chambers St., Mn	IS 89 201 Warren St., Mn
10/5/01	0.004 f/cc	0.003 f/cc	<0.002 f/cc	<0.002 f/cc
10/6/01	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc
10/7/01	<0.002 f/cc	<0.002 f/cc	<0.002 f/cc	018 f/cc */ 40 s/mm^2
10/8/01	0.005 f/cc	<0.002 f/cc	<0.002 f/cc	.007 f/cc

NYC 9/11 Public Portal Document

AIR/ASBESTOS
Reports

ALSO SEE:
SCHOOLS

NYC-WTC_000148468

NYC 9/11 Public Portal Document

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING **REGULATORY LIMIT 0.01 f/cc & 70 s/sqmm**

No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
1	10/04/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	0.003 f/cc
2	10/05/01	0.004 f/cc	0.003 f/cc	< 0.002 f/cc	< 0.002 f/cc
3	10/06/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
4	10/07/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	.018 f/cc (40 s/sqmm)
5	10/08/01	0.005 f/cc	< 0.002 f/cc	< 0.002 f/cc	0.007 f/cc
6	10/09/01	< 0.002 f/cc	0.004 f/cc	< 0.002 f/cc	0.003 f/cc
7	10/10/01	0.003 f/cc	0.003 f/cc	0.003 f/cc	0.004 f/cc
8	10/11/01	0.003 f/cc	0.003 f/cc	< 0.002 f/cc	0.003 f/cc
9	10/12/01	< 0.002 f/cc	< 0.002 f/cc	0.007 f/cc	0.003 f/cc
10	10/13/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
11	10/14/01	< 0.002 f/cc	< 0.002 f/cc	0.004 f/cc	0.005 f/cc
12	10/15/01	0.005 f/cc	0.003 f/cc	< 0.002 f/cc	< 0.002 f/cc
13	10/16/01	0.004 f/cc	0.002 f/cc	0.003 f/cc	< 0.002 f/cc
14	10/17/01	0.003 f/cc	0.003 f/cc	0.002 f/cc	0.004 f/cc
15	10/18/01	0.004 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
16	10/19/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
17	10/20/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
18	10/21/01	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 sq/mm	< 13.33 s/sqmm
19	10/22/01	13.33 s/sqmm	*< 13.33 s/sqmm	13.33 s/sqmm	< 13.33 s/sqmm
20	10/23/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm

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No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
21	10/24/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
22	10/25/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
23	10/26/01	< 13.33 s/sqmm	13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
24	10/27/01	40 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
25	10/28/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
26	10/29/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
27	10/30/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
28	10/31/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
29	11/01/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
30	11/02/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
31	11/03/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
32	11/04/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
33	11/05/01	13.33 s/sqmm	13.33 s/sqmm	26.67 s/sqmm	13.33 s/sqmm
34	11/06/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
35	11/07/01	< 13.33 s/sqmm	< 13.33 s/sqmm	40 s/sqmm	< 13.33 s/sqmm
36	11/08/01	< 13.33 s/sqmm	< 26.67 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
37	11/09/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
38	11/10/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
39	11/11/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
40	11/12/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
41	11/13/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 8.89 s/sqmm
42	11/14/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
43	11/15/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm

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No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
44	11/16/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
45	11/17/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
46	11/18/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
47	11/19/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
48	11/20/01	< 13.33 s/sqmm	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
49	11/21/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
50	11/22/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
51	11/23/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	28.67 s/sqmm
52	11/24/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
53	11/25/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
54	11/26/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
55	11/27/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
56	11/28/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
57	11/29/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
58	11/30/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
59	12/01/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
60	12/02/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
61	12/03/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
62	12/04/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
63	12/05/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
64	12/06/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
65	12/07/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
66	12/08/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 8.89 s/sqmm

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No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
67	12/09/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
68	12/10/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
69	12/11/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
70	12/12/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
71	12/13/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
72	12/14/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
73	12/15/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
74	12/16/01	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm	13.33 s/sqmm
75	12/17/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
76	12/18/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
77	12/19/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
78	12/20/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
79	12/21/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
80	12/22/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
81	12/23/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
82	12/24/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
83	12/25/01	< 13.33 s/sqmm	< 15.15 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
84	12/26/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
85	12/27/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
86	12/28/01	< 16.00 s/sqmm	< 16.00 s/sqmm	< 16.00 s/sqmm	< 16.00 s/sqmm
87	12/29/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
88	12/30/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
89	12/31/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm

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No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
90	01/01/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
91	01/02/02	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
92	01/03/02	26.67 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	26.67 s/sqmm
93	01/04/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
94	01/05/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
95	01/06/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
96	01/07/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
97	01/08/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
98	01/09/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
99	01/10/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
100	01/11/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
101	01/12/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
102	01/13/02	< 14.3 s/sqmm	< 14.3 s/sqmm	14.3 s/sqmm	28.6 s/sqmm
103	01/14/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
104	01/15/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
105	01/16/02	< 14.3 s/sqmm	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
106	01/17/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
107	01/18/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
108	01/19/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
109	01/20/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
110	01/21/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
111	01/22/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
112	01/23/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm

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No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
113	01/24/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
114	01/25/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
115	01/26/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
116	01/27/02	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
117	01/28/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
118	01/29/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
119	01/30/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
120	01/31/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
121	02/01/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
122	02/02/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
123	02/03/02	< 14.3 s/sqmm	28.6 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
124	02/04/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
125	02/05/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
126	02/06/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
127	02/07/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
128	02/08/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
129	02/09/02	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
130	02/10/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
131	02/11/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
132	02/12/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
133	02/13/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
134	02/14/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
135	02/15/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm

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No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
136	02/16/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
137	02/17/02	< 14.3 s/sqmm	< 14.3 s/sqmm	14.3 s/sqmm	< 14.3 s/sqmm
138	02/18/02	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
139	02/19/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
140	02/20/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
141	02/21/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
142	02/22/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
143	02/23/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
144	02/24/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
145	02/25/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
146	02/26/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
147	02/27/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
148	02/28/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
149	03/01/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
150	03/02/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
151	03/03/02	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
152	03/04/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
153	03/05/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
154	03/06/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
155	03/07/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
156	03/08/02	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
157	03/09/03	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
158	03/10/02	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm

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No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
159	03/11/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
160	03/12/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
161	03/13/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
162	03/14/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
163	03/15/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
164	03/16/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
165	03/17/02	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
166	03/18/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
167	03/19/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm

Total Volume= 1200 liters Sampling Time= 8hrs.

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No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
44	11/16/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
45	11/17/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
46	11/18/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
47	11/19/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
48	11/20/01	< 13.33 s/sqmm	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
49	11/21/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
50	11/22/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
51	11/23/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	28.67 s/sqmm
52	11/24/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
53	11/25/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
54	11/26/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
55	11/27/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
56	11/28/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
57	11/29/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
58	11/30/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
59	12/01/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
60	12/02/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm

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NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING

REGULATORY LIMIT 0.01 f/cc

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
1	09/14/01	0.003 f/cc	NA	< 0.001 f/cc	0.002 f/cc	0.005 f/cc
2	09/14/01	0.003 f/cc	NA	0.002 f/cc	0.002 f/cc	0.004 f/cc
3	09/15/01	< 0.001 f/cc	0.003 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
4	09/15/01	< 0.001 f/cc	0.003 f/cc	0.003 f/cc	0.002 f/cc	< 0.001 f/cc
5	09/15/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
6	09/16/01	0.006 f/cc	< 0.001 f/cc	0.008 f/cc	0.002 f/cc	0.003 f/cc
7	09/16/01	0.004 f/cc	0.003 f/cc	0.002 f/cc	0.003 f/cc	0.002 f/cc
8	09/16/01	0.002 f/cc	< 0.001 f/cc	0.004 f/cc	< 0.001 f/cc	< 0.001 f/cc
9	09/16/01	NA	NA	0.006 f/cc	NA	NA
10	09/17/01	0.002 f/cc	0.002 f/cc	< 0.001 f/cc	0.002 f/cc	0.002 f/cc
11	09/17/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc
12	09/17/01	0.002 f/cc	< 0.001 f/cc	0.001 f/cc	0.002 f/cc	0.003 f/cc
13	09/18/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
14	09/18/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
15	09/18/01	< 0.001 f/cc	< 0.001 f/cc	0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
16	09/19/01	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
17	09/19/01	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
18	09/19/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
19	09/20/01	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.003 f/cc

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NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING

REGULATORY LIMIT 0.01 f/cc

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
20	09/20/01	0.002 f/cc	0.003 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
21	09/20/01	< 0.001 f/cc	Rain	Rain	< 0.001 f/cc	Rain
22	09/21/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
23	09/21/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
24	09/21/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
25	09/22/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
26	09/22/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
27	09/22/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
28	09/23/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
29	09/23/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
30	09/23/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
31	09/24/01	< 0.001 f/cc	< 0.001 f/cc	0.006 f/cc	< 0.001 f/cc	< 0.001 f/cc
32	09/24/01	< 0.001 f/cc	< 0.001 f/cc	0.008 f/cc	0.002 f/cc	0.002 f/cc
33	09/24/01	0.002 f/cc	< 0.001 f/cc	0.006 f/cc	< 0.001 f/cc	< 0.001 f/cc
34	09/25/01	< 0.001 f/cc	< 0.001 f/cc	< 20 S/sq mm	< 0.001 f/cc	0.007 f/cc
35	09/25/01	0.002 f/cc	0.004 f/cc	< 20 S/sq mm	< 0.001 f/cc	0.006 f/cc
36	09/25/01	0.002 f/cc	Rain	< 20 S/sq mm	< 0.001 f/cc	0.003 f/cc
37	09/26/01	0.002 f/cc	< 0.001 f/cc	< 20 S/sq mm	< 0.001 f/cc	< 0.001 f/cc
38	09/26/01	< 0.001 f/cc	< 0.001 f/cc	< 20 S/sq mm	< 0.001 f/cc	< 0.001 f/cc

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NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING

REGULATORY LIMIT 0.01 f/cc

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
39	09/26/01	0.002 f/cc	0.002 f/cc	< 20 S/sq mm	< 0.001 f/cc	< 0.001 f/cc
40	09/27/01	< 0.001 f/cc		< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
41	09/27/01	< 0.001 f/cc		< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
42	09/27/01	< 0.001 f/cc		NA	< 0.001 f/cc	< 0.001 f/cc
43	09/28/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc
44	09/28/01	0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc
45	09/28/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	0.002 f/cc
46	09/29/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
47	09/29/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
48	09/29/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
49	09/30/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
50	09/30/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
51	09/30/01	< 0.001 f/cc	NA	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
52	10/01/01	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
53	10/01/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
54	10/01/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
55	10/02/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
56	10/02/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
57	10/02/01	0.001 f/cc	< 0.001 f/cc	0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc

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NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING **REGULATORY LIMIT 0.01 f/cc**

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
58	10/03/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc
59	10/03/01		< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
60	10/03/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
61	10/04/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
62	10/04/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
63	10/04/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
64	10/05/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	0.002 f/cc
65	10/05/01	< 0.001 f/cc	< 0.001 f/cc	0.001 f/cc	< 0.001 f/cc	0.002 f/cc
66	10/05/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc
67	10/06/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
68	10/06/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
69	10/06/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
70	10/07/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
71	10/07/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
72	10/07/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
73	10/08/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
74	10/08/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	Filter Damaged
75	10/08/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
76	10/09/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc

NYC-WTC_000148481

NYC 9/11 Public Portal Document

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING

REGULATORY LIMIT 0.01 f/cc

No	Date	PS 314K 330 59th Street, Bk	IS 155 Jackson & E 148, BX	PS 64 600 East 6th Street, MN	PS 199 30-20 48th Street, Qn	Susan Wagner H. S. 1200 Manor Road, SI
77	10/09/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	< 0.001 f/cc
78	10/09/01	< 0.001 f/cc	< 0.001 f/cc	0.003 f/cc	< 0.001 f/cc	< 0.001 f/cc
79	10/10/01	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc	< 0.001 f/cc
80	10/10/01	< 0.001 f/cc	< 0.001 f/cc	0.001 f/cc	0.002 f/cc	< 0.001 f/cc
81	10/10/01	< 0.001 f/cc	< 0.001 f/cc	0.002 f/cc	< 0.001 f/cc	0.002 f/cc

*** TEM Analysis Requested**

NYC-WTC_000148482

NYC 9/11 Public Portal Document

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF ENVIRONMENTAL COMPLIANCE

RESULTS OF ASBESTOS AIR MONITORING **REGULATORY LIMIT 0.01 f/cc**

No	Date	H.S. E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S. 89 201 Warren St.
1	10/04/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	0.003 f/cc
2	10/05/01	0.004 f/cc	0.003 f/cc	< 0.002 f/cc	< 0.002 f/cc
3	10/06/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
4	10/07/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	.018 f/cc */40 s/mm^2
5	10/08/01	0.005 f/cc	< 0.002 f/cc	< 0.002 f/cc	.007 f/cc
6	10/09/01	< 0.002 f/cc	0.004 f/cc	< 0.002 f/cc	0.003 f/cc
7	10/10/01	0.003 f/cc		0.003 f/cc	0.004 f/cc

NYC 9/11 Public Portal Document

D.C. Robert Avaltroni Dec 03 01 10:27

Transmit Confirmation Report

No.	:	001
Receiver	:	912126375024
Transmitter	:	D.C. Robert Avaltroni
Date	:	Dec 03 01 10:27
Time	:	03'09
Mode	:	Norm
Pages	:	06
Result	:	OK

Angela Carpenter
212 637-5003

10/4 - 3/9/02

Maldonado, Jane
To: jladuca@nysnet.net
Subject: Air monitoring file

Krish Radhakrishnan requested that I forward to you.



air.xls

NYC 9/11 Public Portal Document

9/27/01

#3.

Park Place & Church 0.050

Church & Murray 0.016

Greenwich & Park Pl 0.014

Greenwich & Murray 0.008

NYC 9/11 Public Portal Document

ROBERT C. AVALTRONI, DEPUTY COMMISSIONER
BUREAU OF AIR, NOISE, & HAZARDOUS MATERIALS
59-17 Junction Blvd., 11th floor
Corona, New York 11368-5107
(718) 595-4418
FAX (718) 595-4544

Kim
Hanna

Lab results 9/18

Warren + North End S/E corner (close to G.Z.) 0.008

West Street + Vesey N/W corner (Ground Zero) .034

Perimeter samples

Murray + Greenwich .011

Liberty + Church .021

Fulton + Church S/W corner .027

Murray + Church S/E corner .018

Building

225 Rector Place
11th Floor .044
Lobby .03

NYC-WTC_000148486

Subj: **(no subject)**
Date: 10/6/2001 9:49:50 PM Eastern Daylight Time
From: BOBRAKATE
To: AuntRocca, GaspOpus, johnla@dep.nyc.gov
To: barbarar@dep.nyc.gov, gerryk@dep.nyc.gov

Saturday, October 6, 2001: Daily Update

Results of AirTesting:
Site #
12 Murray/Church= .007
11 Greenwich/Murray= .006
21 Fulton/Church = .007
7 Warren/North End Ave = .004
16 Park Place& Church = .006
29 Trinity Placeand Thames = .007
15 Park Place& Greenwich = .004
6A River Terrace & Warren = <LOQ

South Side BatteryPark City
Site #

27 NW GatewayPlaza = .004
31 South End Ave& Albany = .006
32 West &Albany = .006
33A Rector Place =.006
37 3td Place& Battery Park = .005
34 West Thamesby Water = .005

North SideBattery Park City
Site #
4 Chambers& River Terrace = <LOQ
9 RiverTerrace & Park Place West = <LOQ
10 North End Ave& Park Place West = .004
8 West Street& Warren = .005
17 Vesey &River Terrace = .005
20 ? Vesey& Church = .015

NYC 9/11 Public Portal Document

HAZMAT TESTING AT GROUND ZERO

VOCS	Carbon Monoxide Chlorine Gas Ammonia Hydrogen Cyanide Freon Combustible Gas Hydrogen Sulfide Natural Gas
Transformers tested	PCP samples less than 1 ppm

Flame ionization detector/photo ionization detector

NYC-WTC_00014889 P.01 Sep 21 '01 16:45 D.O.H. GOV'T AFFAIRS Fax:212-349-0040

NYC 9/11 Public Portal Document

Gerry
718 595 1544

Environmental Monitoring Update
Data reported to NYC DOH 9/20/01 as of 4 pm

Asbestos

Ambient air monitoring

Agency	Date	Location	N samples	N above 0.01 fibers/cc*	N above OSHA PEL@	Maximum (fibers/cc)	Comment
USEPA (rounds 8 and 9)	9/18/01	Hot zone, close in	11	2	0	0.047	Highest levels at Albany a Greenwich and Liberty and South End, TEM was <0.0
	9/18/01	Hot zone, perimeter	7	0	0	0.042	Max was at Wall and Broac TEM was <0.008
	9/18/01	Nearby neighborhood to Hot zone	4	0	0	0.018	
	9/19/01	Fresh kills	18	2	0	0.029	Both samples above 0.01 at screening OPS (site)

* 0.01 fibers per cc by TEM method. Approximately equivalent to
@ US-OSHA permissible exposure limit for 8 hour time weighted average. Results are by PCM method.

Personal air monitoring

Agency		Location	Activity	N samples	N above OSHA PEL*	Maximum (fibers per cc)	Comment
Con Ed		Hot Zone	Cable splicing in manhole	2	0	<0.007	

NYC-WTC_00014890

Sep 21 '01 16:46 P.02

D.O.H. GOV'T AFFAIRS Fax:212-349-0040

NYC 9/11 Public Portal Document

		Hot Zone	Walking – various locations	4	0	0.012	
OSHA	Data not received at DOH as of 4 pm						
Federal Occupational Health	Data not received at DOH as of 4 pm						

* 0.1 fibers per cc. US-OSHA permissible exposure limit for 8 hour time weighted average. Results are by PCM method.

Bulk (settled) dust

Agency	Date	Location	N samples	N asbestos detected	N > 1%	Maximum (%)	Comment
USEPA	9/18/01	Hot zone, close in	11	10	6	1.9%	

Interpretation: The most recent ambient air samples in and around WTC and Fresh Kills, generally well below permissible exposure limits for occupational exposure and, in most cases, for community exposure. However, potential for higher exposures exist based on past personal air samples and presence of asbestos in dust and debris. Continued use of appropriate respiratory protection for workers in or near potentially dusty locations or tasks is indicated. Dust suppression measures should be expanded. Additional personal monitoring underway.

NYC-WTC_00014849

D.O.H. GOV'T AFFAIRS Fax:212-349-0040

NYC 9/11 Public Portal Document

Other Compounds

All test results below provided by US EPA

Lead in ambient air: Four samples in hot zone were collected. Highest was 1.9 micrograms per cubic meter. Other samples < 1.5 micrograms per cubic meter (National Air Quality Standard), OSHA PEL is 50 micrograms per cubic meter.

Interpretation: Lead levels in ambient air well below levels for worker concern. Personal monitoring pending.

Volatile organic compounds in ambient air: 3 samples were collected around the debris pile. Low levels of VOCs, no immediate health concerns. 2 samples were collected in the plume – Benzene detected at 100 parts per billion, just at OHSA PEL.

Interpretation: VOC exposures for most workers should be low, but potential exposures exist. Appropriate respiratory protection should continue to be worn.

Miscellaneous toxic and acid gasses (by direct reading instruments): low levels of phosgene and hydrogen cyanide present.

Interpretation: No immediate public or occupational health threat. Personal air sampling pending. Appropriate respiratory protection should continue to be worn.

NYC 9/11 Public Portal Document

Attachment 5

Volatile Organic Compounds (VOC) Non-Potable Water Results

World Trade Center Path Station Level B5 • Collection Date: 9/30/01 • Units: µg/L (ppb)

Contaminant	World Trade Center Path Station					
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
cis-1,2-Dichloroethene	2.11	2.25	<1.0	<1.0	7.67	9.37
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	6.45	6.58	4.53	4.36	4.99	3.69
Freon 113	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	21.5	21.1	31.1	31.9	7.95	6.87
Methy Isobutyl ketone (MIBK)	5.21	5.16	7.97	8.25	2.86	2.70
Methy ethyl ketone (MEK)	20.9	22.3	48.4	49.1	11.2	11.1
2-Hexanone	<1.0	<1.0	<1.0	<1.0	45.2	<1.0
Methyl-tert-butyl ether	75.1	74.4	59.5	61.1	<1.0	45.4
Naphthalene	14.9	14.5	20.4	20.4	17.4	14.2
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	3.65	3.77	3.93	3.96	2.77	2.12
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	1.12	<1.0
Toluene	37.7	37.9	21.3	21.1	25.9	21.8
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	3.03	2.94	1.94	1.76	1.02	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

NYC-WTC_000148492

NYC 9/11 Public Portal Document

Volatile Organic Compounds (VOC) Non-Potable Water Results

World Trade Center Path Station Level B5 • Collection Date: 9/30/01 • Units: µg/L (ppb)

Contaminant	World Trade Center Path Station					
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
Trichloroethene	4.95	4.79	4.25	4.36	1.71	<1.0
Trichlorofluoromethane	1.86	1.77	1.87	1.26	<1.0	<1.0
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	4.67	4.75	4.90	4.57	2.35	1.50
1,3,5-Trimethylbenzene	1.43	1.48	1.47	1.35	<1.0	<1.0
o-Xylene	8.23	8.58	6.28	6.19	5.80	4.18
m,p-Xylene	21.8	22	16.1	15.4	15.8	11.0
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetonitrile	28.6	29.8	60.7	61.4	15.9	15.6
Tentatively Identified Compounds						
m-Ethyl toluene	3.74	3.58	–	3.17	–	–
Limonene	3.82	3.18	–	–	–	1.62
o-Ethyltoluene	–	–	3.56	–	–	–
2-Ethyl-1-hexanol	–	–	5.19	4.99	1.87	–
1-methyl napthalene	–	–	2.00	–	–	–
(-)-Limonene	–	–	–	–	2.46	–

NYC-WTC_000148493

NYC 9/11 Public Portal Document

Volatile Organic Compounds (VOC) Non-Potable Water Results

World Trade Center Path Station Level B5 • Collection Date: 9/30/01 • Units: µg/L (ppb)

Contaminant	World Trade Center Path Station					
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
Acetone	236	239	361	372	107	117
Benzene	6.74	7.13	8.10	8.95	4.0	3.78
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide	1.46	1.40	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	1.02	<1.0
Chloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Debromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromoethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

NYC-WTC_000148494

NYC 9/11 Public Portal Document

Non-Potable Water Tests for Freon 22

World Trade Center Path Station Level B5 • Collection Date: 9/30/01 • Units: µg /L

Parameter	Sample 1 Dirty Water Boat Landing	Sample 2 Dirty Water Boat Landing	Sample 3 Dirty Water Second Leg	Sample 4 Dirty Water Second Leg	Sample 5 Dirty Water Third Leg	Sample 6 Dirty Water Third Leg
Chlorodifluoromethane (Freon 22)	256	255	160	150	146	140

Non-Potable Water Tests for Salinity

World Trade Center Path Station Level B5 • Collection Date: 9/30/01 • Units: ppt practical

Parameter	Sample 2 Dirty Water Boat Landing	Sample 4 Dirty Water Second Leg	Sample 6 Dirty Water Third Leg
Salinity	8.49	5.69	9.79

World Trade Center

B5 Level (Path Station) • 9/30/01

O_2	20.9%
H_2S	0 PPM
LEL	180 PPM
CO	0PPM
PID	200 - 400 PPM
Freon 22	0 PPM

NYC-WTC_000148495

NYC-WTC_000148496

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			Analysis/												
Confirmatio	Lab	Data	ASB (Std)	ASBNIO (Std)	ASBNIO (Std)	Bulk Dust (Std)	Bulk Dust1 (Std)	DIOXIN (Std)	DUST (Std)	LEAD (Std)	MMVF (Std)	PAH (Std)	SCG (Std)	(blank)	Grand Total
8333	EMSL/MAN	Count of Confirmation #	21	15											36
		Count of Val. Date	19	15											34
	EMSL/WM	Count of Confirmation #							4	31	21		15		71
		Count of Val. Date							4	31	14		15		64
	PARADIGM	Count of Confirmation #						9				9			18
		Count of Val. Date						9				9			18
8333 Count of Confirmation #			21	15				9	4	31	21	9	15		125
8333 Count of Val. Date			19	15				9	4	31	14	9	15		116
17250	EMSL/MAN	Count of Confirmation #	24	18											42
		Count of Val. Date	22	18											40
	EMSL/WM	Count of Confirmation #							5	36	24		17		82
		Count of Val. Date							5	36	17				58
	PARADIGM	Count of Confirmation #						11				11			22
		Count of Val. Date						11				11			22
17250 Count of Confirmation #			24	18				11	5	36	24	11	17		146
17250 Count of Val. Date			22	18				11	5	36	17	11			120
17510	EMSL/MAN	Count of Confirmation #	19	9											28
		Count of Val. Date	18	9											27
	EMSL/WM	Count of Confirmation #					2		4	25	19		15		65
		Count of Val. Date					2		4	25	12				43
	PARADIGM	Count of Confirmation #						9				9			18
		Count of Val. Date						9				9			18
17510 Count of Confirmation #			19	9			2	9	4	25	19	9	15		111
17510 Count of Val. Date			18	9			2	9	4	25	12	9			88
17529	EMSL/CPN	Count of Confirmation #	15						4						19
		Count of Val. Date							4						4
	EMSL/MAN	Count of Confirmation #	9	15											24
		Count of Val. Date	7	15											22
	EMSL/WM	Count of Confirmation #					4			33	24		17		78
		Count of Val. Date					4			33	24				61
	PARADIGM	Count of Confirmation #						11				11			22
		Count of Val. Date						11				11			22
17529 Count of Confirmation #			24	15			4	11	4	33	24	11	17		143
17529 Count of Val. Date			7	15			4	11	4	33	24	11			109
24572	EMSL/MAN	Count of Confirmation #	19	15											34
		Count of Val. Date	19	15											34
	EMSL/WM	Count of Confirmation #				1			5	31	19		15		71
		Count of Val. Date				1				31	19				51
	PARADIGM	Count of Confirmation #						9				9			18
		Count of Val. Date						9				9			18
24572 Count of Confirmation #			19	15		1		9	5	31	19	9	15		123
24572 Count of Val. Date			19	15		1		9		31	19	9			103
24597	EMSL/CPN	Count of Confirmation #	19	9											28
		Count of Val. Date	19	9											28
	EMSL/WM	Count of Confirmation #	1						4	25	20		15		65
		Count of Val. Date							4	25	13				42
	PARADIGM	Count of Confirmation #						9				9			18
		Count of Val. Date						9				9			18
24597 Count of Confirmation #			20	9				9	4	25	20	9	15		111
24597 Count of Val. Date			19	9				9	4	25	13	9			88
27398	EMSL/MAN	Count of Confirmation #	21	15											36
		Count of Val. Date	19	15											34
	EMSL/WM	Count of Confirmation #							4	31	21		15		71
		Count of Val. Date							4	31	9		15		59
	PARADIGM	Count of Confirmation #						9				9			18
		Count of Val. Date						9				9			18
27398 Count of Confirmation #			21	15				9	4	31	21	9	15		125
27398 Count of Val. Date			19	15				9	4	31	9	9	15		111

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35653	EMSL/MAN	Count of Confirmation #	27		15		2							42
		Count of Val. Date												
	EMSL/WM	Count of Confirmation #					4		5	35	27		19	90
		Count of Val. Date					2		5	35	9		19	70
	PARADIGM	Count of Confirmation #						12				12		24
		Count of Val. Date						12				12		24
35653 Count of Confirmation #			27		15		4	12	5	35	27	12	19	156
35653 Count of Val. Date							2	12	5	35	9	12	19	94
35725	EMSL/MAN	Count of Confirmation #	21	15										36
		Count of Val. Date	19	15										34
	EMSL/WM	Count of Confirmation #					2		4	31	21		15	73
		Count of Val. Date					2		4	31	14			51
	PARADIGM	Count of Confirmation #						9				9		18
		Count of Val. Date						9				9		18
35725 Count of Confirmation #			21	15			2	9	4	31	21	9	15	127
35725 Count of Val. Date			19	15			2	9	4	31	14	9		103
36065	EMSL/MAN	Count of Confirmation #	21											21
		Count of Val. Date	19											19
	EMSL/WM	Count of Confirmation #		12					4	28	21		15	80
		Count of Val. Date		12					4	28	7		15	66
	PARADIGM	Count of Confirmation #						9				9		18
		Count of Val. Date						9				9		18
36065 Count of Confirmation #			21	12				9	4	28	21	9	15	119
36065 Count of Val. Date			19	12				9	4	28	7	9	15	103
36317	EMSL/MAN	Count of Confirmation #	21	15										36
		Count of Val. Date	19	15										34
	EMSL/WM	Count of Confirmation #							4	31	21		15	71
		Count of Val. Date							4	31	14		15	64
	PARADIGM	Count of Confirmation #						9				9		18
		Count of Val. Date						9				9		18
36317 Count of Confirmation #			21	15				9	4	31	21	9	15	125
36317 Count of Val. Date			19	15				9	4	31	14	9	15	116
36977	EMSL/MAN	Count of Confirmation #	27		21									48
		Count of Val. Date	9											9
	EMSL/WM	Count of Confirmation #					4		5	41	27		7	84
		Count of Val. Date					4		5	41	25		7	82
	PARADIGM	Count of Confirmation #						12				12		24
		Count of Val. Date						12				12		24
36977 Count of Confirmation #			27		21		4	12	5	41	27	12	7	156
36977 Count of Val. Date			9				4	12	5	41	25	12	7	115
44117	EMSL/MAN	Count of Confirmation #	27	15										42
		Count of Val. Date	27	15										42
	EMSL/WM	Count of Confirmation #					1		6	35	27		19	88
		Count of Val. Date					1		6	35	25		12	79
	PARADIGM	Count of Confirmation #						12				12		24
		Count of Val. Date						12				12		24
44117 Count of Confirmation #			27	15			1	12	6	35	27	12	19	154
44117 Count of Val. Date			27	15			1	12	6	35	25	12	12	145
93175	EMSL/MAN	Count of Confirmation #	26	15										41
		Count of Val. Date	24	15										39
	EMSL/WM	Count of Confirmation #					2		5	35	26		19	87
		Count of Val. Date					2		5	35	17			59
	PARADIGM	Count of Confirmation #						12				12		24
		Count of Val. Date						12				12		24
93175 Count of Confirmation #			26	15			2	12	5	35	26	12	19	152
93175 Count of Val. Date			24	15			2	12	5	35	17	12		122
(blank)	(blank)	Count of Confirmation #												
		Count of Val. Date												
(blank) Count of Confirmation #														
(blank) Count of Val. Date														
Total Count of Confirmation #			318	168	36	1	19	142	63	448	318	142	218	1873
Total Count of Val. Date			240	168		1	17	142	58	448	219	142	98	1533

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Volatile Organic Compounds (VOC) Non-Potable Water Results

World Trade Center Path Station Level B6 • Collection Date: 10/1/01 • Units: µg/L (ppb)

Contaminant	World Trade Center Path Station Level B6			
	Sample 1	Sample 2	Sample 3	Sample 4
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	3.23	3.49	<1.0	<1.0
Freon 113	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0
Methylene chloride	37.6	81.6	<1.0	<1.0
Methy Isobutyl ketone (MIBK)	4.26	6.77	<1.0	<1.0
Methy ethyl ketone (MEK)	32.6	46.8	<1.0	<1.0
2-Hexanone	<1.0	<1.0	<1.0	<1.0
Methyl-tert-butyl ether	42.3	56.6	1.99	1.92
Naphthalene	14.5	13.4	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0
Styrene	2.44	3.00	<1.0	<1.0
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethene	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0
Toluene	16.9	24.7	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	1.41	1.89	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0

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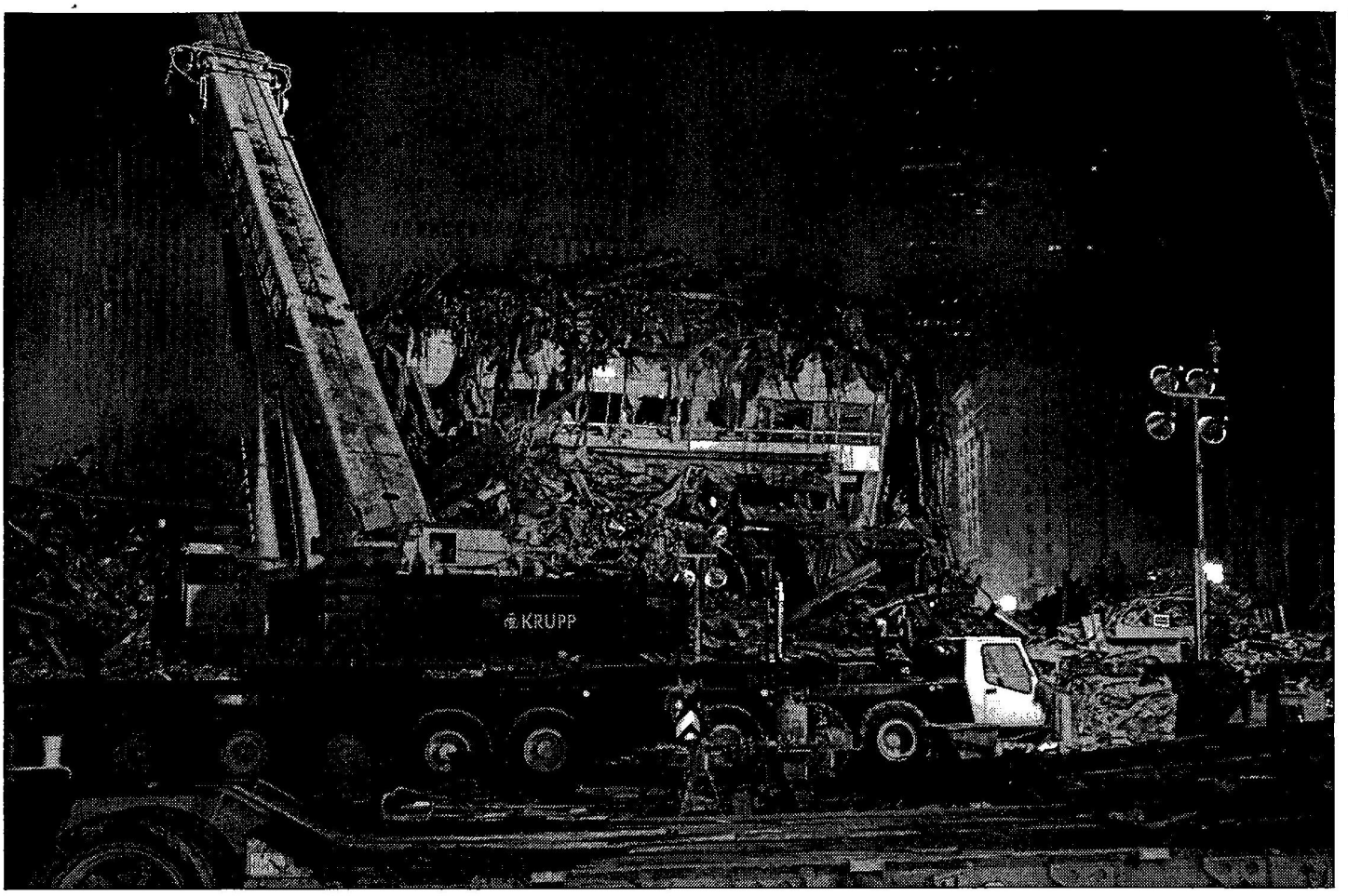
Volatile Organic Compounds (VOC) Non-Potable Water Results

World Trade Center Path Station Level B6 • Collection Date: 10/1/01 • Units: µg/L (ppb)

minant	World Trade Center Path Station Level B6			
	Sample 1	Sample 2	Sample 3	Sample 4
	239	293	<1.0	4.29
	6.41	7.66	<1.0	<1.0
enzene	<1.0	<1.0	<1.0	<1.0
hloromethane	<1.0	<1.0	<1.0	<1.0
ichloromethane	<1.0	<1.0	<1.0	<1.0
nethane	<1.0	<1.0	<1.0	<1.0
orm	<1.0	<1.0	<1.0	<1.0
Tetrachloride	<1.0	<1.0	<1.0	<1.0
lbenzene	<1.0	<1.0	<1.0	<1.0
tylbenzene	<1.0	<1.0	<1.0	<1.0
tylbenzene	<1.0	<1.0	<1.0	<1.0
Disulfide	<1.0	<1.0	<1.0	<1.0
enzene	<1.0	<1.0	<1.0	<1.0
ethane	<1.0	<1.0	<1.0	<1.0
form	<1.0	<1.0	<1.0	<1.0
methane	<1.0	<1.0	<1.0	<1.0
nochloromethane	<1.0	<1.0	<1.0	<1.0
rotoluene	<1.0	<1.0	<1.0	<1.0
bromo-3-chloropropane	<1.0	<1.0	<1.0	<1.0
rotoluene	<1.0	<1.0	<1.0	<1.0
noethane	<1.0	<1.0	<1.0	<1.0
bromoethane	<1.0	<1.0	<1.0	<1.0
ichlorobenzene	<1.0	<1.0	<1.0	<1.0
ichlorobenzene	<1.0	<1.0	<1.0	<1.0
ichlorobenzene	<1.0	<1.0	<1.0	<1.0
rodifluoromethane	<1.0	<1.0	<1.0	<1.0
ichloroethane	<1.0	<1.0	<1.0	<1.0
ichloroethane	<1.0	<1.0	<1.0	<1.0
ichloroethene	<1.0	<1.0	<1.0	<1.0

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NYC-WTC_000148500

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Volatile Organic Compounds (VOC) Non-Potable Water Results

World Trade Center Path Station Level B6 • Collection Date: 10/1/01 • Units: µg/L (ppb)

Contaminan	World Trade Center Path Station Level B6			
	Sample 1	Sample 2	Sample 3	Sample 4
Trichloroethene	3.59	6.23	<1.0	<1.0
Trichlorofluoromethane	<1.0	1.16	1.12	1.42
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	4.94	3.75	<1.0	<1.0
1,3,5-Trimethylbenzene	1.44	1.00	<1.0	<1.0
o-Xylene	4.55	4.90	<1.0	<1.0
m,p-Xylene	11.2	11.7	<1.0	<1.0
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0
Acetonitrile	42.4	54.7	–	–
Tentatively Identified Compounds				
Tetradecane	–	–	1.85	–

NYC-WTC_000148501

Non-Potable Water Tests for Freon 22

World Trade Center Path Station Level B6 • Collection Date: 10/1/01 • Units: µg /L

Parameter	Sample 1 Large Pool of Water East Side	Sample 2 Large Pool of Water East Side WTC	Sample 3 Small Pool of Water Westside Path Tracks	Sample 4 Small Pool of Water Westside Path Tracks
Chlorodifluoromethane (Freon 22)	441	605	28.8	47.3

Non-Potable Water Tests for Salinity

World Trade Center Path Station Level B6 • Collection Date: 10/1/01 • Units: ppt practical

Parameter	Sample 1 Small Pool Water Westside Path Tracks	Sample 2 Small Pool Water Westside Path Tracks
Salinity	18.0	18.0

B6 Level (Path Station) 10/1/01	
O_2	20.9%
H_2S	6 - 8 PPM
LEL	0 PPM
CO	0PPM
PID	0 PPM
FID	0 PPM
Freon 22	0 PPM

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Volatile Organic Compounds (VOC) Air Sampling Analysis Results

World Trade Center Path Station Level B6 • Collection Date: 10/1/01 • Units: ppb v/v

Contaminant	Sample 1
Dichlorodifluoromethane	2.33
Chloromethane	ND
1,2-Dichlorotetrafluoroethane	ND
Vinyl Chloride	ND
Bromomethane	ND
Chloroethane	ND
Trichlorofluoromethane	0.90
1,1-Dichloroethene	ND
Methylene chloride	ND
Freon 113	0.48
1,1-Dichloroethane	ND
Methyl-tert-butyl ether	4.21
cis-1,2-Dichloroethene	ND
Chloroform	1.46
1,2-Dichloroethane	ND
1,1,1-Trichloroethane	0.11
Benzene	4.94
Carbon Tetrachloride	0.12
1,2-Dichloropropane	ND
Trichloroethene	2.01
cis-1,3-Dichloropropene	ND
trans-1,3-Dichloropropene	ND

Contaminant	Sample 1
1,1,2-Trichlorethane	ND
Toluene	7.16
1,2-Dibromoethane	ND
Tetrachloroethene	0.62
Chlorobenzene	ND
Ethylbenzene	2.73
m,p-Xylene	4.05
Styrene	1.27
1,1,2,2-Tetrachloroethane	ND
o-Xylene	1.41
1,3,5-Trimethylbenzene	0.39
1,2,4-Trimethylbenzene	1.03
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	0.44
1,2-Dichlorobenzene	ND
1,2,4-Trichlorobenzene	ND
Hexachloro-1,3-Butadiene	ND
Tentatively Identified Compounds	
1,1,1,2-Tetrafluoroethane	2.37
Freon 142	6.90
2-Methyl butane	1.52
Acetone	4.82

Air/Gas Sample Tests for Freon 22

World Trade Center Path Station Level B6 • Collection Date: 10/1/01 • Units: ppb v/v

Parameter	Sample 1
Chlorodifluoromethane (Freon 22)	3.72

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ATTACHMENT 6

Volatile Organic Compounds*

Dichlorodifluoromethane
Chloromethane
1,2-Dichlorotetrafluoroethane
Vinyl Chloride
Bromomethane
Chloroethane
Trichlorofluoromethane
1,1-Dichloroethene
Methylene chloride
Freon 113
1,1-Dichloroethane
Methyl-tert-butyl ether
cis-1,2-Dichloroethene
Chloroform
1,2-Dichloroethane
1,1,1-Trichloroethane
Benzene
Carbon Tetrachloride
1,2-Dichloropropane
Trichloroethene

cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
1,1,2-Trichlorethane
Toluene
1,2-Dibromoethane
Tetrachloroethene
Chlorobenzene
Ethylbenzene
m,p-Xylene
Styrene
1,1,2,2-Tetrachloroethane
o-Xylene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4-Trichlorobenzene
Hexachloro-1,3-Butadiene

Metals

Aluminum (Al)
Antimony (Sb)
Arseni (As)
Barium (Ba)
Beryllium (Be)
Cadmium (Cd)
Calcium (Ca)
Chromium (Cr)
Copper (Cu)
Iron (Fe)
Lead (Pb)
Magnesium (Mg)
Manganese (Mn)
Mercury (Hg)
Nickel (Ni)
Potassium (K)
Selenium (Se)
Silver (Ag)
Sodium (Na)
Thallium (Ti)
Zinc (Zn)

Acid Gases

Acetic Acid
Nitric Acid
Sulfuric Acid
Hydrochloric Acid
Formic Acid
Chromic Acid
Acid Test

**These 39 compounds are taken from EPA's TO 14 &TO 15 methods for the determination of Volatile Organic Compounds in ambient air. Analysis.*

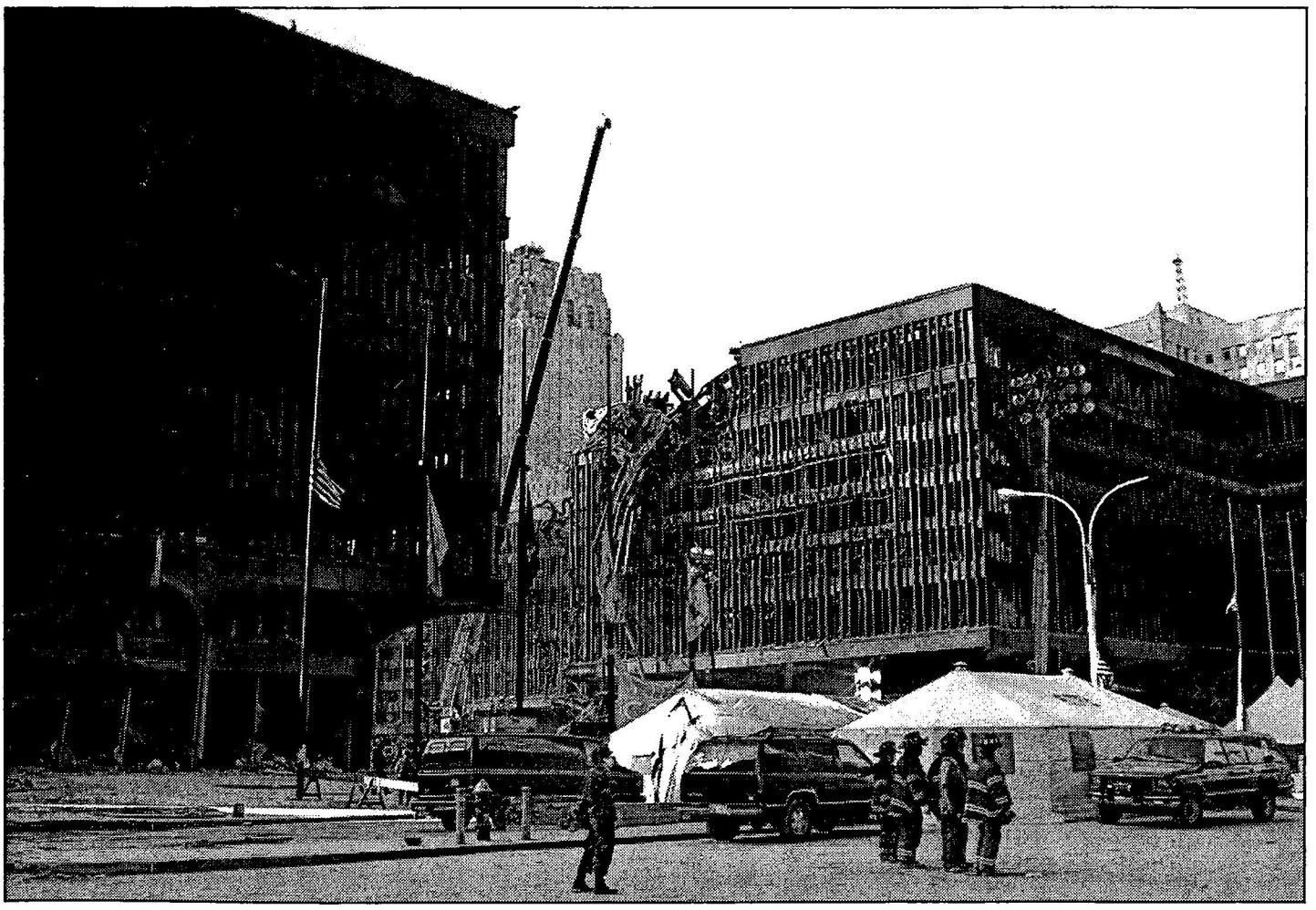
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Lower Manhattan Testing

Collection Date: 9/23/01

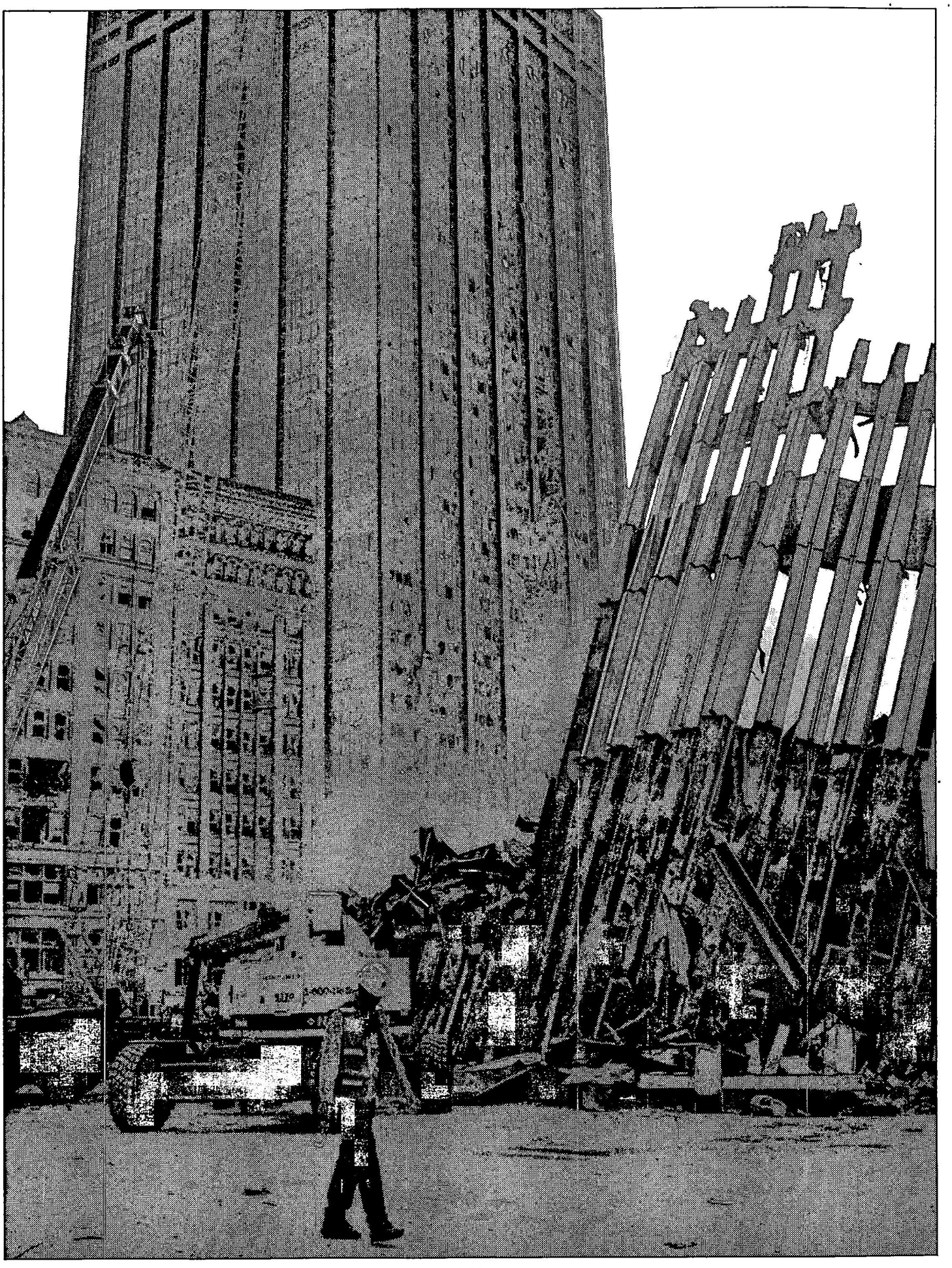
WTC PLM Sample Analysis Table • WTC Sand Areas

Location Sampled	Sample Type	Asbestos Fiber Types	Fiber 2	Fiber 3
North Battery Park				
N. Park by Murray St & River Ter (South Sand Box, Silver Slide)	Bulk	–	Silicates 100%	–
N. Park by Murray St & River Ter (South Sand Box, Bottom Yellow Slide)	Bulk	–	Cell 1%	Fiberglass 2%
North Park (North Sand Box, South End)	Bulk	–	Fiberglass 1%	Silicates 99%
North Park (South Sand Box, North End)	Bulk	–	–	Fiberglass 1%
Rector Place				
East Walkway Park	Bulk	CHRY Trace	Cell 10%	Fiberglass 45%
Under the Swing	Bulk	–	Cell 1%	Fiberglass 5%
Bottom of Straight Slide	Bulk	–	Cell 5%	Fiberglass 10%



NYC-WTC_000148505

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NYC-WTC_000148506

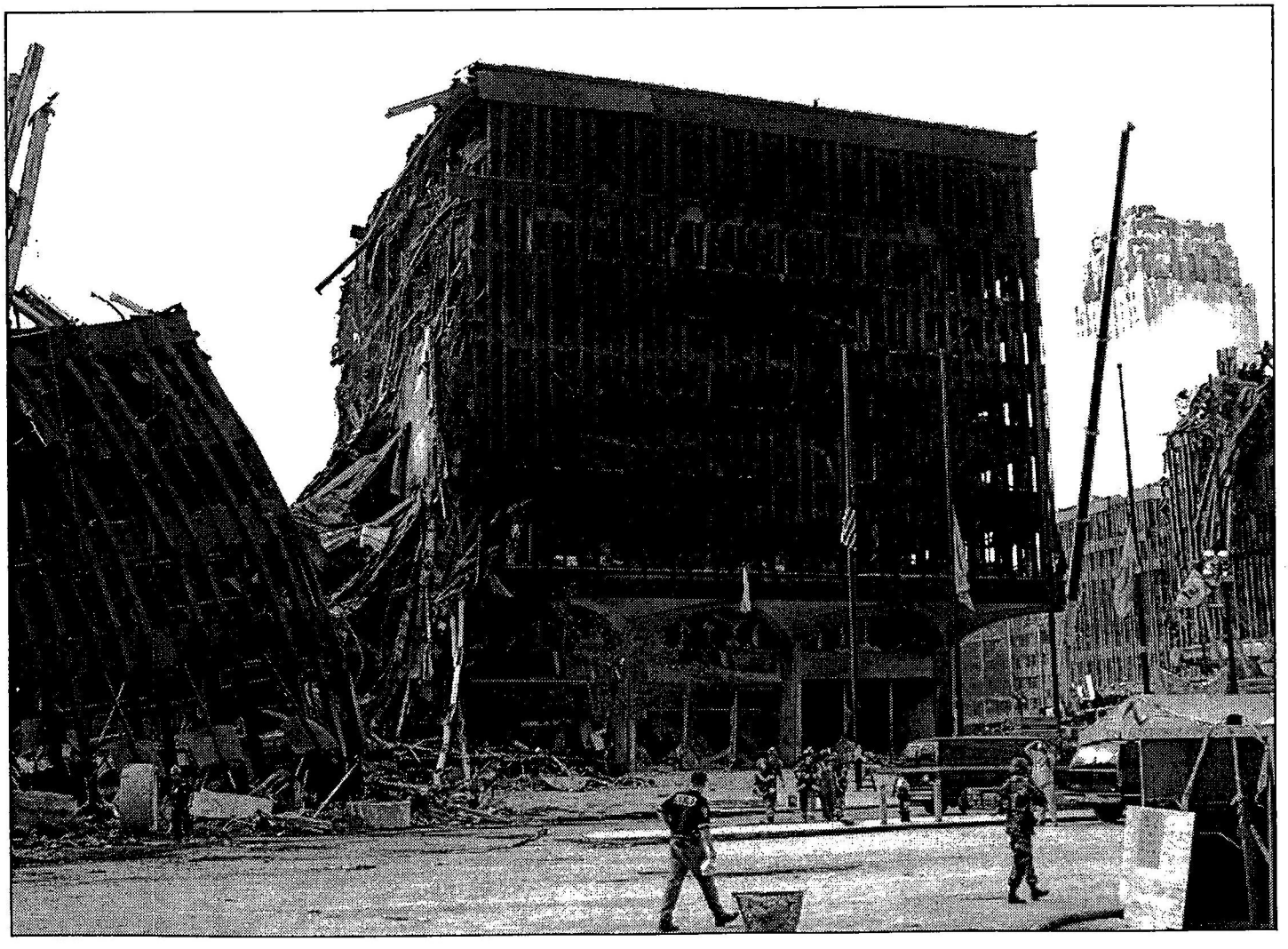
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ATTACHMENT 4

World Trade Center PCB Wipes

World Trade Center Building 7 Transformer • Collection Date: 9/27/01 • Units: ug PCB/100 cm2

Parameter	Sample 1	Sample 2
Aroclor 1016 (PCB-1016)	<3.59	<3.59
Aroclor 1221 (PCB-1221)	<7.98	<7.98
Aroclor 1232 (PCB-1232)	<1.78	<1.78
Aroclor 1242 (PCB-1242)	<2.0	<2.0
Aroclor 1248 (PCB-1248)	<1.19	<1.19
Aroclor 1254 (PCB-1254)	<0.77	<0.77
Aroclor 1260 (PCB-1260)	<0.77	<0.77



NYC-WTC_000148507

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Lower Manhattan Testing

Collection Date: 9/16/01

WTC PLM Sample Analysis Table

Location Sampled	Sample Type	Asbestos Fiber Types	Fiber 2	Fiber 3
Press Room, Middle Window	Wipe	–	Cell 100%	–
City Council Room, Window Ledge	Wipe	–	Cell 100%	–
City Council Room, Table Top	Wipe	–	Cell 100%	–
Public Hearing Room, Table Top	Wipe	–	Cell 60%	Fiberglass 40%
Committee of the Whole, Table Top, SW Corner	Wipe	–	Cell 80%	Fiberglass 20%

NYC-WTC_000148508

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ATTACHMENT 3

Lower Manhattan Testing

Collection Date: 9/11/01

WTC PLM Sample Analysis Table

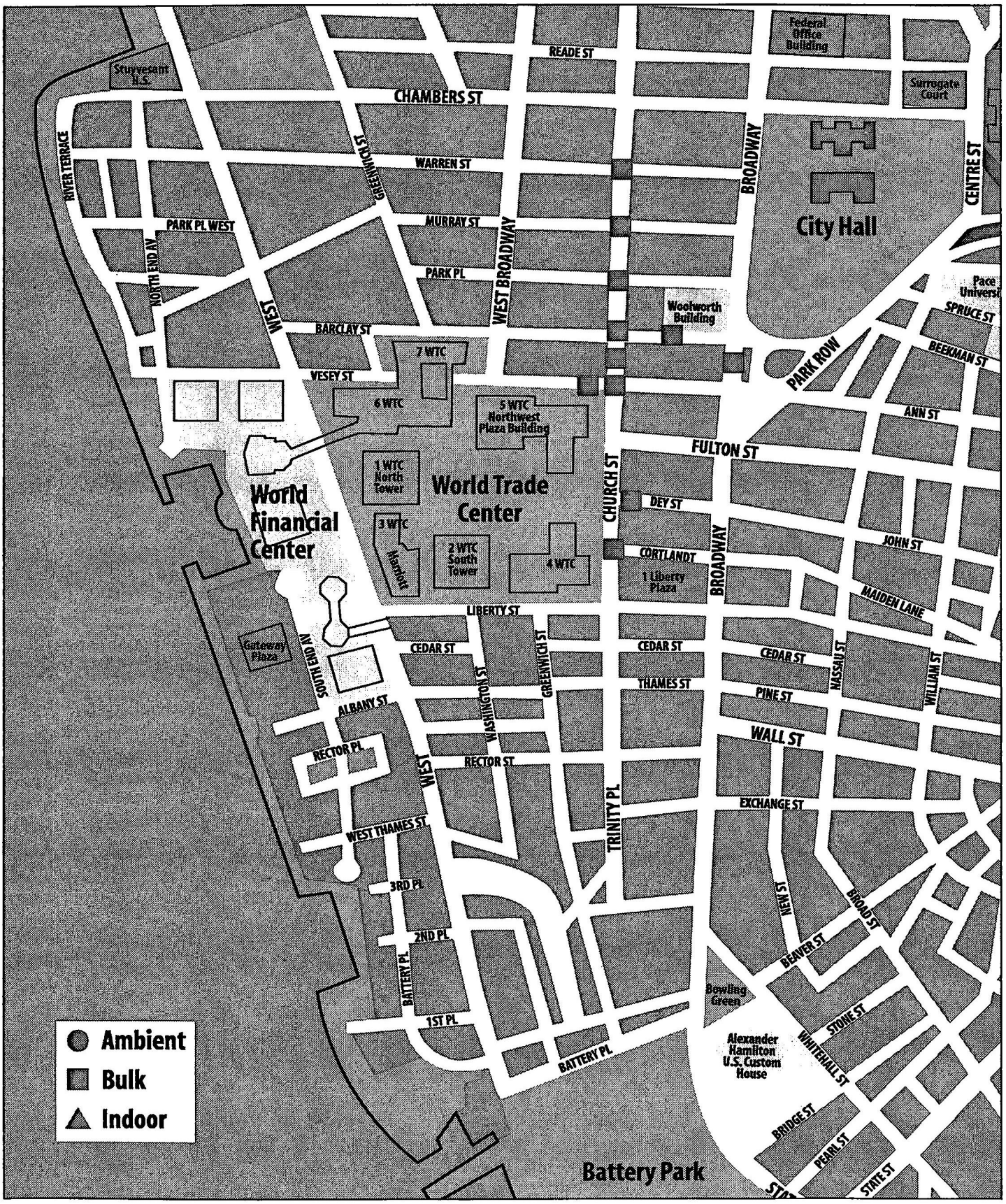
Location Sampled	Sample Type	Asbestos Fiber Types	Fiber 2	Fiber 3
23 Barclay St	Bulk	CHRY 1%	–	–
217 Broadway	Bulk	CHRY 4%	Cell 76%	Fiberglass 17%
Church St. & Vesey St	Bulk	–	Cell 45%	Fiberglass 30%
Church St. & Vesey St	Bulk	CHRY 1.3%	–	–
Across 90 Church St	Bulk	–	Cell 2%	Fiberglass 98%
Barclay St & Church St	Bulk	CHRY 4.8%	–	–
Warren St & Church St	Bulk	CHRY Trace	–	–
Church St & Murray St	Bulk	CHRY <1%	–	–
Park Pl & Church St	Bulk	CHRY 4% Almost Trace	–	–
Church St. & Dey St	Bulk	CHRY <1%	–	–
Church St & Cortlandt St	Bulk	CHRY <1%:Almost <1%	Cell 4%	Fiberglass 50%

NYC-WTC_000148509

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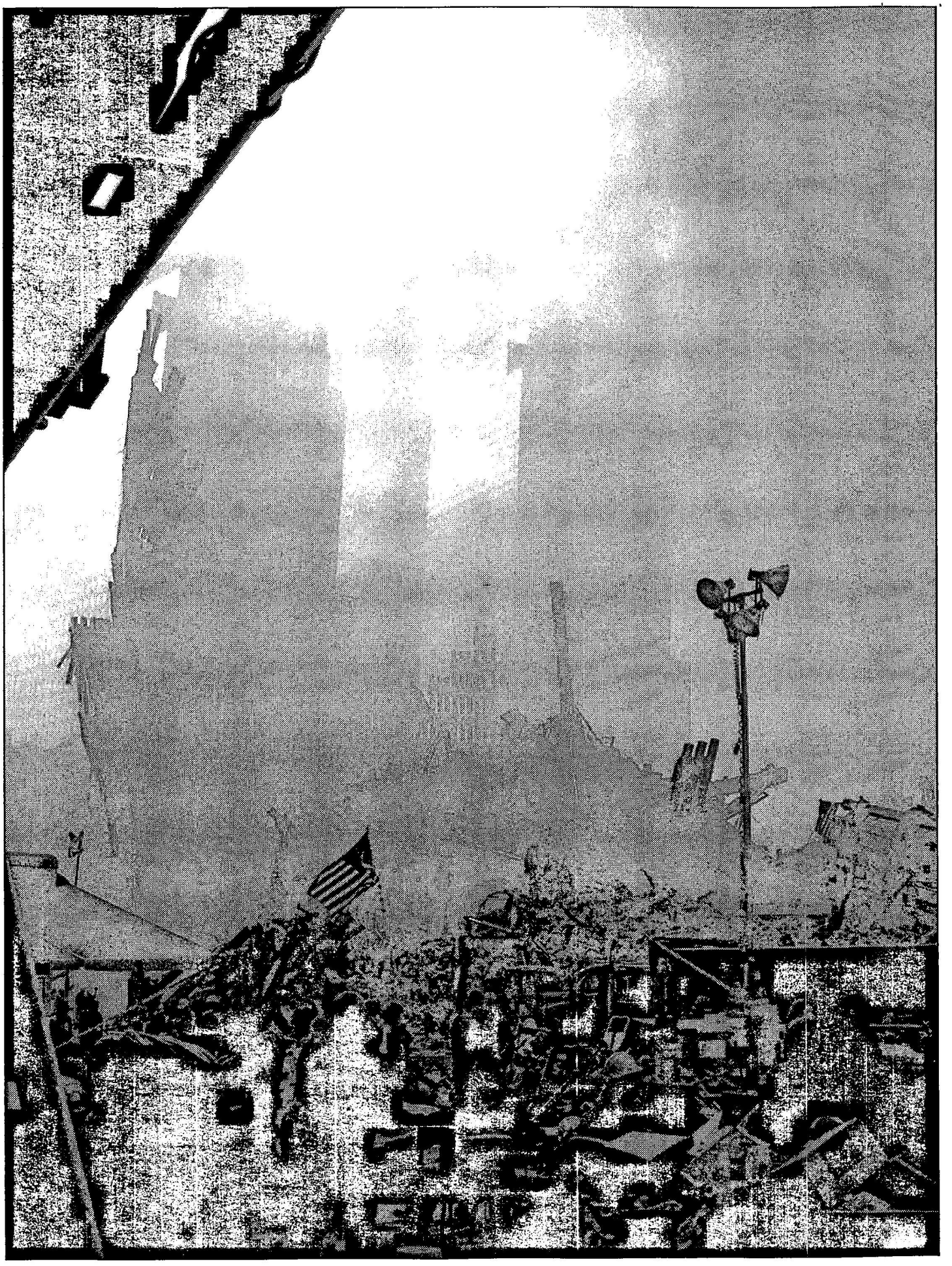
Lower Manhattan Testing

Collection Date: 9/11/01



NYC-WTC_000148510

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NYC-WTC_000148511

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Lower Manhattan Testing

Collection Date: 9/26/01

WTC PLM Sample Analysis Table

Location Sampled	Sample Type	Asbestos Fiber Types	Fiber 2	Fiber 3
Battery Park Sand Box				
Middle Sand Box	Bulk	–	Cell Trace	–
Middle Sand Box	Bulk	–	Fiberglass Trace	–
Middle Sand Box	Bulk	–	Fiberglass Trace	–
Middle Sand Box	Bulk	–	Cell 2%	–
Middle Sand Box	Bulk	–	Cell 1%	Fiberglass 1%
Red Sand Box	Bulk	–	Fiberglass Trace	–
Sand Box, Northeast	Bulk	–	Fiberglass Trace	–
Sand Box, Southwest	Bulk	–	Fiberglass Trace	–
Foam Rubber Matting	Bulk	–	Fiberglass Trace	–
Foam Rubber Matting	Bulk	–	Fiberglass Trace	–
Battery Park Parking Lot (Between 2nd & 3rd Place)				
Red Auto Camry	Bulk	CHRY Trace	Fiberglass Trace	–
Ground of Parking Lot	Bulk	CHRY Trace	Fiberglass Trace	–
Parking Lot Ground Next to Car	Bulk	CHRY Trace	Fiberglass Trace	–
Battery Park City (Roof Samples)				
Liberty View	Bulk	CHRY Trace	–	–
The Soundings	Bulk	CHRY Trace	Fiberglass Trace	–
Hudson View West	Bulk	–	Cell 10%	Fiberglass 45%
Hudson View East	Bulk	–	Cell 10%	Fiberglass 45%
Washington Market Park (Between 2nd & 3rd Place)				
Sand From Play Box (West Side)	Bulk	CHRY Trace	Cell Trace	Fiberglass Trace
Sand From Play Box (East Side)	Bulk	–	Cell 2%	Silicates 98%
Sand From Play Box (South Side)	Bulk	CHRY Trace	Cell Trace	Fiberglass Trace

NYC-WTC_000148512

DATE	SITE#	LOCATION	AIR SAMPLE
11/25/01	4	River Terrace and Chambers	<LOQ
11/25/01	6A	River Terrace and Warren	<LOQ
11/25/01	7	Warren and North End	0.006
11/25/01	8	West Street and Warren	<LOQ
11/25/01	9	Park Place and River Terrace	<LOQ
11/25/01	10	North End and Park Place	<LOQ
11/25/01	11	Murray & Greenwich	0.005
11/25/01	12	Murray and Church	0.005
11/25/01	15	Park Place and Greenwich	<LOQ
11/25/01	16	Park Place and Church	0.005
11/25/01	17	Vesey and River Terrace	<LOQ
11/25/01	20A	Vesey and West Broadway	0.004
11/25/01	21	Fulton and Church	<LOQ
11/25/01	27	Gateway Plaza	0.005
11/25/01	29	Trinity Place and Thames	<LOQ
11/25/01	31	South End Avenue and Albany	<LOQ
11/25/01	32	West and Albany	<LOQ
11/25/01	33A	Rector Place by park	<LOQ
11/25/01	34	West end of West Thames	<LOQ
11/25/01	37	3rd Place and West End and Waterside	<LOQ
11/26/01	4	River Terrace and Chambers	<LOQ
11/26/01	6A	River Terrace and Warren	0.004
11/26/01	7	Warren and North End	<LOQ
11/26/01	8	West Street and Warren	<LOQ
11/26/01	9	Park Place and River Terrace	<LOQ
11/26/01	10	North End and Park Place	<LOQ
11/26/01	11	Murray & Greenwich	0.004
11/26/01	12	Murray and Church	<LOQ
11/26/01	15	Park Place and Greenwich	<LOQ
11/26/01	16	Park Place and Church	0.005
11/26/01	17	Vesey and River Terrace	<LOQ
11/26/01	20A	Vesey and West Broadway	0.006
11/26/01	21	Fulton and Church	0.004
11/26/01	27	Gateway Plaza	<LOQ
11/26/01	29	Trinity Place and Thames	<LOQ
11/26/01	31	South End Avenue and Albany	<LOQ
11/26/01	32	West and Albany	<LOQ
11/26/01	33A	Rector Place by park	<LOQ
11/26/01	34	West end of West Thames	0.005
11/26/01	37	3rd Place and West End and Waterside	<LOQ
11/27/01	4	River Terrace and Chambers	<LOQ
11/27/01	6A	River Terrace and Warren	<LOQ
11/27/01	7	Warren and North End	<LOQ
11/27/01	8	West Street and Warren	<LOQ
11/27/01	9	Park Place and River Terrace	<LOQ
11/27/01	10	North End and Park Place	<LOQ
11/27/01	11	Murray & Greenwich	<LOQ
11/27/01	12	Murray and Church	0.005

11/27/01	15	Park Place and Greenwich	<LOQ
11/27/01	16	Park Place and Church	0.006
11/27/01	17	Vesey and River Terrace	<LOQ
11/27/01	20A	Vesey and West Broadway	0.007
11/27/01	21	Fulton and Church	<LOQ
11/27/01	27	Gateway Plaza	0.004
11/27/01	29	Trinity Place and Thames	0.005
11/27/01	31	South End Avenue and Albany	<LOQ
11/27/01	32	West and Albany	<LOQ
11/27/01	33A	Rector Place by park	<LOQ
11/27/01	34	West end of West Thames	<LOQ
11/27/01	37	3rd Place and West End and Waterside	<LOQ
11/28/01	4	River Terrace and Chambers	0.004
11/28/01	6A	River Terrace and Warren	<LOQ
11/28/01	7	Warren and North End	<LOQ
11/28/01	8	West Street and Warren	<LOQ
11/28/01	9	Park Place and River Terrace	<LOQ
11/28/01	10	North End and Park Place	<LOQ
11/28/01	11	Murray & Greenwich	<LOQ
11/28/01	12	Murray and Church	<LOQ
11/28/01	15	Park Place and Greenwich	0.004
11/28/01	16	Park Place and Church	0.007
11/28/01	17	Vesey and River Terrace	<LOQ
11/28/01	20A	Vesey and West Broadway	<LOQ
11/28/01	21	Fulton and Church	0.004
11/28/01	27	Gateway Plaza	<LOQ
11/28/01	29	Trinity Place and Thames	0.006
11/28/01	31	South End Avenue and Albany	<LOQ
11/28/01	32	West and Albany	<LOQ
11/28/01	33A	Rector Place by park	<LOQ
11/28/01	34	West end of West Thames	<LOQ
11/28/01	37	3rd Place and West End and Waterside	<LOQ
11/29/01	4	River Terrace and Chambers	<LOQ
11/29/01	6A	River Terrace and Warren	<LOQ
11/29/01	7	Warren and North End	<LOQ
11/29/01	8	West Street and Warren	0.006
11/29/01	9	Park Place and River Terrace	<LOQ
11/29/01	10	North End and Park Place	<LOQ
11/29/01	11	Murray & Greenwich	<LOQ
11/29/01	12	Murray and Church	0.005
11/29/01	15	Park Place and Greenwich	0.005
11/29/01	16	Park Place and Church	0.005
11/29/01	17	Vesey and River Terrace	<LOQ
11/29/01	20A	Vesey and West Broadway	0.004
11/29/01	21	Fulton and Church	<LOQ
11/29/01	27	Gateway Plaza	0.004
11/29/01	29	Trinity Place and Thames	0.005
11/29/01	31	South End Avenue and Albany	<LOQ
11/29/01	32	West and Albany	0.006

11/29/01	33A	Rector Place by park	0.008
11/29/01	34	West end of West Thames	<LOQ
11/29/01	37	3rd Place and West End and Waterside	0.005
11/30/01	4	River Terrace and Chambers	<LOQ
11/30/01	6A	River Terrace and Warren	0.005
11/30/01	7	Warren and North End	0.005
11/30/01	8	West Street and Warren	0.007
11/30/01	9	Park Place and River Terrace	<LOQ
11/30/01	10	North End and Park Place	<LOQ
11/30/01	11	Murray & Greenwich	0.006
11/30/01	12	Murray and Church	0.005
11/30/01	15	Park Place and Greenwich	0.005
11/30/01	16	Park Place and Church	0.007
11/30/01	17	Vesey and River Terrace	<LOQ
11/30/01	20A	Vesey and West Broadway	0.006
11/30/01	21	Fulton and Church	0.007
11/30/01	27	Gateway Plaza	<LOQ
11/30/01	29	Trinity Place and Thames	<LOQ
11/30/01	31	South End Avenue and Albany	<LOQ
11/30/01	32	West and Albany	<LOQ
11/30/01	33A	Rector Place by park	<LOQ
11/30/01	34	West end of West Thames	0.005
11/30/01	37	3rd Place and West End and Waterside	<LOQ
12/01/01	4	River Terrace and Chambers	<LOQ
12/01/01	6A	River Terrace and Warren	<LOQ
12/01/01	7	Warren and North End	<LOQ
12/01/01	8	West Street and Warren	<LOQ
12/01/01	9	Park Place and River Terrace	<LOQ
12/01/01	10	North End and Park Place	0.004
12/01/01	11	Murray & Greenwich	0.008
12/01/01	12	Murray and Church	<LOQ
12/01/01	15	Park Place and Greenwich	0.007
12/01/01	16	Park Place and Church	0.006
12/01/01	17	Vesey and River Terrace	<LOQ
12/01/01	20A	Vesey and West Broadway	0.005
12/01/01	21	Fulton and Church	<LOQ
12/01/01	27	Gateway Plaza	<LOQ
12/01/01	29	Trinity Place and Thames	<LOQ
12/01/01	31	South End Avenue and Albany	<LOQ
12/01/01	32	West and Albany	<LOQ
12/01/01	33A	Rector Place by park	<LOQ
12/01/01	34	West end of West Thames	<LOQ
12/01/01	37	3rd Place and West End and Waterside	<LOQ

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Air Monitoring in Lower Manhattan

Date	H.S. of E.F 100 Trinity Place	P.S. 234 282 Grennwich St.	Stuyvesant H.S. 345 Chambers St.	I.S./P.S. 89 201 Warren St.
2/4/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
2/3/02	< 14.3 s/sqmm	28.6 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
2/2/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
2/1/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/31/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/30/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/29/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/28/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/27/02	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/26/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/25/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/24/02	< 14.3 s/sqmm	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/23/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/22/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/21/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/20/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/19/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/18/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/17/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/16/02	< 14.3 s/sqmm	14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/15/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/14/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/13/02	< 14.3 s/sqmm	< 14.3 s/sqmm	14.3 s/sqmm	28.6 s/sqmm
1/12/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/11/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/10/02	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm	< 14.3 s/sqmm
1/9/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
1/8/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
1/7/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
1/6/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm

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1/5/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
1/4/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
1/3/02	26.67 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	26.67 s/sqmm
1/2/02	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
1/1/02	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/31/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/30/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/29/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/28/01	< 16.00 s/sqmm	< 16.00 s/sqmm	< 16.00 s/sqmm	< 16.00 s/sqmm
12/27/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/26/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/25/01	< 13.33 s/sqmm	< 15.15 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/24/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/23/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/22/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/21/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/20/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/19/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/18/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/17/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
12/16/01	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm	13.33 s/sqmm
12/15/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/14/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/13/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/12/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/11/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/10/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/9/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/8/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 8.89 s/sqmm
12/7/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/6/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/5/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/4/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
1203/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
12/2/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm

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12/1/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/30/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/29/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/28/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/27/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/26/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/25/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
11/24/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/23/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	28.67 s/sqmm
11/22/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/21/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/20/01	< 13.33 s/sqmm	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/19/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/18/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/17/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/16/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/15/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/14/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/13/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 8.89 s/sqmm
11/12/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/11/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/10/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/9/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/8/01	< 13.33 s/sqmm	< 26.67 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/7/01	< 13.33 s/sqmm	< 13.33 s/sqmm	40 s/sqmm	< 13.33 s/sqmm
11/6/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/5/01	13.33 s/sqmm	13.33 s/sqmm	26.67 s/sqmm	13.33 s/sqmm
11/4/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/3/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
11/2/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
11/1/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
10/31/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
10/30/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
10/29/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
10/28/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm

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10/27/01	40 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
10/26/01	< 13.33 s/sqmm	13.33 s/sqmm	< 13.33 s/sqmm	13.33 s/sqmm
10/25/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
10/24/01	13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
10/23/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
10/22/01	13.33 s/sqmm	*< 13.33 s/sqmm	13.33 s/sqmm	< 13.33 s/sqmm
10/21/01	< 13.33 s/sqmm	< 13.33 s/sqmm	13.33 sq/mm	< 13.33 s/sqmm
10/20/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
10/19/01	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm	< 13.33 s/sqmm
10/18/01	0.004 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
10/17/01	0.003 f/cc	0.003 f/cc	0.002 f/cc	0.004 f/cc
10/16/01	0.004 f/cc	0.002 f/cc	0.003 f/cc	< 0.002 f/cc
10/15/01	0.005 f/cc	0.003 f/cc	< 0.002 f/cc	< 0.002 f/cc
10/14/01	< 0.002 f/cc	< 0.002 f/cc	0.004 f/cc	0.005 f/cc
10/13/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
10/12/01	< 0.002 f/cc	< 0.002 f/cc	0.007 f/cc	0.003 f/cc
10/11/01	0.003 f/cc	0.003 f/cc	< 0.002 f/cc	0.003 f/cc
10/10/01	0.003 f/cc	0.003 f/cc	0.003 f/cc	0.004 f/cc
10/9/01	< 0.002 f/cc	0.004 f/cc	< 0.002 f/cc	0.003 f/cc
10/8/01	0.005 f/cc	< 0.002 f/cc	< 0.002 f/cc	0.007 f/cc
10/7/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	.018 f/cc (40 s/sqmm)
10/6/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc
10/5/01	0.004 f/cc	0.003 f/cc	< 0.002 f/cc	< 0.002 f/cc
10/4/01	< 0.002 f/cc	< 0.002 f/cc	< 0.002 f/cc	0.003 f/cc

Notes:
Total Volume = 1200 liters
Sampling Time = 8hrs.
f/cc = fibers per cubic centimeter
s/sqmm = structures per square millimeter
Overload = Indicates that the sampling filter was clogged and the sample could not be read with laboratory analysis.

The information contained in this database should be considered provisional and may be subject to adjustment upon final analysis.

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NYC-WTC_000148520

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ATTACHMENT 2 -

See Barbara Raffo

asbestos results for air monitoring performed by contractor.

NYC-WTC_000148521

NYC-WTC_000148522

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Sample #	Location	Matrix	Lead Conc	Asbestos	Total VOCs, ppbv
111981	Corner of Greenwich & Warren St	Dust	120 mg/Kg	< 1% Chrysotile	NA
	NYC				
111980	Corner of Reade & Hudson St	Dust	250 mg/Kg	< 1% Chyrsotile	NA
	NYC				
111979	Corner of Murray St & West Side	Dust	200 mg/Kg	4.49% Chrysotile	NA
	NYC			< 1% Amosite	
111978	Corner of West Broadway & Warren	Dust	170 mg/Kg	None Detected	NA
	NYC				
307/561	Remsen St @ Promenade	Air	ND	0.0048 S/cc Chrysotile	42*
	Brooklyn				
562	Remsen St @ Promenade	Air	ND	0.0048 S/cc Chrysotile	NA
	Brooklyn				
308/563	Cranberry St @ Columbia	Air	ND	None Detected	ND
	Brooklyn				
309/564	Congress St @ Columbia	Air	ND	0.0048 S/cc Chrysotile	ND
	Brooklyn				
310/565	Court St @ Montague	Air	ND	None Detected	10
	Brooklyn				
416/667/668	near Command Center	Air	ND	None Detected	0.6J
	Liberty Park				
417/665/666	near Command Center	Air	ND	None Detected	0.6J
	Liberty Park				
418/661/664	looking at Ellis Island	Air	ND	None Detected	0.6J
	Liberty Park				
419/664/663	looking at World Trade Center	Air	ND	None Detected	ND
	Liberty Park				

* 3 ppb toluene, 7 ppb benzene, 1 ppb ethylbenzene, 3 ppb styrene, 1 ppb m & p xylene, 3 ppb chloromethane
5 ppb trichlorofluoromethane, 19 ppb non target freon compounds

NYC 9/11 Public Portal Document

Table 1 Results of the Analysis for Metals in Air
New York (WTC) ER site

Client ID		1031		1032		1033		1034		1035		1036	
Location		ERT/REAC COM		ERT/REAC COM		BARCLAY/WEST		CHURCH/DEY		LIBERTY/BROADWY		GREENICH/ALBANY	
Air Volume (L)		1328		1328		1074		1068		1070		1076	
Parameter	Analysis Method	Conc µg/m³	MDL µg/m³	Conc µg/m³	MDL µg/m³	Conc µg/m³	MDL µg/m³	Conc µg/m³	MDL µg/m³	Conc µg/m³	MDL µg/m³	Conc µg/m³	MDL µg/m³
Aluminum	ICAP	U	0.94	U	0.94	3.6	1.2	3.8	1.2	2.4	1.2	3.4	1.2
Antimony	AA-Fur	U	0.038	U	0.038	0.33	0.047	0.25	0.047	0.084	0.047	U	0.046
Arsenic	AA-Fur	U	0.038	U	0.038	U	0.047	U	0.047	U	0.047	U	0.046
Barium	ICAP	U	0.094	U	0.094	0.16	0.12	0.12	0.12	U	0.12	0.23	0.12
Beryllium	ICAP	U	0.038	U	0.038	U	0.047	U	0.047	U	0.047	U	0.046
Cadmium	ICAP	U	0.094	U	0.094	U	0.12	U	0.12	U	0.12	U	0.12
Calcium	ICAP	U	1.9	U	1.9	41	2.3	38	2.3	17	2.3	35	2.3
Chromium	ICAP	U	0.094	U	0.094	U	0.12	U	0.12	0.12	0.12	0.17	0.12
Cobalt	ICAP	U	0.19	U	0.19	U	0.23	U	0.23	U	0.23	U	0.23
Copper	ICAP	U	0.19	U	0.19	5.5	0.23	1.5	0.23	0.75	0.23	U	0.23
Iron	ICAP	U	0.47	U	0.47	17	0.58	6.6	0.59	5.1	0.58	7.2	0.58
Lead	AA-Fur	U	0.038	U	0.038	4.3	0.23	1.7	0.047	0.69	0.047	0.38	0.046
Magnesium	ICAP	U	9.4	U	9.4	U	12	U	12	U	12	U	12
Manganese	ICAP	U	0.094	U	0.094	0.28	0.12	U	0.12	0.15	0.12	U	0.12
Nickel	ICAP	U	0.19	U	0.19	U	0.23	U	0.23	U	0.23	U	0.23
Potassium	ICAP	U	38	U	38	U	47	U	47	U	47	U	46
Selenium	AA-Fur	U	0.038	U	0.038	U	0.047	U	0.047	U	0.047	U	0.046
Silver	ICAP	U	0.094	U	0.094	U	0.12	U	0.12	U	0.12	U	0.12
Sodium	ICAP	U	9.4	U	9.4	U	12	U	12	U	12	U	12
Thallium	AA-Fur	U	0.094	U	0.094	U	0.12	U	0.12	U	0.12	U	0.12
Vanadium	ICAP	U	0.19	U	0.19	U	0.23	U	0.23	U	0.23	U	0.23
Zinc	ICAP	U	0.19	0.39	0.19	8.1	0.23	3.6	0.23	1.7	0.23	0.96	0.23

MDL denotes Method Detection Limit
U denotes less than the MDL (not detected)
Average Media Blank concentration (>=MDL) subtracted from all sample results

NYC-WTC_000148523

NYC 9/11 Public Portal Document

Table 1 Results of the Analysis for Metals in Air
New York (WTC) ER site

Client ID		1037		1038		1039		1040	
Location		ALBANY/SOUTH END #		RECTOR/SOUTH END @		LIBERTY/SOUTH END $		LOC 3 SW WTC &	
Air Volume (L)		1076		1072		1064		1058	
Parameter	Analysis Method	Conc µg/m³	MDL µg/m³	Conc µg/m³	MDL µg/m³	Conc µg/m³	MDL µg/m³	Conc µg/m³	MDL µg/m³
Aluminum	ICAP	1.5	1.2	1.6	1.2	1.8	1.2	3.1	1.2
Antimony	AA-Fur	U	0.046	U	0.047	U	0.047	0.19	0.047
Arsenic	AA-Fur	U	0.046	U	0.047	U	0.047	U	0.047
Barium	ICAP	U	0.12	U	0.12	U	0.12	U	0.12
Beryllium	ICAP	U	0.046	U	0.047	U	0.047	U	0.047
Cadmium	ICAP	U	0.12	U	0.12	U	0.12	0.20	0.12
Calcium	ICAP	7.7	2.3	7.1	2.3	15	2.3	44	2.4
Chromium	ICAP	0.13	0.12	U	0.12	U	0.12	U	0.12
Cobalt	ICAP	U	0.23	U	0.23	U	0.23	U	0.24
Copper	ICAP	U	0.23	U	0.23	U	0.23	2.1	0.24
Iron	ICAP	2.5	0.58	2.4	0.58	2.3	0.59	4.4	0.59
Lead	AA-Fur	0.062	0.046	U	0.047	U	0.047	5.4	0.24
Magnesium	ICAP	U	12	U	12	U	12	U	12
Manganese	ICAP	U	0.12	U	0.12	U	0.12	U	0.12
Nickel	ICAP	U	0.23	U	0.23	U	0.23	U	0.24
Potassium	ICAP	U	46	U	47	U	47	U	47
Selenium	AA-Fur	U	0.046	U	0.047	U	0.047	U	0.047
Silver	ICAP	U	0.12	U	0.12	U	0.12	U	0.12
Sodium	ICAP	U	12	U	12	U	12	U	12
Thallium	AA-Fur	U	0.12	U	0.12	U	0.12	U	0.12
Vanadium	ICAP	U	0.23	U	0.23	U	0.23	U	0.24
Zinc	ICAP	0.44	0.23	0.47	0.23	U	0.23	6.3	0.24

MDL denotes Method Detection Limit
U denotes less than the MDL (not detected)
Average Media Blank concentration (>=MDL) subtracted from all sample results

NYC-WTC_000148524

NYC 9/11 Public Portal Document

Number of Sites Sampled since 9/11/01: (By DEP or Contractors)

Location	# Samples Taken
37 sites surrounding lower Manhattan =	2980
4 Schools in Vicinity of Ground Zero =	476
Outer borough Samples =	408
Total =	3864

Total # Samples found with TEM > 70 = 9 0r 0.2%

Overload Sites = 19

NYC-WTC_000148525

NYC 9/11 Public Portal Document

U.S. Environmental Protection Agency (*www.epa.gov*)
Air / Bulk / Wipe/ Water Sampling Situation Report
Tuesday, October 16, 2001 (12:00 noon)

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Oct 12, 0001 to 1200 hrs)
  - Resubmittal of results from Sunday, October 14 Sampling Situation Report with additional data for two stations (Locations I and Q) previously not reported.
  - Additional 2 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Oct 12, 1200 to 2400 hrs)
  - All 20 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Oct 13, 0001 to 1200 hrs)
  - All 20 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Oct 13, 1200 to 2400 hrs)
  - All 20 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Oct 14, 1200 to 2400 hrs)
  - All 20 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Oct 15, 0001 to 12400 hrs)
  - All 17 samples analyzed were below the TEM AHERA standard.
  - No results available for 3 additional samples due to pump failure from rain.
- NJ (Oct 12)
  - All 4 samples analyzed were below the TEM AHERA standard.
- NJ (Oct 13)
  - All 4 samples analyzed were below the TEM AHERA standard.
- NJ (Oct 14)
  - All 4 samples analyzed were below the TEM AHERA standard.

Landfill Ambient Air Sampling Locations

- Fresh Kills (Oct 9, 0630 - 2000 hrs) - Asbestos
  - All 17 samples were below the TEM AHERA standard.

WWW.

NYC-WTC_000148526

NYC 9/11 Public Portal Document

- Fresh Kills (Oct 13, 0600 - 1900 hrs) - Asbestos
  - All 17 samples were below the TEM AHERA standard.
- Fresh Kills (Oct 13, 1800 - Oct 14, 0700 hrs) - Asbestos
  - All 16 samples were below the TEM AHERA standard.
  - No results available for 1 additional sample since a volume was not recorded.
- Fresh Kills (Oct 14, 0630 - 2000 hrs) - Asbestos
  - All 17 samples were below the TEM AHERA standard.
- Fresh Kills (Oct 14) - Particulate Monitoring (Dataram)
  - General overall decrease in readings from previously reported data based on daily average concentration.
- Fresh Kills (Oct 15) - Particulate Monitoring (Dataram)
  - General overall decrease in readings from previously reported data based on daily average concentration.

Ambient Air Sampling Locations

- NYC / ER (Oct 15) - Volatile organics (TAGA)
  - Benzene exceeded OSHA TWA PEL at two locations on the debris pile in the plume at ground level.
  - South Tower (debris pile) location shows significant reduction of overall concentrations of volatile organic compounds previously detected, including benzene.

Bulk/Dust Samples

- NYC / ER (Sep 26)
  - 1 sample obtained from the lobby of 110 Greenwich did not detect any PCBs.

NYC 9/11 Public Portal Document

FAX 11:30

U.S. Environmental Protection Agency (*www.epa.gov*)
Air / Bulk / Wipe/ Water Sampling Situation Report
Monday, October 15, 2001 (12 noon)

Landfill Ambient Air Sampling Locations

- Fresh Kills (Oct 12) - Particulate Monitoring (Dataram)
  - Nothing of significance to report based on daily average concentration.
- Fresh Kills (Oct 13) - Particulate Monitoring (Dataram)
  - Nothing of significance to report based on daily average concentration.

Ambient Air Sampling Locations

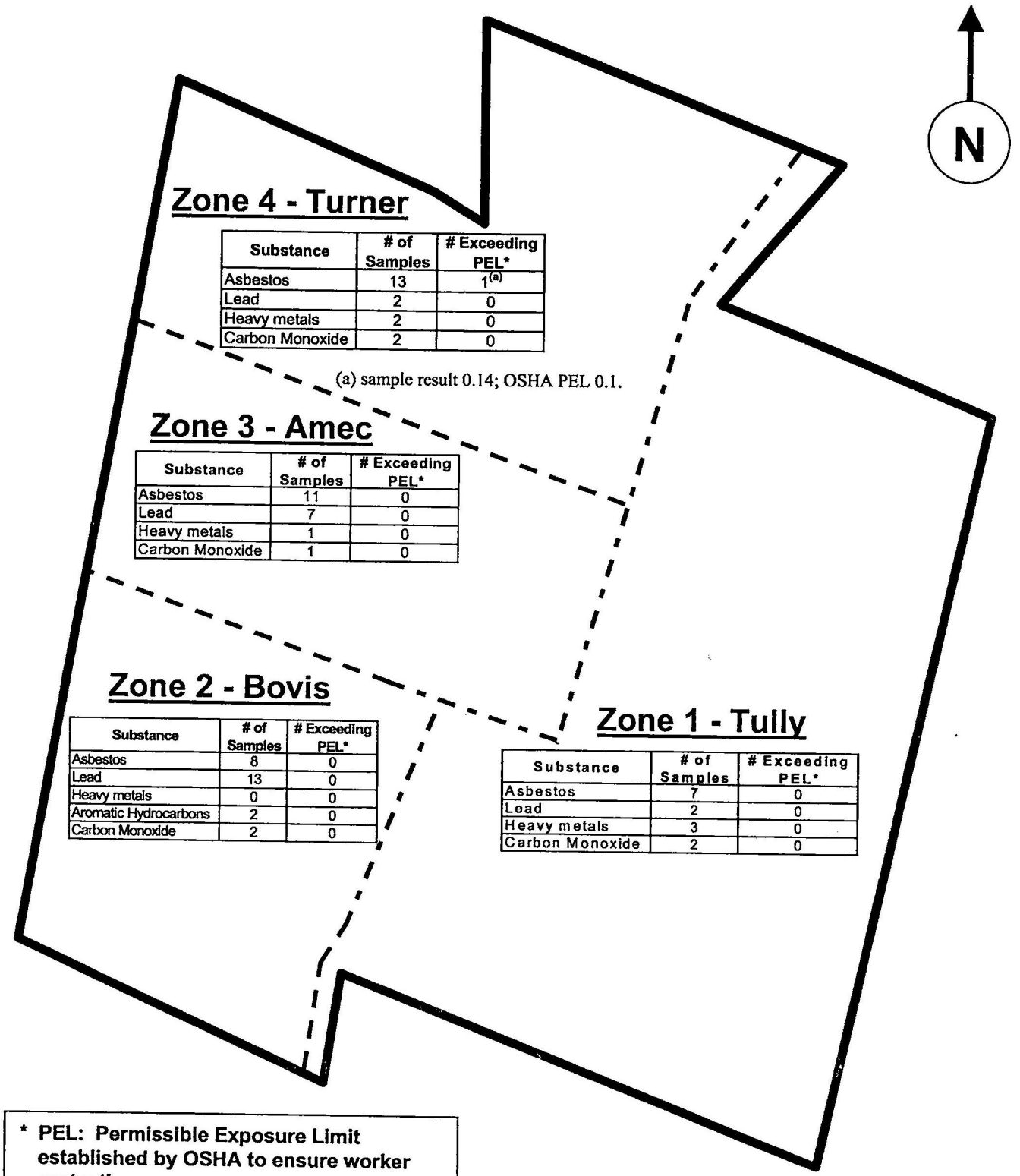
- NYC / ER (Oct 12) - Particulate Monitoring ($PM_{2.5}$)
  - Pace University (Site 1) - 24-hr average concentration for this period was 18.08 ug/m^3.
  - Manhattan Boro Community College (Site 2) - 24-hour average concentration for this period was 19.06 ug/m^3.
  - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentrations for this period was 16.65 ug/m^3.
  - All readings below the National Ambient Air Quality Standard for $PM_{2.5}$ (65 ug/m^3).
- NYC / ER (Oct 13) - Particulate Monitoring ($PM_{2.5}$)
  - Pace University (Site 1) - 24-hr average concentration for this period was 23.28 ug/m^3.
  - Manhattan Boro Community College (Site 2) - 24-hour average concentration for this period was 21.57 ug/m^3.
  - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentrations for this period was 20.45 ug/m^3.
  - All readings below the National Ambient Air Quality Standard for $PM_{2.5}$ (65 ug/m^3).
- NYC / ER (Oct 13) - Volatile organics (TAGA)
  - Benzene exceeded OSHA TWA PEL at two locations on the debris pile in the plume at ground level.
  - Benzene was not detected at three locations (Pier 25, Spruce/Park Row, and Murray/W. Broadway) away from the WTC area in the breathing zone.
  - Benzene was not detected at Austin Tobin Plaza in the breathing zone.
- NYC / ER (Oct 14) - Volatile organics (TAGA)
  - Benzene exceeded OSHA TWA PEL at two locations on the debris pile in the plume at ground level.
  - Benzene was not detected at three locations (Pier 25, Spruce/Park Row, and Murray/W. Broadway) away from the WTC area in the breathing zone.
  - Benzene was not detected at Austin Tobin Plaza in the breathing zone.

NYC-WTC_000148528

WTC EMERGENCY PROJECT

Personal (worker) Exposure Monitoring Results

Period Covered: 10/3/01 - 10/13/01



Zone 4 - Turner

Substance	# of Samples	# Exceeding PEL*
Asbestos	13	1[(a)]
Lead	2	0
Heavy metals	2	0
Carbon Monoxide	2	0

(a) sample result 0.14; OSHA PEL 0.1.

Zone 3 - Amec

Substance	# of Samples	# Exceeding PEL*
Asbestos	11	0
Lead	7	0
Heavy metals	1	0
Carbon Monoxide	1	0

Zone 2 - Bovis

Substance	# of Samples	# Exceeding PEL*
Asbestos	8	0
Lead	13	0
Heavy metals	0	0
Aromatic Hydrocarbons	2	0
Carbon Monoxide	2	0

Zone 1 - Tully

Substance	# of Samples	# Exceeding PEL*
Asbestos	7	0
Lead	2	0
Heavy metals	3	0
Carbon Monoxide	2	0

*** PEL: Permissible Exposure Limit established by OSHA to ensure worker protection.**

NYC-WTC_000148530

NYC 9/11 Public Portal Document

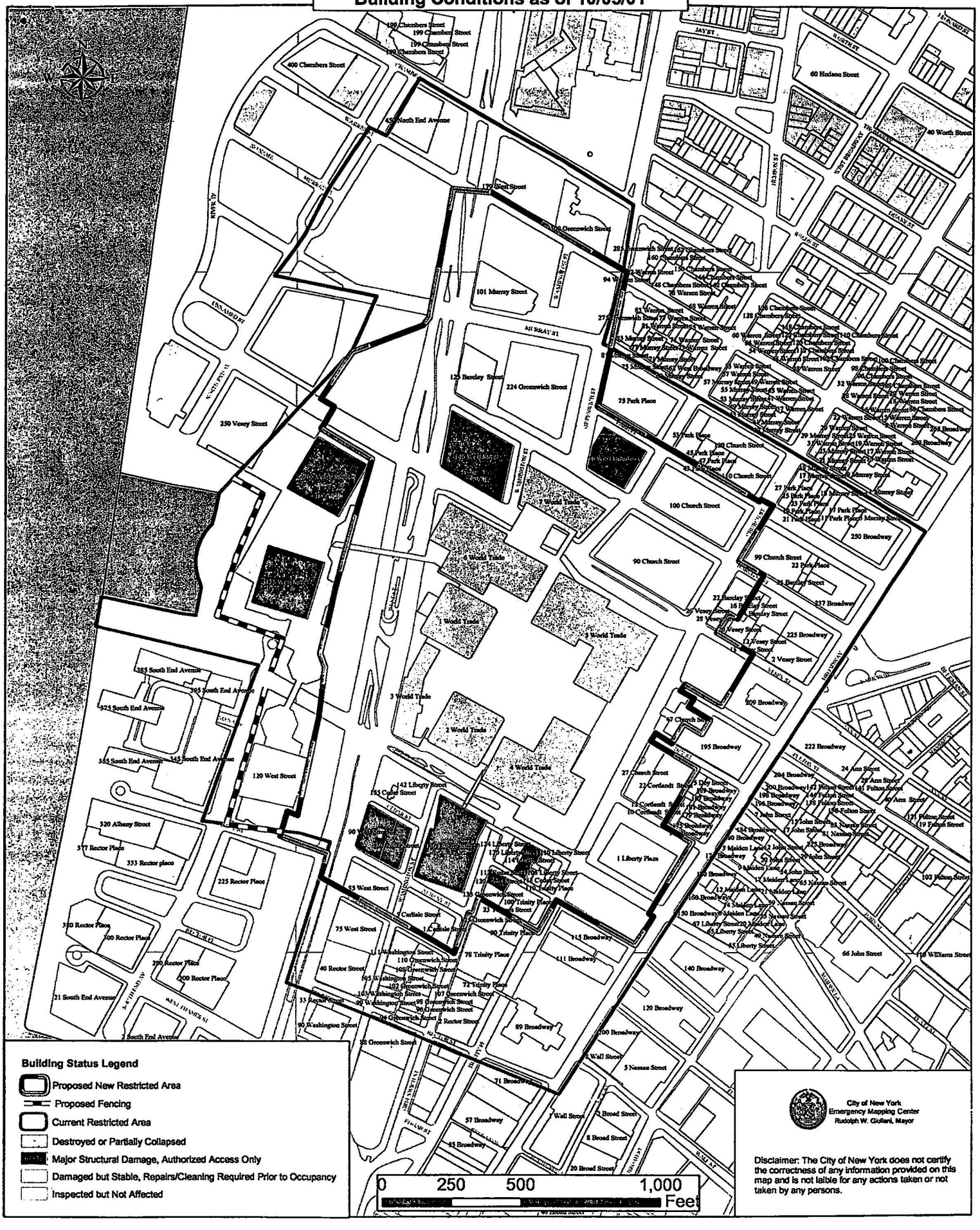
Environmental, Safety, and Health
WTC Daily Site Evaluation*
10/15/01

	Major Issues	Location	Disposition	Status
AMEC	Inadequate dust suppression.	WTC 6	Discussed with fire chief.	NEW
	Unauthorized personnel walking and private vehicles driving through work areas.	West Street between Winter Garden & rubble pile.	Unauthorized personnel and private vehicles should not be allowed in work areas.	OPEN
BOVIS	Improved rigging practices (Koch).	WTC 2	Continue with improvements.	NEW
	Inappropriate storage of flammable liquids.	Near WTC 2	Discussed with Bovis safety rep.	OPEN
	Using unsafe man baskets.	WTC 2	Discussed with Koch's crane operator, supervisor, and foreman.	OPEN
	Improper handling and transport of gas cylinders.	WTC 2	Discussed with employees and equipment operators.	OPEN
	Inconsistent use of proper PPE (e.g., hearing protections, safety glasses, respiratory protection).	WTC 2	Discussed with Bovis safety rep., management, and foremen.	OPEN
TULLY	Used damaged rigging (Xiegenfuss Drilling Inc.)	WTC 2	Removed choker from service.	NEW
	Inadequate dust suppression on rubble pile.	WTC 2	Discussed with contractor's safety rep. and Tully foreman and requested additional water trucks. Requested Tully coordinate better with FDNY.	OPEN
	Gas cylinders improperly stored.	Various locations	Contractor's safety rep. was informed.	OPEN
	Lack of fall protection.	Various locations	Discussed with contractor's safety rep.	OPEN
	Inappropriate storage of flammable liquids.	Church & Liberty	Discussed with safety rep.	OPEN
	Inconsistent use of proper PPE (e.g., safety glasses, respirators).	All areas	Discussed with contractor's safety personnel.	OPEN
TURNER	Operators eating and drinking on rubble pile.	Rubble pile	Discussed with Turner safety rep.	NEW
	Lack of flash arrestors on cutting torches.	Various locations	Discussed with Seasons safety rep.	OPEN
	Inconsistent use of proper PPE, particularly respiratory protection on pile.	WTC 7	Discussed with Seasons safety rep.	OPEN
	Inadequate backup alarm on heavy equipment.	WTC 7	Discussed with Seasons safety rep.	OPEN
	Gas cylinders improperly stored.	WTC 7 by Baldwin Crane	Discussed with Seasons safety rep.	OPEN
OTHERS	Food and water still being brought to pile.	Various locations	Discussed with persons bringing the food and water.	NEW
	Inadequate use of sanitation facilities by equipment and truck operators.	Various locations	Discussed with applicable contractor safety reps.	NEW
	Gas cylinders not segregated.	Various locations	Discussed with contractor's respective safety reps.	NEW
	Unauthorized personnel on site and not wearing proper work clothing (shorts, sneakers, baseball caps).	All areas	Unauthorized personnel should not be allowed to enter work zones.	OPEN
	Gators and other small vehicles still going excessive speeds; also should have flags, lights, etc. to increase visibility.	All areas	All organizations on site should be required to operate vehicles safe and maintain speeds below 10 mph within work areas.	OPEN
	Crane setup and operating deficiencies as noted on report of 10/9/01.	All areas	See 10/9/01 report; deficiencies still being counted.	OPEN
	Large number of NYPD spectators near pile without proper PPE.	All areas	Request assistance from NYPD to comply with safety requirements.	OPEN
	Traffic control is very congested and speeding continues.	AMEC entrance	Discussed with all contractor reps.	OPEN
	Personal (worker) exposure monitoring: 9 asbestos (PCM), 19 lead, and 4 respirable dust; all below PEL.	Various workers	Will continue sampling.	NEW

*Site assessments are conducted daily in the WTC disaster area. The primary focus is to identify and correct any major unsafe practices and unsafe conditions.

NYC 9/11 Public Portal Document

Building Conditions as of 10/05/01



NYC-WTC_000148531

NYC 9/11 Public Portal Document

1. Number surveys and inspections conducted over 500

2. The results of the review of sampling data submitted by the building owners are as follows:

   Bulk samples collected 1,478
   Positive Bulk Samples 105 (greater than 1%)

   Air Samples collected

Phase Contrast Microscopy(PCM)	74,459
Positive PCM sample results	761
Transmission Electron Microscopy(TEM)	35,438
Positive TEM sample results	105

   Clean-ups were conducted after positive samples

3. Total number of outdoor air samples collected by DEP 3,888
   Number of positive samples 9

NYC 9/11 Public Portal Document

North Chambers to Battery Pl. West of Bway to Hudson River — Bway to Pearl St (East) Brklyn Bridge (North) to Brklyn

Asbestos Control Program

	Phase I	Phase II	Total
Number of Inspections (includes repeat inspections)	247	216	463
Number of Buildings	**240**	**195**	**435**
Number of clean buildings	129	95	224(52%)
Number of buildings with debris (Roof and/or Façade and/or setback)	98	98	196(48%)
No access	13	2	15

98 — 33 facades only, 66 roofs only, 88 roofs & facades & other

Sampling Results as of 1/25/2002 morning

Number of buildings with Asbestos (Greater than 1%)	11

2/25/02

NYC 9/11 Public Portal Document

USEPA Dust and Air Analytical Results from 9/12/01 Sampling Event

Ground Zero Seven dust/fibrous materials samples were collected in the vicinity of Ground Zero. All samples contained less than 1% asbestos (Chrysotile). Three samples contained less than 1% amosite. Nine air samples were collected and analyzed for asbestos which was not detected in any samples.

Brooklyn Air Sampling Five dust/fibrous materials samples were collected in South Brooklyn and Brooklyn Heights. All samples contained less than 1% asbestos (Chrysotile). Twelve air samples were analyzed for asbestos which was not detected in any air samples.

Methodology

Air samples were analyzed by TEM EPA 40CFR763 AHERA.
Dust samples were analyzed by PLM - EPA-600 R-93/116.

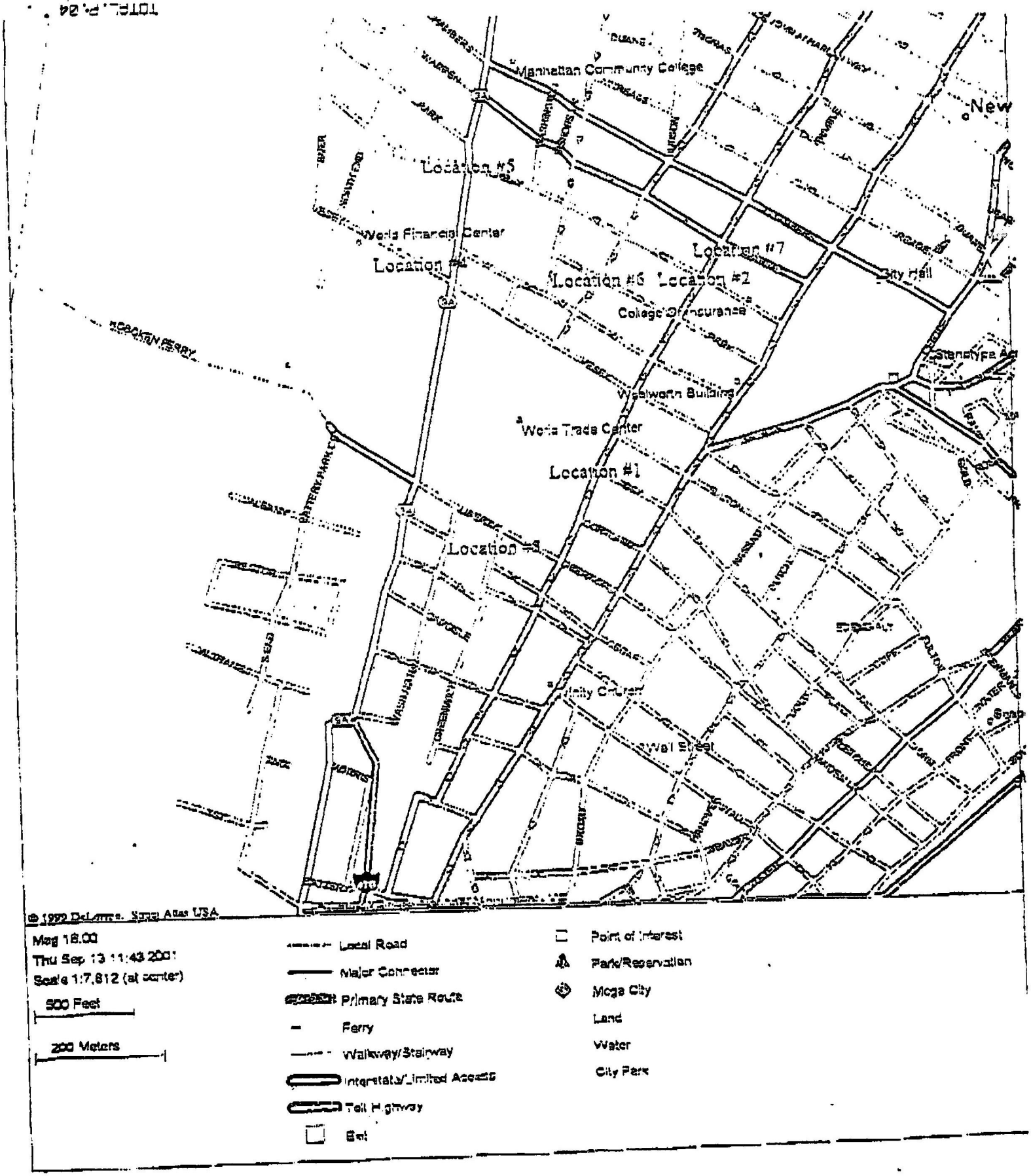
NYC-WTC_000148534

NYC 9/11 Public Portal Document

NYER Asbestos Samples Results						
				Asbestos Concentration		
Date Sampled	Sample Number	Sample Location	Matrix	PLM % Type	IR Screening method	TEM
9/12/01 0:00	00930	NYSC-Comp	Dust	ND	No	
9/12/01 0:00	00931	REM	Dust	ND	Yes	
9/12/01 0:00	00932	Congress	Dust	<1% Chrysotile	No	
9/12/01 0:00	00933	Deghen-car	Dust	ND	Yes	
9/12/01 0:00	00934	Deghen-grnd	Dust	0.5% Chrysotile	Yes	
9/12/01 0:00	00921	NYSC-Pole1	Vacuum			ND
9/12/01 0:00	00922	NYSC-walkway	Vacuum			ND
9/12/01 0:00	00923	Cran1-Ledge	Vacuum			ND
9/12/01 0:00	00924	Cran2-Truck	Vacuum			ND
9/12/01 0:00	00925	REM	Vacuum			ND
9/12/01 0:00	00926	REM-Honda	Vacuum			ND
9/12/01 0:00	00927	Congress	Vacuum			ND
9/12/01 0:00	00928	Deghen-acura	Vacuum			ND
9/12/01 0:00	00929	eghen-acura d	Vacuum			ND
9/12/01 0:00	00593	Field Blank	Vacuum			ND
9/12/01 0:00	00594	Lot Blank	Vacuum			ND
9/12/01 0:00	00595	Trip Blank	Vacuum			ND
9/12/01 0:00	00771	#4 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00772	#5 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00773	#6 Bulk	Dust	<1% Chrysotile, <1% Amosite	Yes	
9/12/01 0:00	00774	#7 Bulk	Dust	<1% Chrysotile, <1% Amosite	No	
9/12/01 0:00	00775	#1 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00776	#4 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00854	#2 Bulk	Dust	<1% Chrysotile, <1% Amosite	No	
9/12/01 0:00	00777	Loc# 1	Air			ND
9/12/01 0:00	00853	Loc# 2	Air			ND
9/12/01 0:00	00778	Loc# 3	Air			ND
9/12/01 0:00	00779	Loc# 4	Air			ND
9/12/01 0:00	00780	Loc# 4 Dup	Air			ND
9/12/01 0:00	00851	Loc# 5	Air			ND
9/12/01 0:00	00852	Loc# 6	Air			ND
9/12/01 0:00	00935	Trip Blank	Air			ND
9/12/01 0:00	00936	Lot Blank	Air			ND
ND - Nondetect; Vacuum - Dust sample collected using Microvacuum						

NYC-WTC_000148535

TOTAL P.04



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NYC-WTC_000148537

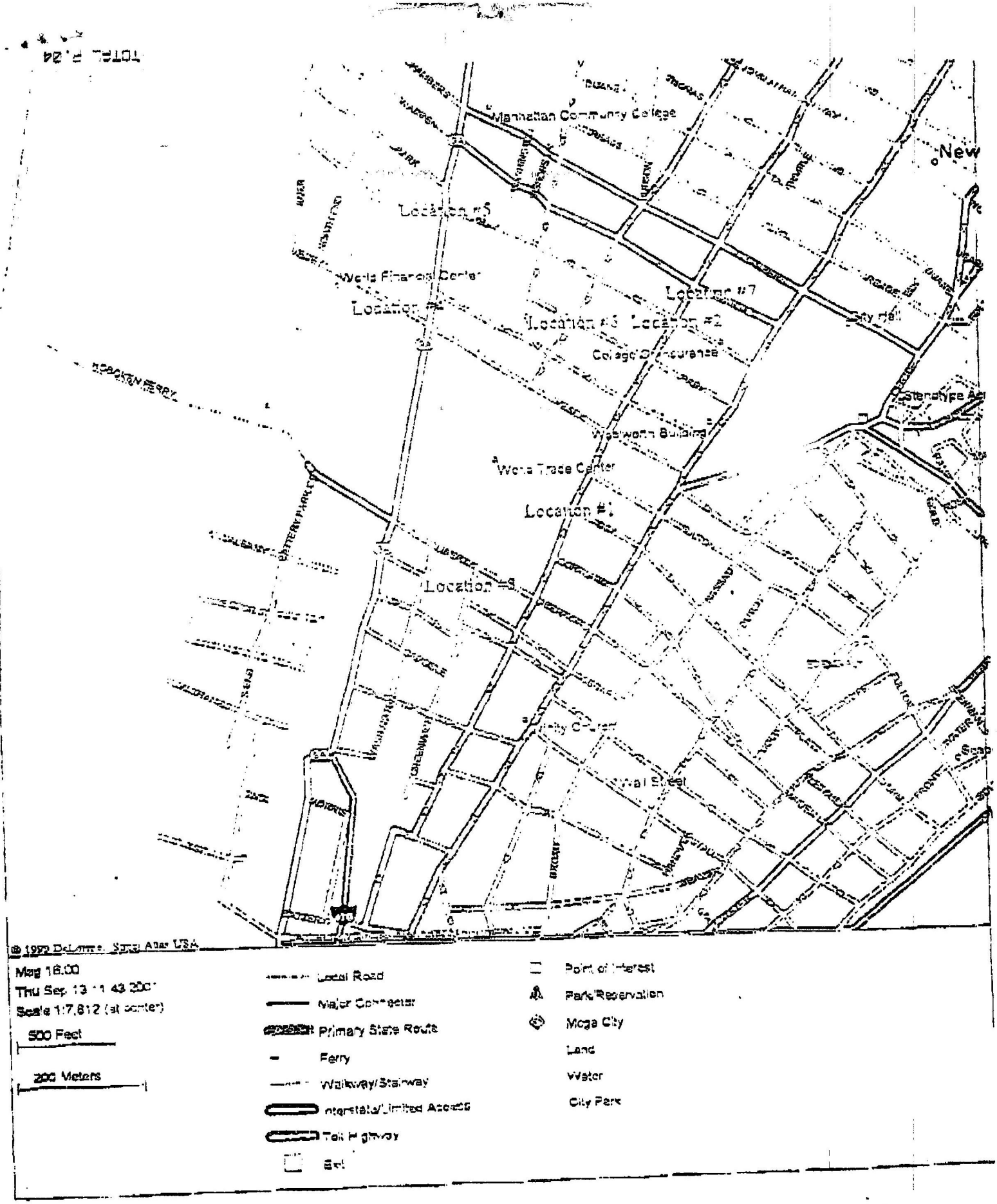
NYC 9/11 Public Portal Document

SEP-13-2001 15:19 NYS ENCON.REGION2 7184824026 P.02/04

NYFR Asbestus Samples Results

Date Sampled	Sample Number	Sample Location	Matrix	Asbestos Concentration PLM % Type	IR Screening method	TEM
9/12/01 0:00	00930	NYSC Comp	Dust	ND	Nu	
9/12/01 0:00	00931	REM	Dust	ND	Yes	
9/12/01 0:00	00932	Congress	Dust	<1% Chrysotile	No	
9/12/01 0:00	00933	Deghen car	Dust	ND	Yes	
9/12/01 0:00	00934	Deghen-grnd	Dust	0.5% Chrysotile	Yes	
9/12/01 0:00	00921	NYSC-Pole1	Vacuum			ND
9/12/01 0:00	00922	NYSC-walkway	Vacuum			ND
9/12/01 0:00	00923	Cran1-Ledge	Vacuum			ND
9/12/01 0:00	00924	Cran2-Truck	Vacuum			ND
9/12/01 0:00	00925	REM	Vacuum			ND
9/12/01 0:00	00926	REM-Honda	Vacuum			ND
9/12/01 0:00	00927	Congress	Vacuum			ND
9/12/01 0:00	00928	Deghen acura	Vacuum			ND
9/12/01 0:00	00929	eghen-acura d	Vacuum			ND
9/12/01 0:00	00593	Field Blank	Vacuum			ND
9/12/01 0:00	00594	Lot Blank	Vacuum			ND
9/12/01 0:00	00595	Trip Blank	Vacuum			ND
9/12/01 0:00	00771	#4 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00772	#5 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00773	#6 Bulk	Dust	<1% Chrysotile, <1% Amosite	Yes	
9/12/01 0:00	00774	#7 Bulk	Dust	<1% Chrysotile, <1% Amosite	No	
9/12/01 0:00	00775	#1 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00776	#4 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00854	#2 Bulk	Dust	<1% Chrysotile, <1% Amosite	No	
9/12/01 0:00	00777	Loc# 1	Air			ND
9/12/01 0:00	00853	Loc# 2	Air			ND
9/12/01 0:00	00778	Loc# 3	Air			ND
9/12/01 0:00	00779	Loc# 4	Air			ND
9/12/01 0:00	00780	Loc# 4 Dup	Air			ND
9/12/01 0:00	00851	Loc# 5	Air			ND
9/12/01 0:00	00852	Loc# 6	Air			ND
9/12/01 0:00	00935	Trip Blank	Air			ND
9/12/01 0:00	00936	Lot Blank	Air			ND

ND - Nondetect Vacuum - Dust sample collected using Microvacuum


Manhattan Community College
World Financial Center
Location #5
Location #7
Location #4
Location #6
Location #2
College Of Insurance
Location #1
Location #3
City Hall
Stenotype Academy
Woolworth Building
World Trade Center
Vesey Street
Fulton
Broadway
Nassau
Liberty
Cortlandt
Park Place
Barclay
Vesey
Dey
Fulton
Murray
Warren
Chambers
Reade
Duane
Thomas
Worth
Church
West
Greenwich
Hudson
Varick
Canal
Spring
Broome
Grand
Delancey
Essex
Clinton
Attorney
Pitt
Avenue C
Avenue D
Manhattan Bridge
Brooklyn Bridge
Williamsburg Bridge
Queensboro Bridge
Queens Midtown Tunnel
Holland Tunnel
Lincoln Tunnel
Staten Island Ferry
Brooklyn
Queens
New Jersey
Jersey City
Hoboken
Weehawken
Secaucus
Kearny
Harrison
Newark
Bayonne
Elizabeth
Port Newark
Port Elizabeth
Newark Airport
Liberty State Park
Ellis Island
Governors Island
Upper New York Bay
Hudson River
East River
Kill Van Kull
Newark Bay
Arthur Kill
Staten Island
Verrazano-Narrows Bridge
Goethals Bridge
Outerbridge Crossing
Bayonne Bridge
Goethals Rd
Richmond Ter
Bay St
Victory Blvd
Hylan Blvd
Forest Ave
Port Richmond Ave
Jersey Ave
Communipaw Ave
Garfield Ave
Bergen Ave
Kennedy Blvd
Tonnelle Ave
Paterson Plank Rd
Secaucus Rd
Meadowlands Pkwy
Harrison Ave
Frank E Rodgers Blvd
Broad St
Market St
Mulberry St
Lafayette St
Elizabeth St
Mott St
Bowery
Allen St
Pitt St
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NYC 9/11 Public Portal Document

USEPA Dust and Air Analytical Results from 9/12/01 Sampling Event

Ground Zero Seven dust/fibrous materials samples were collected in the vicinity of Ground Zero. All samples contained less than 1% asbestos (Chrysotile). Three samples contained less than 1% amosite. Nine air samples were collected and analyzed for asbestos which was detected in any samples.

Brooklyn Air Sampling Five dust/fibrous materials samples were collected in South Brooklyn and Brooklyn Heights. All samples contained less than 1% asbestos (Chrysotile). Twelve air samples were analyzed for asbestos which was not detected in any air samples.

Methodology

Air samples were analyzed by TEM EPA 40CFR763 AHERA.
Dust samples were analyzed by PLM - EPA-600 R-93/116

NYC-WTC_000148539

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INFORMATION REQUIRED FOR THE DECLARATION OF EMERGENCY TO ENGAGE OUTSIDE LABORATORY FOR THE COLLECTION OF AIR SAMPLES ASSOCIATED WITH THE WORLD TRADE CENTER CRISIS:

A. SCOPE OF WORK:

1. Air Sampling will occur daily at the twenty sites listed below. (Site locations may change periodically).

2. All equipment needed for air sampling, (i.e. electric generators, air sampling pumps, etc.) Will be provided by the vendor.

3. Each sampling point shall be manned at all times while sampling is in progress.

4. Samples are to be collected after 0800 hours each day with the PCM results to be provided to DEP no later than 2100 hours each evening. The results shall be e-mailed to selected individuals within DEP.

5. Certain samples may require analysis using Transmission Electron Microscopy (TEM). The TEM results will be provided no later than 1600 hours on the following day. The TEM results will also be e-mailed and faxed to the designated individuals.

6. Air Sampling Sites:

Site #	Location Sampled
4	River Terrace & Chambers St
6A	River Terrace Park Area Between Park Place & Warren
7	Warren St. & North End Avenue
8	West Street & Warren St.
9	Rver Terrace & Park Place West
10	North End Ave & Park Place West
11	Murray & Greenwich.
12	Murray & Church St
15	Park Place & Greenwich
16	Park Place & Church
17	River Terrace & Vesey St
20A	Vesey & West Broadway
21	Fulton & Church St.
27	Gateway Plaza Park Area
29	Trinity Place & Thames St.
31	South End Ave & Albany St
32	West St & Albany
33A	Rector Pl by the Park

Mike
Here's
a
draft
BR

NYC-WTC_000148540

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34 W. Thames St - Along Waterfront
37 West of Third Place

B. ESTIMATED TIME FRAME.

Approximately 6 months.

C. ESTIMATED COST.

$ 400,000

D. JUSTIFICATION FOR CONTRACT.

Following the September 11th incident, DEP has been asked to monitor the air in the vicinity surrounding the World Trade Center.

D. LIST OF CONTACTED BIDDERS.

	Name	Cost
1.	Riverpoint Environmental Consultants	$1900 daily + $80 ea TEM sample
2.	Pednault Associates	$2500 daily + $80 ea TEM sample
3.	Independent Testing Labs	No Bid
4.	Environmental Testing Labs	No Bid
5.	National Testing Labs Inc.	No Bid

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Number of Sites Sampled from 9/11/01 to 3/6/02 (By DEP or Contractors)

Location

 # Samples Taken

37 sites surrounding lower Manhattan = 3540

4 Schools in Vicinity of Ground Zero = 616

Outer borough Samples = 408

Total = 4564

Total # Samples found with TEM > 70 = 9 0r 0.19%

Overload Sites = 19

Sites with TEM's Greater than 70 s/sqmm

DATE	SITE #	SITE LOCATION	TEM
9-15-01	12	MURRAY & CHURCH	120.18
9-16-01	12	MURRAY & CHURCH	78.74
9-16-01	11	MURRAY & GREENWICH	78.74
9-18-01	12	MURRAY & CHURCH	110.24
9-18-01	19	VESEY & WEST	157.48
9-19-01	12	MURRAY & CHURCH	122.48
9-19-01	8	WARREN & NORTH END AVE	149.61
9-21-01	8	WARREN & NORTH END AVE	78.74
9-24-01	32	WEST & ALBANY	78.74

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The City of New York

Department of Environmental Protection

59-17 Junction Boulevard
Corona, New York
11368-5107

Joel A. Miele Sr., P.E.
Commissioner

Robert C. Avaltroni
Deputy Commissioner

Bureau of Environmental Compliance
Tel (718) 595-4418
Fax (718) 595-4422

PHONE MEMO

TO M
FROM Vincent Colucci
OF DOH
DATE 3/19
TIME 3:25 AM PM
AREA CODE 212
NO. 788-4661
EXT.

MESSAGE

fax 212- 788- 431-2585
845-818-3552

PHONED | CALL | RETURNED CALL | WANTS TO SEE YOU | WILL CALL AGAIN | WAS IN | URGENT | SIGNED

SEND TO FAX #: 212-431-2585

DELIVER TO: Vincent Colucci

FROM: Mike Gilsenan

TELEPHONE #: 718 595-4543

 # OF PAGES FOLLOWING 2

COMMENTS:

Before releasing, please give us a draft copy to review. to ensure we're on the same page.

Thanks,

Mike

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP
www.nyc.gov/dep
(718) DEP-HELP

NYC-WTC_000148543

NYC-WTC_00014854

NYC 9/11 Public Portal Document

INDOOR SAMPLING

Results of the sampling data submitted by building owners to date

BULK	
Bulk samples collected	1,999
Positive Bulk Samples (greater than 1% asbestos)	128
AIR	
Air Samples collected	111,768
Phase Contrast Microscopy(PCM)	75,275
Positive PCM sample results (greater than 0.01f/cc)	780
Transmission Electron Microscopy(TEM)	36,493
Positive TEM sample results (greater than 70 s/mm^2)	108

as of 3/4/2002

NYC-WTC_000148545

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DEP'S AMBIENT ASBESTOS AIR SAMPLING RESULTS -

SUMMARY

- 3540 samples collected from network of stations around ground zero
- 616 samples collected in front of 4 schools
- 408 samples collected from outer boroughs
- Total number of samples 4564
- Only 9 (0.2%) samples were above the std

as of 2/6/02

NYC 9/11 Public Portal Document

D.C. Robert Avaltroni TEL Mar 18 02 15:28

Transmit Confirmation Report

No.	:	002
Receiver	:	918458183552
Transmitter	:	D.C. Robert Avaltroni
Date	:	Mar 18 02 15:28
Time	:	01'13
Mode	:	Norm
Pages	:	03
Result	:	OK

NYC-WTC_00014854

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I	>.03 ng/m^3	*Risk-based screening level for residential setting (E-04 x 1yr)	Aggressive cleaning - if levels persist, take additional action to reduce exposure
II	.001 ng/m^3 (or background) - .03 ng/m^3	.001 ng/m^3 -* Risk based screening level for residential setting (E-04 x 30 yr)	Maintain recommended (diligent wet/HEPA) cleaning methods -consider additional monitoring
III	< .001 ng/m^3 (or background)	Determination of local background	No further action

*based on proposed dioxin cancer slope factor

Asbestos

NYC 9/11 Public Portal Document

WORLD T RADE CENTER INCIDENT - 9/11/01		
SAMPLE RESULTS		
SAMPLE #	**LOCATION**	**RESULT**
1	23 Barclay Street	1% chrysotile
2	217 Broadway	4% chrysotile
3	Church St & Vesey St	negative
4	North east Church St & Vese	1.3% chrysotile
5	Across 90 Church Street	negative
6	Barclay St & Church St	4.8% chrystotile
7	Warren St & Church St	trace
8	Church St & Murray St	less than 1%
9	Park Place & Church St	4% chrystotile
10	Church St & Dey St	less than 1%
11	urch St & Cortland	less than 1% chrysotile

Post-it® Fax Note 7671 | Date | # of pages ▶
To Jane / Mike G. | From James
Co./Dept. | Co.
Phone # | Phone #
Fax # 4544 | Fax #

NYC-WTC_000148548

NYC-WTC_000148549

NYC 9/11 Public Portal Document

Sample #	Location	Matrix	Lead Conc	Asbestos	Total VOCs, ppbv
111981	Corner of Greenwich & Warren St	Dust	120 mg/Kg	< 1% Chrysotile	NA
	NYC				
111980	Corner of Reade & Hudson St	Dust	250 mg/Kg	< 1% Chyrsotile	NA
	NYC				
111979	Corner of Murray St & West Side	Dust	200 mg/Kg	4.49% Chrysotile	NA
	NYC			< 1% Amosite	
111978	Corner of West Broadway & Warren	Dust	170 mg/Kg	None Detected	NA
	NYC				
307/561	Remsen St @ Promenade	Air	ND	0.0048 S/cc Chrysotile	42*
	Brooklyn				
562	Remsen St @ Promenade	Air	ND	0.0048 S/cc Chrysotile	NA
	Brooklyn				
308/563	Cranberry St @ Columbia	Air	ND	None Detected	ND
	Brooklyn				
309/564	Congress St @ Columbia	Air	ND	0.0048 S/cc Chrysotile	ND
	Brooklyn				
310/565	Court St @ Montague	Air	ND	None Detected	10
	Brooklyn				
416/667/668	near Command Center	Air	ND	None Detected	0.6J
	Liberty Park				
417/665/666	near Command Center	Air	ND	None Detected	0.6J
	Liberty Park				
418/661/664	looking at Ellis Island	Air	ND	None Detected	0.6J
	Liberty Park				
419/664/663	looking at World Trade Center	Air	ND	None Detected	ND
	Liberty Park				

* 3 ppb toluene, 7 ppb benzene, 1 ppb ethylbenzene, 3 ppb styrene, 1 ppb m & p xylene, 3 ppb chloromethane
5 ppb trichlorofluoromethane, 19 ppb non target freon compounds

NYC-WTC_000148550

NYC 9/11 Public Portal Document

DRAFT

Environmental Monitoring Update
Data reported to NYC DOH 9/26/01 as of 4 pm

Asbestos

Ambient air monitoring

Agency	Date	Location	N samples	N above 0.01 fibers/cc *	N above OSHA PEL @	Maximum (fibers/cc)	Comment
USEPA	**9/22/01-9/23/01**	Fresh Kills Landfill	12	0	0	--	All were less than detection limit; highest detection limit was <0.011 by TEM.
		Inside controlled zone	18	5	0	0.016 by PCM	Highest was Location #A at Location A, W. Broadway & Barclay. TEM was <0.004.
		Perimeter of controlled zone	6	0	0	0.006 by PCM	All were less than detection limit; highest detection limit was <0.006 by PCM.
		Neighborhood near controlled zone	4	0	0	0.005 by PCM	Highest locations were #H One Chase Plaza and also #M Broad & Liberty. TEM was <0.004.

NYC-WTC_00014855

NYC 9/11 Public Portal Document

DRAFT

This data was rec'd from DEP today - Ambient air monitoring

Agency	Date	Location	N samples	N above 0.01 fibers/cc *	N above OSHA PEL @	Maximum (fibers/cc)	Comment
NYCDEP	**9/15/01-9/16/01**	Inside controlled zone	4	4	0	0.076 PCM	Highest value sampled at Greenwich and Park Place. No TEM given.
		Perimeter of controlled zone	15	15	0	0.050 PCM	Highest value sampled at Murray between Church and Broadway. No TEM given
	9/17/01-9/18/01	Perimeter of controlled zone	10	9	0	0.062 PCM	Highest value sampled at Liberty and Barclay. No TEM given
		Battery Park City	1	0	0	0.007 PCM	Highest value sampled at West end of Warren St. No TEM given
	9/19/01-9/20/01	Inside controlled zone	1	1	0	0.012 PCM	Highest value sampled at River Terrace and Vesey St. No TEM given
		Perimeter of controlled zone	4	2	0	0.020 PCM	Highest value sampled at Fulton and Church. No TEM given
		Battery Park City North	11	4	0	0.050 PCM	Highest value sampled at North End Ave and Park Place west. No TEM given
		Battery Park City South	12	4	0	0.050 PCM	Highest value sampled at West St and Albany. No TEM given
	9/20/01-9/21/01	Perimeter of controlled zone	9	0	0	0.008 PCM	Highest value sampled at Fulton and Church. No TEM given
		Battery Park City North	6	2	0	0.02 PCM	Highest value sampled at North End Ave and River Terrace. No TEM given
		Battery Park City South	6	1	0	0.014 PCM	Highest value sampled at Gateway Plaza and Park. No TEM given

NYC-WTC_000148552

NYC 9/11 Public Portal Document

Agency	Date	Location	N samples	N above 0.01 fibers/cc *	N above OSHA PEL @	Maximum (fibers/cc)	Comment
NYCDEP (continued)	**9/22/01**	Perimeter of controlled zone	4	1	0	0.010 PCM	Highest value sampled at Murray and Church
		Battery Park City North	6	0	0	0.009 PCM	Highest value sampled at River Terrace and Chambers. No TEM given
		Battery Park City South	6	1	0	0.010 PCM	Highest at West St. & Albany also Gateway Plaza Park Ave.
	9/23/01 – 9 /2401	Perimeter of controlled zone	11	3	0	0.017 PCM	Highest value sampled at Murray and Church. No TEM given.
		Battery Park City North	12	1	0	0.012 PCM	Highest value sampled at North End and Park Pl West. No TEM given.
		Battery Park City South	12	5	0	0.039 PCM	Highest value sampled at Rector Place by City Hall Park. No TEM given.

* Approximately equivalent to indoor clearance level for residences or schools. EPA results by TEM method, NYC-DEP by PCM

@ 0.1 fibers per cc by PCM method; US-OSHA permissible exposure limit for 8 hour time weighted average.

Interpretation: Dusty work in control zone or Fresh Kills Landfill continues to have the potential to generate elevated levels of asbestos fibers. Continued use of appropriate respiratory protection for workers in or near potentially dusty locations or tasks is indicated. Dust suppression measures should be enhanced. Additional personal monitoring underway.

NYC-WTC_000148553

NYC 9/11 Public Portal Document

DRAFT

Indoor Ambient Air Sampling

Agency	Date	Location	N samples	N above 0.01 fibers/cc *	N above OSHA PEL @	Maximum (fibers/cc)	Comment
NYCDEP	**9/16 – 9/18**	Perimeter of controlled zone (City Hall)	2	2	0	0.022 PCM	Highest Value taken at the 2nd Floor of City Hall. No TEM given..
		Neighborhood (400 Chambers St.)	6	1	0	0.014 PCM	Highest value sampled at 400 Chambers St Lobby. No TEM given.
		Perimeter of controlled zone (225 Rector Pl)	2	2	0	0.044 PCM	Highest value sampled at 225 Rector Pl Lobby. No TEM given.
	9/22/01	Inside controlled zone (?) (101 Murray)	4	0	0	0.003 PCM	One sample was 0.003 but the other 3 were non-detects.

* Equivalent to indoor clearance level for residences or schools; NYC-DEP by PCM

@ 0.1 fibers per cc by PCM method; US-OSHA permissible exposure limit for 8 hour time weighted average.

NYC-WTC_000148554

NYC 9/11 Public Portal Document

Bulk (settled) dust

Agency	Date	Location	N samples	N asbestos detected	N > 1%	Maximum (%)	Comment
USEPA	**9/23/01**	Inside Control Zone	11	0	0	N/A	

Interpretation: While asbestos containing materials in dust at WTC and Fresh Kills is generally below permissible exposure limits for occupational exposure, the potential for higher exposures exist based on bulk dust and debris samples. Continued use of appropriate respiratory protection for workers in or near potentially dusty locations or tasks is indicated. Dust suppression measures should be expanded. Additional personal monitoring underway.

Locations are defined according to:

Inside controlled zone

- Location #A = West Broadway & Barclay
- Location #B = Church & Dey
- Location #D = Greenwich & Albany
- Location #E = South End & Liberty
- Location #F = West & Vesey
- Location #K = West & Albany
- Location #O = Pier 25 (West and N. Moore)
- Location #P-1, South End & Albany (used 'P' twice, see below)

Perimeter of controlled zone

- Location #C = Broadway & Liberty
- Location #I = Broadway & Wall Street
- Location #J = West & Warren

Neighborhood near controlled zone

NYC-WTC_000148555

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Location #H = One Chase Plaza (Nassau, William and Cedar)
Location #G = Church & Duane
Location #N = West side highway near Community College
Location #M= Broad and Liberty
Location #P = West and Harrison

Neighborhoods distant from controlled zone

Fresh Kills Landfill

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Ambient Air Monitoring:

Levels B5 & B6: Oxygen; DiHydrogen Sulfide; Explosive atmosphere; Carbon Monoxide; Photo Ionizable Organic Compounds; Freon 22 utilizing direct reading field instrumentation.

Level B6 only: In addition to above, one air sample was taken for analytical analysis.

Results: See attachments.

Air Monitoring in surrounding Boroughs: 9/13 – 11/16:..Attachment 6

Air monitoring for *Volatile Organic Compounds, Acid Gases and Metals* were performed at the locations listed below on a daily basis.

** Note: These air samples are grab samples that were performed everyday at the locations listed below. EPA method TO14 and TO15 were used for sampling and analysis of VOC's. Results were used strictly for emergency response purposes to determine if any immediate actions were required. The sampling results should not used for comparison with NYS or EPA Ambient Air Contaminant Guidelines for long term health assessment studies.

Manhattan: Central Park North and Lenox Ave.
Queens: Broadway and 31 Street
Bronx: 138 Street & 3 Avenue
Brooklyn: Berry Street & North 11 Street
Brooklyn: Atlantic Avenue & Smith Street
Staten Island: Bay Street & Victory Blvd.

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THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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Air, Noise and Hazardous Materials

Air Monitoring in Lower Manhattan

DEP monitored the ambient outdoor air for asbestos following the World Trade Center (WTC) disaster. This effort augmented ambient air asbestos sampling performed by the EPA and other state and city agencies. There is currently no outdoor ambient standard for asbestos. The US and NYC standard for asbestos in community and residential buildings is 0.01 fibers/cubic centimeter (f/cc) in indoor air. An indoor area which has had asbestos detected and then removed must show that air samples are at or below the 0.01 f/cc standard before the indoor area can be re-occupied. Although the ambient outdoor air was monitored, DEP used the indoor air standard as a way to characterize the levels of asbestos in the air.

Since the measurement protocol used, phase contrast microscopy (PCM), counts fibers, DEP also conducted an additional analysis for all samples that were above 0.01 f/cc. This measurement protocol is called transmission electron microscopy (TEM) and counts the number of asbestos fibers in the sample. EPA reported their data in TEMs, and provides a good explanation of the interpretation of the standard that uses this methodology on their website.

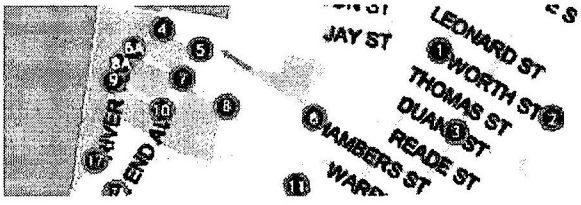
EPA has also recently published the results of two studies related to the WTC disaster: *The Toxicological Effects of Fine Particulate Matter Derived from the Destruction of the World Trade Center*, and *The Exposure and Human Health Evaluation of Airborne Pollution from the World Trade Center Disaster*. To read both reports, please click here.

Results indicate that, as expected, asbestos was present in some of the debris at the site and in areas very close to the site. Between September 28, 2001 and August 3, 2002, the vast majority of air sampling results outside the security zone were below the standards for asbestos in indoor air.

To view the air monitoring results, click on a sampling location below or on the map (Links will open in a new browser window):

Sampling Site Location

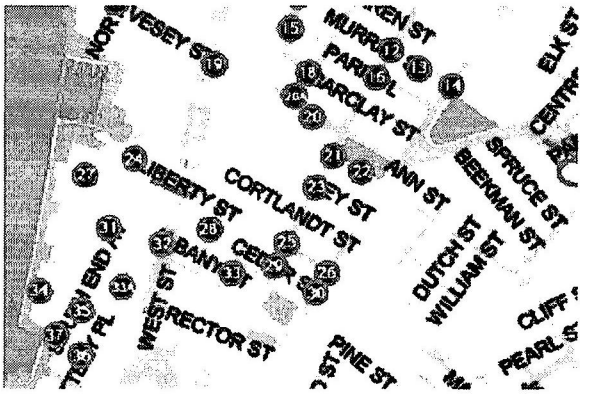
1	West Broadway and Worth Street	19	Vesey and West Street
2	Broadway and Worth Street	20	Vesey between Church and Greenwich



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			Street
3	Duane Street and Trimble Place	20A	Vesey and West Broadway
4	River Terrace and Chambers Street	21	Fulton and Church Street
5	Chambers and North End Avenue	22	Fulton between Church and Broadway
6	Greenwich and Chambers Street	23	Church and Dey
6A	West end of Warren Street	24	Liberty Street and South End Avenue
7	Warren Street and North End Avenue	25	Liberty and Church Street
8	West Street and Warren Street	26	Liberty and Broadway
8A	River Terrace Park area between Park Place and Warren Street	27	Gateway Plaza Park Area
9	River Terrace and Park Place West	28	Washington and Cedar Street
10	North End Avenue and Park Place West	29	Trinity Place and Thames Street
11	Murray and Greenwich Street	30	Cedar and Broadway
12	Murray and Church Street	31	South End Avenue and Albany Street
13	Murray between Church and Broadway	32	West Street and Albany
14	Broadway and Murray Street	33	Albany and Greenwich
15	Park Place and Greenwich Street	33A	Rector Place by the park
16	Park Place and Church Street	34	West Thames Street - along waterfront
17	River Terrace and Vesey Street	35	South End Avenue and Thames Street
17A	North End Avenue and Vesey Street	36	Third Place and Battery Place - waterside
18	Barclay and West Broadway	37	West of Third Place (South Cove Apartments)



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Apartment)

School Monitoring Data

DEP worked with the involved City agencies, including the Board of Education, to provide air monitoring in and around the schools near the World Trade Center disaster site. DEP collected 8 hour ambient air samples that were analyzed for asbestos at four locations. These locations were outside of the main entrances to: Stuyvesant High School, IS/PS 89, PS 234 and the High School of Economics and Finance. DEP began sampling on October 4, 2001, and completed sampling on June 30, 2002. From October 4th through October 18th, DEP only did a TEM analysis if the PCM concentration was above 0.01 fibers per cubic centimeter (f/cc). During this period of time, there was only one reading above 0.01 f/cc. The TEM result was below the Asbestos Hazard Emergency Response Act (AHERA) standard of 70 structures per square millimeter (s/sqmm). As of October 19, 2002, DEP began conducting a TEM analysis on all samples to provide a direct comparison to the AHERA standard. Between October 19 and June 30, 2002, all samples were well below the AHERA standard of 70 s/sqmm.

School Monitoring Data ▶

Additonal Information

- Advisory for Building Façade Clean-up
- Notice to Building Owners Located South of 14th Street, Manhattan: Building Maintenance Issues Involved in Reopening Buildings Closed Since 9/11/01
- New York City Department of Health Responds to the World Trade Center Disaster
- New York City Department of Health Asbestos Fact Sheet

Last updated January 3, 2003

Air, Noise and Hazardous Materials

- *Air monitoring in Lower Manahattan*
- Certified Asbestos Investigators, Contractors and Firms
- Asbestos Rules and Regulations
- Asbestos Abatement Activity Forms

NYC-WTC_000148559

NYC-WTC_000148560

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AIR SAMPLING -ASBESTOS

Around Ground Zero

- 8 hour air sample in front of SHS,PS 89, 100 Trinity Place and PS 234
- 10/4 to 10/18 60 samples (PCM)
- 10/19 – ongoing (TEM) 416 samples (1/31/02)
- All the sample results are below std.

Re-occupancy std 0.01f/cc or 70 s/mm^2

NYC-WTC_00014856

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AIR SAMPLING -ASBESTOS

Outside Ground Zero

- One sample in each of the five boroughs
- 9/14 to 10/12
- 408 samples (PCM)
- Six above 0.01 f/cc & all below 70 s/mm^2

Re-occupancy std 0.01f/cc or 70 s/mm^2

NYC-WTC_000148562

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ASBESTOS STANDARDS

- POLARIZED LIGHT MICROSCOPY(PLM)
  - For bulk samples & the ~~std~~ def. is greater than 1%
- PHASE CONTRAST MICROSCOPY (PCM)
  - For air samples & the re-occupancy std is 0.01fibers/cc
- Transmission Electron Microscopy (TEM)
  - For air samples & the re-occupancy std. Is 70 structures/ square millimeter

There is no indoor or outdoor std for asbestos.

NYC-WTC_000148563

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AIR SAMPLING -ASBESTOS

Around Ground Zero

- 8 hour air sample in front of SHS,PS 89, 100 Trinity Place and PS 234
- 10/4 to 10/18 60 samples (PCM)
- 10/19 – ongoing (TEM) 416 samples (1/31/02)
- All the sample results are below std.

  Re-occupancy std 0.01f/cc or 70 s/mm^2

NYC-WTC_000148564

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AIR SAMPLING -ASBESTOS

Outside Ground Zero

- One sample in each of the five boroughs
- 9/14 to 10/12
- 408 samples (PCM)
- Six above 0.01 f/cc & all below 70 s/mm^2

Re-occupancy std 0.01f/cc or 70 s/mm^2

NYC-WTC_000148565

NYC 9/11 Public Portal Document

ASBESTOS STANDARDS

- POLARIZED LIGHT MICROSCOPY(PLM)
  - For bulk samples & the ~~std~~ def is greater than 1%
- PHASE CONTRAST MICROSCOPY (PCM)
  - For air samples & the re-occupancy std is 0.01fibers/cc
- Transmission Electron Microscopy (TEM)
  - For air samples & the re-occupancy std. Is 70 structures/ square millimeter

There is no indoor or outdoor std for asbestos.

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DEP Comment on the Outdoor Sampling Plan

These comments are based on the assumption that the October 2 version of the monitoring plan is being modified and will continue to be changed as conditions warrant.

1) We think that it would be useful to add some language that briefly explains that monitoring data collected since September 11 by a number of different entities has been shared with all the involved agencies and that these data are being considered in the ongoing modifications to the existing monitoring efforts. It would also be helpful, if some language could be added that essentially says there is a decision making process where decisions about moving sites, adding, reducing or eliminating different monitoring efforts is being used.

2) The outdoor air sampling program should coordinate with the indoor sampling plan so that they complement each other, and eliminate the need for additional overlapping monitoring, which may conflict with each other because of different siting, measurement methodologies and sampling frequencies.

3) Is it possible and would it be worthwhile to do CMB analysis on some particulate filters from sites near the WTC to try to determine the relative contribution of different types of sources (smoke plume versus dust) if we see elevated levels of concern?

NYC-WTC_000148567

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9/24 3:45pm

Greenwich + Park Place	15	0.012*
Church + Murray	-12	0.017*
Greenwich + Murray	- 11	0.009
Park Place + Church	10	0.007

NYC-WTC_000148568

NYC 9/11 Public Portal Document

DATE: 09/24/01

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Min.)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
PERIMETER SAMPLES								
09/12/01	10912/A207001	GREENWICH & CHAMBERS ST.	AMBIENT	95	950		0.080	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS ST.	AMBIENT	90	900		0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950		0.040	157.48
09/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500		0.010	44.99
09/12/01	10912/A207005	W. BROADWAY & WORTH ST	AMBIENT	35	350		0.010	11.25
PERIMETER SAMPLES								
09/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.220	
09/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.100	
09/13/01	10913/A207003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450	0.01	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR ST.	AMBIENT	30	450	0.01	<LOQ	
PERIMETER SAMPLES								
09/14/01	10914/A003001	MURRAY & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH ST.	AMBIENT	40	600		0.007	
09/14/01	10914/A003007	MURRAY & GREENWICH ST.	AMBIENT	50	750	0.006	<LOQ	
09/14/01	10914/A003003	LIBERTY & CHURCH ST.	AMBIENT	40	600		0.020	
09/14/01	10914/A003004	CEDAR & TRINTY PL	AMBIENT	39	585		0.027	
09/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	
09/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450	0.01	<LOQ	
HOT ZONE SAMPLES								
09/14/01	10914/A003005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION	AMBIENT	50	750	0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH ST.- APPROX. 50 FT. FROM EXPLOSION	AMBIENT	35	525		0.009	
DEP FACILITY								
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	
PERIMETER SAMPLES								
09/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.022	
09/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600		0.034	
09/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.031	
09/15/01	LAB1#2	LIBERTY & BROADWAY	AMBIENT	50	750		0.008	
09/15/01	LAB3#3	CEDAR & BROADWAY	AMBIENT	30	450		0.033	
09/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450		0.045	
09/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750		0.024	
09/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.035	
HOT ZONE SAMPLES								
09/15/01	LAB3#1	GREENWICH & PARK PL	AMBIENT	30	450		0.076	

Limit of Quantification

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc PCM (f/cc)	Asbestos Conc TEM (struc./mm2)
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST.	AMBIENT	40	450		0.035	
PERIMETER SAMPLES								
09/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450		0.030	
09/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600		0.030	
09/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.013	
09/16/01	10916/A307001	LIBERTY ST. & BROADWAY	AMBIENT	35	525		0.010	
09/16/01	10916/A307002	CEDAR ST. & BROADWAY	AMBIENT	40	600		0.030	
09/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.050	
09/16/01	302/003	FULTON BET WEEN CHURCH & BROADWAY	AMBIENT	40	600		0.030	
HOT ZONE SAMPLES								
09/16/01	LAB1#2	WASHINGTON & PARK PL	AMBIENT	30	450		0.038	
09/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY	AMBIENT	40	600		0.024	
INDOOR SAMPLES								
09/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800		0.022	
09/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800		0.011	
PERIMETER SAMPLES								
09/17/01	LAB1#1	MURRAY & CHURCH ST.	AMBIENT	45	675		0.013	
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.017	
09/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.012	
09/17/01	10917/A307001	LIBERTY ST. & BROADWAY	AMBIENT	30	450		0.062	
HPD BUILDING								
09/17/01	LAB3#1	100 GOLD STREET - LOBBY	AMBIENT	60	900		0.006	
09/17/01	LAB3#2	100 GOLD STREET - 9th FL	AMBIENT	60	900		0.004	
BATTERY PARK CITY								
09/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800		0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 14th FL.	INDOOR	120	1800	0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350	0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	INDOOR	90	1350		0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800		0.014	
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800		0.007	
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	
PERIMETER SAMPLES								
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.018	
09/18/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.027	
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		0.011	
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.021	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_00014857

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.008	
09/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600		0.034	
INDOOR SAMPLES								
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	INDOOR	90	1350		0.044	
09/18/01	302/002	225 RECTOR PL - LOBBY	INDOOR	90	1350		0.030	
PERIMETER SAMPLES								
09/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.014	
09/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.020	
09/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY NORTH END								
09/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675		0.012	
09/19/01	LAB 3 #5	NORTH END AVE & VESEY ST.	AMBIENT	30	450		0.010	
09/19/01	LAB 3 #2	WEST ST & WARREN ST.	AMBIENT	30	450		0.030	
09/19/01	10919/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.050	
09/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675		0.012	
SOUTH END								
09/19/01	10919/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.013	
09/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
09/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.050	
09/19/01	LAB 3 #4	GATEWAY PLAZA PARK AVE	AMBIENT	30	450		0.010	
PERIMETER SAMPLES								
09/20/01	10920/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	LAB3 #1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	10920/A307001	WARREN ST. & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/002	CEDAR & CHURCH STREETS	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY NORTH END								
09/20/01	302/005	RIVER TERRACE AND PARK PLACE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	302/006	RIVER TERRACE AND CHAMBERS ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #4	WARREN ST. & NORTH END AVE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYC-WTC_000148572

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/20/01	10920/A307002	NORTH END AVENUE & PARK PL	AMBIENT	45	675	0.007	<LOQ	
9/20/01	10920/A307003	RIVER TERRACE AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/20/01	10920/A307004	SOUTH END AVENUE AND ALBANY ST.	AMBIENT	45	675	0.007	<LOQ	
9/20/01	10920/A307005	RECTOR PLACE - AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/20/01	302/003	WEST THAMES STREET	AMBIENT	35	525	0.009	<LOQ	
9/20/01	302/004	THIRD PLACE & BATTERY PL.	AMBIENT	30	450	0.01	<LOQ	
9/20/01	LAB3 #2	SOUTH END AVE. & THAMES ST.	AMBIENT	30	450	0.01	0.010	
9/20/01	LAB3 #3	GATEWAY PLAZA PARK AVENUE	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
9/21/01	10921A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
9/21/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	
9/21/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
9/21/01	10921A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
9/21/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
9/21/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
9/21/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450		0.02	
9/21/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	35	525		0.01	
9/21/01	10921/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
9/21/01	10921/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/21/01	10921/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
9/21/01	10921/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/21/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
9/21/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.009	
9/21/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450		<0.011	
9/21/01	LAB 3 #3	GATEWAY PLAZA PARK AVE	AMBIENT	34	510		0.014	
PERIMETER SAMPLES								
9/22/01	10922A040001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.01	
9/22/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	
9/22/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		<0.01	
9/22/01	10922A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.009	
NORTH END								
9/22/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	<0.007	<LOQ	
9/22/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600		0.009	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYC-WTC_000148573

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/22/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<0.01	
9/22/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<0.01	
9/22/01	10922/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
9/22/01	10922/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/22/01	10922/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
9/22/01	10922/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
9/22/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<0.008	
9/22/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
9/22/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	40	600		0.01	
9/22/01	LAB 3 #3	GATEWAY PLAZA PARK AVE	AMBIENT	35	525		0.01	
ST. JOHN'S UNIVERSITY								
9/22/01	10922A003001	101 MURRAY (LOBBY AREA - CAFETERIA)	INDOOR	120	1800		0.003	
9/22/01	10922A003002	101 MURRAY(2ND FLOOR BY ROOM 214)	INDOOR	120	1800	0.003	<0.003	
9/22/01	LAB3#6	101 MURRAY (6TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
9/22/01	LAB3#7	101 MURRAY (10TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
PERIMETER SAMPLES								
9/23/01	10923A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
9/23/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.026	
9/23/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
9/23/01	10923/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
9/23/01	10923A040002	PARK PL. & CHURCH	AMBIENT	45	675		0.010	
9/23/01	302/006	PARK PL. & GREENWICH	AMBIENT	40	600		0.014	
BATTERY PARK SAMPLES								
NORTH END								
9/23/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
9/23/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
9/23/01	LAB3 #3	RIVER TERRACE PARK AREA	AMBIENT	35	525	0.009	<LOQ	
9/23/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<LOQ	
9/23/01	10923/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
9/23/01	10923/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
9/23/01	10923/A307006	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
9/23/01	10923/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.029	
9/23/01	10923A307004	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.013	
9/23/01	302/002	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
9/23/01	302/003	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
9/23/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYC-WTC_000148574

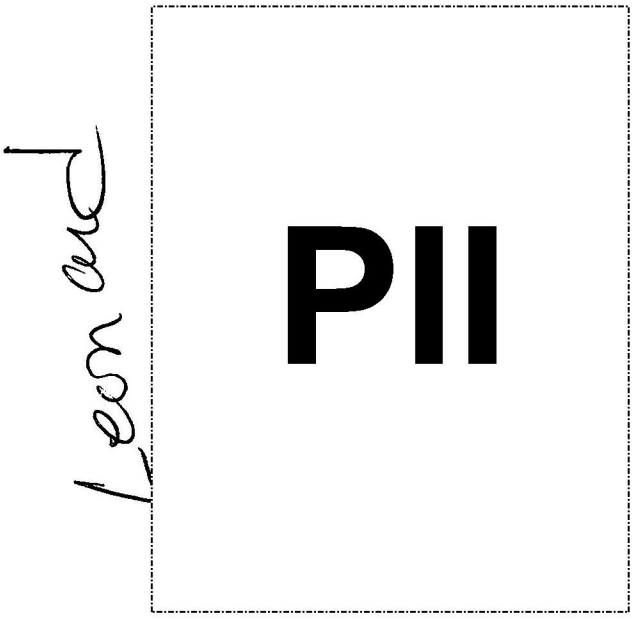
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WORLD TRADE CENTER - AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Min)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
9/23/01	LAB 3 #5	GATEWAY PLAZA PARK AVE	AMBIENT	30	450	0.002	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYC-WTC_000148575

NYC-WTC_000148576

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Comparison of Four Data Sets for Asbestos and Lead

Statistic	Location	Asbestos Air (PCMe) f/cc	Asbestos Microvac f/cm²	Asbestos Wipe f/cm²	Lead Air µg/m³	Lead Microvac µg/ft²	Lead Wipe µg/ft²
~~Clearance~~ Criteria		~~0.0009~~	~~30,000*~~	~~30,000*~~	~~1~~	~~25~~	25
Average	125 Cedar Street	0.00153					25.5
	110 Liberty	0.00103	272,231	37,380	0.27	39.5	18.3
	WTC Indoor Dust	0.00056					
	Background	0.0004	19,316	17,346	0.286	6.22	3.18
Minimum Detected Concentration	125 Cedar Street	0.0009					10.3
	110 Liberty	0.0004	1,696	742	~~0.055~~	0.78	5.02
	WTC Indoor Dust	0.0004					
	Background	0.0004	1,582	1,187	0.058	2.46	0.53
Maximum Detected Concentration	125 Cedar Street	0.0035					93.1
	110 Liberty	0.0033	10,967,100	233,475	0.757	293	51.6
	WTC Indoor Dust	0.0016					28.5
	Background	0.0004	72,093	149,055	0.513	9.73	49
Frequency of Detection	125 Cedar Street	31/210					37/101
	110 Liberty	18/98	94/102	62/112	25/27	52/99	28/48
	WTC Indoor Dust	n/a					
	Background	3/97	11/156	19/141	2/88	13/204	59/143
Number Above Criteria	125 Cedar Street	18/210					14/101
	110 Liberty	7/98	64/102	22/112	0/27	24/99	5/48
	WTC Indoor Dust	17/1550					
	Background	0/97	2/156	3/141	0/88	0/204	1/143

Note: The data for each study listed above does not represent a complete data set. Each of the studies are missing some portion of the data which was collected. Therefore, the values listed above are done for comparison only and do not represent actual, verified values for the sites. Additionally, the values only represent samples for which the compound was detected. Thus, the average would be lower when the non-detect samples are included in the calculations using 1/2 of the detection limit. Also note that the data for 125 Cedar Street, 110 Liberty and the WTC Indoor Dust Cleanup studies contain both pre-cleaning and post-cleaning data.

* Tier 1 criteria from the COPC document. This represents a concentration that requires aggressive cleaning.

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Mike
FYI

U.S. Environmental Protection Agency (*www.epa.gov*)
Air / Bulk / Wipe/ Water Sampling Situation Report
Sunday, October 14, 2001 (12:00 noon)

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Oct 11, 1200 to 2400 hrs)
  - All 17 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Oct 12, 0001 - 1200 hrs)
  - All 17 samples (data not available from two stations) analyzed were below the TEM AHERA standard.
- NJ (Oct 11/12)
  - All 4 samples analyzed were below the TEM AHERA standard.

Landfill Ambient Air Sampling Locations

- Fresh Kills (Oct 10/11, 1900 - 0700 hrs) - Asbestos
  - All 17 samples were below the TEM AHERA standard.
- Fresh Kills (Oct 11, 0700 - 1900 hrs) - Asbestos
  - All 17 samples were below the TEM AHERA standard.
- Fresh Kills (Oct 12, 0600 - 1900 hrs) - Asbestos
  - All 17 samples were below the TEM AHERA standard.
- Fresh Kills (Oct 12/13, 1900 - 0600) - Asbestos
  - All 17 samples were below the TEM AHERA standard. (* one sample had very low - 11 liters- sample volume)

Ambient Air Sampling Locations

- NYC / ER (Oct. 2) - Dioxin
  - No occupational standards available.
  - 4 of the 10 samples collected were above the EPA Removal Action guidelines (based on a 30-year exposure).
  - 1 of the 10 samples (Location 3 - SW side of WTC 5) was nominally above the EPA Removal Action level guidelines adjusted to a 1-year exposure duration.
  - Levels do not pose a short-term health concern. However, elevated sufficiently to be of concern for long-term (chronic exposure).
  - Levels generally higher than previously reported.

- NYC / ER (Oct 4) - PCBs
  - Trace amounts detected in 3 of 10 samples below levels of concern.
  - 7 samples did not detect any PCBs.
  - All sample results were below EPA Removal Action guidelines.
- NYC / ER (Oct 12) - Volatile organics (TAGA)
  - General decease in overall volatile organic levels (including benzene) noted in plume samples collected in debris area as compared to data previously reported.
  - Benzene exceeded OSHA TWA PEL at one location on the debris pile in the plume at ground level.
- NYC /ER (Oct 12) - Particulate Monitoring (Dataram)
  - Levels noted at three locations (Stations L, M and N) were well below the OSHA TWA (respirable) for particulates.

Bulk/Dust Samples

- Fresh Kills (Oct 11) - Asbestos
  - Asbestos was not detected in 7 of 8 samples collected from various steel and debris piles.
  - 1 sample from bulk steel identified with 2.68% chrysolite.
- NYC / ER (Sep 26) - Dioxin
  - 1 sample obtained from the lobby of 110 Greenwich was below the EPA residential cleanup goal of 1 ppb.

Direct Reading Instruments

- NYC / ER (Oct 12)
  - One location (Greenwich and Liberty) reported carbon monoxide level of 13 ppm. Concentration is above NAAQS (8 hr avg) of 9 ppm but below NAQQS (1 hr avg) of 35 ppm and also below OSHA PEL of 50 ppm.

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Summary of Sampling at WTC performed by DERTA

Air monitoring performed at ground zero (ambient conditions) utilizing direct reading field instrumentation: 9/12 – 10/5/01

Photoionizable organic compounds
Flame ionizable organic compounds
Carbon Monoxide; Dihydrogen Sulfide; Oxygen; explosive atmospheric conditions
Hydrogen Cyanide; Chlorine; Ammonia
Freon 22

Results: Levels were background or non detectable levels.

Air Monitoring for Asbestos: 9/12 – 10/4/01 (conducted by DERTA)..Attachment 1

See attached air monitoring table for locations and results.

Air Monitoring for Asbestos: 10/5 – Present (Monitoring conducted by DEP certified contractor)..Attachment 2

See attached air monitoring results for location and results.

Bulk/Wipe Sampling for Asbestos: 9/11, 9/16, 9/23, 9/26..Attachment 3

DERTA performed bulk and wipe sampling at the locations noted in attachment.

PCB Wipe Sampling on transformers: 9/27..Attachment 4

DERTA performed PCB wipe sampling per EPA request on 2 buried transformers at WTC building # 7. See attachment for results.

Testing at B5 & B6 sublevel at WTC attack site: 9/30, 10/1..Attachment 5

DERTA performed confined space entry into B5 & B6 sublevels with Port Authority Police & FDNY. DERTA performed ambient air monitoring and testing of flood waters for the following:

Non-Potable Flood Waters:
Level B5 & B6: Tested for Volatile Organic Compounds, Chlorodifluoromethane (Freon 22), (B5: 6 samples taken; B6: 4 samples taken).

Salinity Testing: Level B5: 6 samples taken; Level B6: 4 samples taken.

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Ambient Air Monitoring:

Levels B5 & B6: Oxygen; DiHydrogen Sulfide; Explosive atmosphere; Carbon Monoxide; Photo Ionizable Organic Compounds; Freon 22 utilizing direct reading field instrumentation.

Level B6 only: In addition to above, one air sample was taken for analytical analysis.

Results: See attachments.

Air Monitoring in surrounding Boroughs: 9/13 – 11/16:..Attachment 6

Air monitoring for *Volatile Organic Compounds, Acid Gases and Metals* were performed at the locations listed below on a daily basis.

** Note: These air samples are grab samples that were performed everyday at the locations listed below. EPA method TO14 and TO15 were used for sampling and analysis of VOC's. Results were used strictly for emergency response purposes to determine if any immediate actions were required. The sampling results should not used for comparison with NYS or EPA Ambient Air Contaminant Guidelines for long term health assessment studies.

Manhattan: Central Park North and Lenox Ave.
Queens: Broadway and 31 Street
Bronx: 138 Street & 3 Avenue
Brooklyn: Berry Street & North 11 Street
Brooklyn: Atlantic Avenue & Smith Street
Staten Island: Bay Street & Victory Blvd.

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9/12 - 10/4. Attachment 1

WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
PERIMETER SAMPLES								
09/12/01	10912/A207001	GREENWICH & CHAMBERS ST.	AMBIENT	95	950		0.080	overload
09/12/01	10912/A207002	CENTRE & CHAMBERS ST.	AMBIENT	90	900		0.016	123.73
09/12/01	10912/A207003	SPRUCE & GOLD ST	AMBIENT	95	950		0.040	157.48
09/12/01	10912/A207004	BROADWAY & WORTH ST	AMBIENT	50	500		0.010	44.99
09/12/01	10912/A207005	W.BROADWAY & WORTH ST	AMBIENT	35	350		0.010	11.25
PERIMETER SAMPLES								
09/13/01	10913/A207001	MURRAY & CHURCH ST.	AMBIENT	25	375		0.220	overload
09/13/01	10913/A207002	FULTON & CHURCH ST.	AMBIENT	40	600		0.100	overload
09/13/01	10913/A207003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/13/01	10913/A207005	LIBERTY & CHURCH ST.	AMBIENT	30	450	0.01	<LOQ	
09/13/01	10913/A207004	WASHINGTON & CEDAR ST.	AMBIENT	30	450	0.01	<LOQ	
PERIMETER SAMPLES								
09/14/01	10914/A003001	MURRAY & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/14/01	10914/A003002	FULTON & CHURCH ST.	AMBIENT	40	600		0.007	
09/14/01	10914/A003007	MURRAY & GREENWICH ST.	AMBIENT	50	750	0.006	<LOQ	
09/14/01	10914/A003003	LIBERTY & CHURCH ST.	AMBIENT	40	600		0.020	14.32
09/14/01	10914/A003004	CEDAR & TRINTY PL	AMBIENT	39	585		0.027	overload
09/14/01	10914/A003008	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	40	600		0.002	
09/14/01	10914/A003009	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	30	450	0.01	<LOQ	
HOT ZONE SAMPLES								
09/14/01	10914/A003005	1 LIBERTY PLAZA - APPROX. 50 FT FROM EXPLOSION	AMBIENT	50	750	0.007	<LOQ	
09/14/01	10914/A003006	PARK & GREENWICH ST.- APPROX. 50 FT. FROM EXPLOSION	AMBIENT	35	525		0.009	<6.56
DEP FACILITY								
09/14/01	10914/A207006	184 AVE D, DEP PUMPING STATION - FOUR BAY AREA	INDOOR	65	975		0.005	
PERIMETER SAMPLES								
09/15/01	10915/A307001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.022	120.18
09/15/01	302-1	FULTON & CHURCH ST.	AMBIENT	40	600		0.034	overload
09/15/01	LAB3#2	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.031	overload
09/15/01	LAB1#2	LIBERTY & BROADWAY	AMBIENT	50	750		0.008	overload
09/15/01	LAB3#3	CEDAR & BROADWAY	AMBIENT	30	450		0.033	overload
09/15/01	10915/A307003	BROADWAY & MURRAY ST	AMBIENT	30	450		0.045	overload
09/15/01	10915/A307002	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	50	750		0.024	overload
09/15/01	LAB1#1	FULTON BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.035	131.23
HOT ZONE SAMPLES								
09/15/01	LAB3#1	GREENWICH & PARK PL	AMBIENT	30	450		0.076	overload

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYC-WTC_000148582

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/15/01	302-2	VESEY BETWEEN CHURCH & GREENWICH ST.	AMBIENT	40	450		0.035	overload
PERIMETER SAMPLES								
09/16/01	10916/A207003	MURRAY & CHURCH ST.	AMBIENT	30	450		0.030	78.74
09/16/01	302/002	FULTON & CHURCH ST.	AMBIENT	40	600		0.030	overload
09/16/01	LAB1#1	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.013	78.74
09/16/01	10916/A307001	LIBERTY ST. & BROADWAY	AMBIENT	35	525		0.010	overload
09/16/01	10916/A307002	CEDAR ST. & BROADWAY	AMBIENT	40	600		0.030	overload
09/16/01	10916/A207004	MURRAY BETWEEN CHURCH & BROADWAY	AMBIENT	45	675		0.050	overload
09/16/01	302/003	FULTON BET WEEN CHURCH & BROADWAY	AMBIENT	40	600		0.030	121.69
HOT ZONE SAMPLES								
09/16/01	LAB1#2	WASHINGTON & PARK PL	AMBIENT	30	450		0.038	102.36
09/16/01	302/001	VESEY ST BETWEEN CHURCH & W.BROADWAY	AMBIENT	40	600		0.024	overload
INDOOR SAMPLES								
09/16/01	10916/A207001	CITY HALL, 2ND FL, OUTSIDE JULIE MENDIK'S OFFICE	INDOOR	120	1800		0.022	overload
09/16/01	10916/A207002	CITY HALL, 1ST FL - BLUE ROOM	INDOOR	120	1800		0.011	39.37
PERIMETER SAMPLES								
09/17/01	LAB1#1	MURRAY & CHURCH ST.	AMBIENT	45	675		0.013	43.74
09/17/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.017	overload
09/17/01	LAB3#001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.012	61.24
09/17/01	10917/A307001	LIBERTY ST. & BROADWAY	AMBIENT	30	450		0.062	overload
HPD BUILDING								
09/17/01	LAB3#1	100 GOLD STREET - LOBBY	AMBIENT	60	900		0.006	22.50
09/17/01	LAB3#2	100 GOLD STREET - 9th FL	AMBIENT	60	900		0.006	<11.25
BATTERY PARK CITY								
09/17/01	10917/A100001	22 RIVER TERRACE, LOBBY	INDOOR	120	1800		0.004	
09/17/01	10917/A100002	22 RIVER TERRACE, 14th FL.	INDOOR	120	1800	0.002	<LOQ	
09/17/01	10917/A307003	41 RIVER TERRACE (TRIBECA POINT) - LOBBY	INDOOR	90	1350	0.002	<LOQ	
09/17/01	10917/A307004	41 RIVER TERRACE (TRIBECA POINT) -PHB	INDOOR	90	1350		0.003	
09/17/01	10917/A307002	400 CHAMBERS STREET (TRIBECA POINT) - LOBBY	INDOOR	120	1800		0.014	19.69
09/17/01	302/002	400 CHAMBERS STREET, 9TH FLOOR	INDOOR	120	1800		0.007	<19.69
09/17/01	302/003	WEST END OF WARREN STREET	AMBIENT	45	675		0.007	
PERIMETER SAMPLES								
09/18/01	10918/A003001	MURRAY & CHURCH ST.	AMBIENT	35	525		0.018	110.24
09/18/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.027	overload
09/18/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		0.010	<7.87
09/18/01	10918/A207002	LIBERTY & CHURCH ST.	AMBIENT	30	450		0.021	overload

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/18/01	10918/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.008	52.49
09/18/01	10918/A207001	WEST ST & VESEY ST.	AMBIENT	40	600		0.034	157.48
INDOOR SAMPLES								
09/18/01	10918/A307002	225 RECTOR PL - 11TH FLOOR	INDOOR	90	1350		0.044	overload
09/18/01	302/002	225 RECTOR PL - LOBBY	INDOOR	90	1350		0.030	Insuff. Materials
PERIMETER SAMPLES								
09/19/01	10919/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.014	122.48
09/19/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675		0.020	overload
09/19/01	10919/A100001	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
09/19/01	10919/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/19/01	302/003	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/002	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675		0.012	6.75
09/19/01	LAB 3 #5	NORTH END AVE & VESEY ST.	AMBIENT	30	450		0.010	overload
09/19/01	LAB 3 #2	WEST ST & WARREN ST.	AMBIENT	30	450		0.030	149.61
09/19/01	10919/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.050	<8.75
09/19/01	10919/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675		0.012	17.50
SOUTH END								
09/19/01	10919/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.013	overload
09/19/01	10919/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/19/01	302/005	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
09/19/01	LAB 3 #3	WEST ST & ALBANY	AMBIENT	30	450		0.050	overload
09/19/01	LAB 3 #4	GATEWAY PLAZA PARK AREA	AMBIENT	30	450		0.010	31.50
PERIMETER SAMPLES								
09/20/01	10920/A003001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/001	FULTON & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	LAB3 #1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	10920/A307001	WARREN ST. & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/002	CEDAR & CHURCH STREETS	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/20/01	302/005	RIVER TERRACE AND PARK PLACE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	302/006	RIVER TERRACE AND CHAMBERS ST.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #4	WARREN ST. & NORTH END AVE	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/20/01	10920/A307002	NORTH END AVENUE & PARK PL	AMBIENT	45	675	0.007	<LOQ	
09/20/01	10920/A307003	RIVER TERRACE AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/20/01	10920/A307004	SOUTH END AVENUE AND ALBANY ST.	AMBIENT	45	675	0.007	<LOQ	
09/20/01	10920/A307005	RECTOR PLACE - AT THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/20/01	302/003	WEST THAMES STREET	AMBIENT	35	525	0.009	<LOQ	
09/20/01	302/004	THIRD PLACE & BATTERY PL.	AMBIENT	30	450	0.01	<LOQ	
09/20/01	LAB3 #2	SOUTH END AVE. & THAMES ST.	AMBIENT	30	450	0.01	0.010	15.75
09/20/01	LAB3 #3	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/21/01	10921A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	<7.87
09/21/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/21/01	10921A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
BATTERY PARK CITY								
NORTH END								
09/21/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	LAB3 #5	NORTH END AVE & RIVER TERRACE	AMBIENT	30	450		0.020	55.12
09/21/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	35	525		0.010	78.74
09/21/01	10921/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	10921/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/21/01	10921/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/21/01	10921/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/21/01	302/003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/21/01	302/002	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675		0.009	78.74
09/21/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450		<0.011	
09/21/01	LAB 3 #3	GATEWAY PLAZA PARK AREA	AMBIENT	34	510		0.014	overload
PERIMETER SAMPLES								
09/22/01	10922A040001	MURRAY & CHURCH ST.	AMBIENT	40	600		0.010	<7.87
09/22/01	302/001.	FULTON & CHURCH ST.	AMBIENT	45	675		0.008	
09/22/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450		<0.01	
09/22/01	10922A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675		0.009	<8.75
NORTH END								
09/22/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	<0.007	<LOQ	
09/22/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600		0.009	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/22/01	LAB3 #3	WARREN & RIVER TERRACE PARK AREA	AMBIENT	30	450	0.01	<0.01	
09/22/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.01	<0.01	
09/22/01	10922/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/22/01	10922/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/22/01	10922/A307004	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/22/01	10922/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/22/01	302/003	THIRD PL & BATTERY PL - WATERSIDE	AMBIENT	45	675	0.007	<LOQ	
09/22/01	302/002	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<0.008	
09/22/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	40	600		0.010	23.62
09/22/01	LAB 3 #5	GATEWAY PLAZA PARK AREA	AMBIENT	35	525		0.010	6.67
ST. JOHN'S UNIVERSITY								
09/22/01	10922A003001	101 MURRAY (LOBBY AREA - CAFETERIA)	INDOOR	120	1800		0.003	
09/22/01	10922A003002	101 MURRAY(2ND FLOOR BY ROOM 214)	INDOOR	120	1800	0.003	<0.003	
09/22/01	LAB3#6	101 MURRAY (6TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
09/22/01	LAB3#7	101 MURRAY (10TH FLOOR)	INDOOR	120	1800	0.003	<0.003	
PERIMETER SAMPLES								
09/23/01	10923A040001	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/23/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600		0.026	overload
09/23/01	LAB3#1	MURRAY & GREENWICH ST.	AMBIENT	30	450	0.01	<LOQ	
09/23/01	10923/A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923A040002	PARK PL. & CHURCH	AMBIENT	45	675		0.010	<8.00
09/23/01	302/006	PARK PL. & GREENWICH	AMBIENT	40	600		0.014	7.27
09/23/01	10923A307004	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.013	overload
BATTERY PARK SAMPLES								
NORTH END								
09/23/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB3 #3	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
09/23/01	LAB3#2	WEST ST & WARREN ST.	AMBIENT	30	450	0.008	<LOQ	
09/23/01	10923/A307002	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307003	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/23/01	10923/A307006	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/23/01	10923/A307005	RECTOR PL BY THE PARK	AMBIENT	45	675		0.029	61.24
09/23/01	302/002	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/23/01	302/003	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/23/01	LAB 3 #4	WEST ST & ALBANY	AMBIENT	30	450	0.01	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/23/01	LAB 3 #5	GATEWAY PLAZA PARK AREA	AMBIENT	30	450	0.002	<LOQ	
PERIMETER SAMPLES								
09/24/01	10924A207001	MURRAY & CHURCH ST.	AMBIENT	45	675		0.017	35.00
09/24/01	10924A040001	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.009	
09/24/01	10924A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.007	
09/24/01	302/001	PARK PL. & GREENWICH	AMBIENT	40	600		0.012	<8.75
BATTERY PARK SAMPLES								
NORTH END								
09/24/01	302/002	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/003	RIVER TERRACE & CHAMBERS ST	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924A040003	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675		0.007	
09/24/01	10924A040002	WEST ST & WARREN ST.	AMBIENT	45	675		0.009	
09/24/01	10924/A307005	NORTH END AVE & PARK PL WEST	AMBIENT	45	675		0.012	8.75
09/24/01	10924/A307004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/24/01	10924/A307002	SOUTH END AVE & ALBANY ST	AMBIENT	45	675		0.010	<8.75
09/24/01	10924A307003	RECTOR PL BY THE PARK	AMBIENT	45	675		0.039	131.23
09/24/01	302/004	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/24/01	302/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/24/01	10924/A040004	WEST ST & ALBANY	AMBIENT	45	675		0.010	78.74
09/24/01	10924A040005	GATEWAY PLAZA PARK AREA	AMBIENT	30	450	0.011	<0.011	
PERIMETER SAMPLES								
09/25/01	10925A307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/001	FULTON & CHURCH ST.	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307003	WARREN ST & NORTH END AVENUE	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A307001	PARK PL. & CHURCH	AMBIENT	45	675		0.009	
09/25/01	302/002	PARK PL. & GREENWICH	AMBIENT	40	600		0.009	
09/25/01	10925A003001	TRINITY PL. & THAMES ST.	AMBIENT	40	600	0.008	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/25/01	302/004	RIVER TERRACE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/25/01	302/005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/006	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A307005	WEST ST & WARREN ST.	AMBIENT	45	675		0.012	8.00
09/25/01	10925A307004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/25/01	10925A307006	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/25/01	302/009	SOUTH END AVE & ALBANY ST	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/010	RECTOR PL BY THE PARK	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/007	W. THAMES ST - ALONG WATERFRONT	AMBIENT	45	675	0.007	<LOQ	
09/25/01	302/008	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
09/25/01	10925A003002	WEST ST & ALBANY	AMBIENT	40	600	0.008	<LOQ	
09/25/01	10925A003003	GATEWAY PLAZA PARK AREA	AMBIENT	40	600		0.008	
PERIMETER SAMPLES								
09/26/01	302/004	MURRAY & CHURCH ST.	AMBIENT	45	675		0.010	<8.00
09/26/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.078	<6.67
09/26/01	302/003	MURRAY & GREENWICH ST.	AMBIENT	45	675		0.008	
09/26/01	10926A307001	WARREN ST & NORTH END AVENUE	AMBIENT	45	675	0.007	<LOQ	
09/26/01	302/002	PARK PL. & CHURCH	AMBIENT	45	675		0.008	
09/26/01	302/001	PARK PL. & GREENWICH	AMBIENT	45	675		0.011	<8.00
09/26/01	10926A307004	TRINITY PL. & THAMES ST.	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307009	VESEY & WEST ST.	AMBIENT	45	675		0.011	16.00
BATTERY PARK SAMPLES								
NORTH END								
09/26/01	302/008	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302009	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525		0.017	<6.67
09/26/01	302/010	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307002	NORTH END AVE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
09/26/01	10926A307003	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/26/01	10926A307006	SOUTH END AVE & ALBANY ST	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307008	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
09/26/01	302/007	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525	0.009	<LOQ	
09/26/01	10926A307007	WEST ST & ALBANY	AMBIENT	35	525		0.014	20.00
09/26/01	10926A307005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525		0.023	13.33
PERIMETER SAMPLES								
09/27/01	302/001	PARK PL. & CHURCH	AMBIENT	35	525		0.050	6.67
09/27/01	302/002	MURRAY & CHURCH ST.	AMBIENT	40	600		0.016	<7.27
09/27/01	302/003	PARK PL. & GREENWICH	AMBIENT	35	525		0.014	6.67
09/27/01	302/004	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/27/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.010	13.33
09/27/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/007	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
09/27/01	10927A207002	VESEY & WEST ST.	AMBIENT	35	525		0.018	60.00
09/27/01	10927A207003	VESEY & WEST ST.	AMBIENT	35	525		0.016	60.00
BATTERY PARK SAMPLES								
NORTH END								
09/27/01	302/008	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/009	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525		0.014	<6.67
09/27/01	302/010	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/011	WEST ST & WARREN ST.	AMBIENT	35	525		0.009	
09/27/01	302/012	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/27/01	302/013	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
09/27/01	LAB3-001	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
09/27/01	LAB3-002	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/27/01	LAB3-003	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600	0.008	<LOQ	
09/27/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	45	675	0.007	<LOQ	
09/27/01	LAB3-005	WEST ST & ALBANY	AMBIENT	45	675	0.007	<LOQ	
09/27/01	LAB3-006	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/28/01	10928A307001	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307004	MURRAY & CHURCH ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307002	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307003	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.059	19.69
09/28/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.036	45.93
09/28/01	10928A307005	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/28/01	10928A307007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307006	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
09/28/01	10928A307009	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/004	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
09/28/01	10928A307008	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148589

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/28/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.012	6.56
09/28/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
09/28/01	LAB3-001	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
09/28/01	LAB3-002	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
09/28/01	302/003	WEST ST AVE & ALBANY	AMBIENT	35	525		0.020	<6.56
09/28/01	LAB3-006	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/005	REAR COURTYARD GATEWAY PLAZA	AMBIENT	35	525	0.009	<LOQ	
09/28/01	302/006	PROMENADE IN FRONT OF STEAMER LANDING	AMBIENT	35	525	0.009	<LOQ	
09/28/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
09/29/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525		0.020	16.00
09/29/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.041	40.00
09/29/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
09/29/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.015	<8.00
09/29/01	302/007	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.058	overload
09/29/01	LAB-006	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/29/01	10929A003003	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.007	<LOQ	
09/29/01	10929A003001	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
09/29/01	10929A003002	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
09/29/01	302/008	WEST ST & WARREN ST.	AMBIENT	35	525	0.008	<LOQ	
09/29/01	10929A003004	RIVER TERRACE & VESEY ST	AMBIENT	45	675	0.007	<LOQ	
SOUTH END								
09/29/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.020	6.67
09/29/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
09/29/01	LAB3-002	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.013	<6.67
09/29/01	LAB3-001	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	<6.67
09/29/01	302/006	WEST ST & ALBANY	AMBIENT	35	525		0.082	80.00
09/29/01	LAB3-007	GATEWAY PLAZA PARK AREA	AMBIENT	45	675		0.020	<8.00
09/29/01	LAB3-003	THIRD PL & W. THAMES AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
09/30/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525		0.024	19.69
09/30/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.042	6.58
09/30/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
09/30/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

NYC-WTC_000148590

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WORLD TRADE CENTER AIR MONITORING TABLE

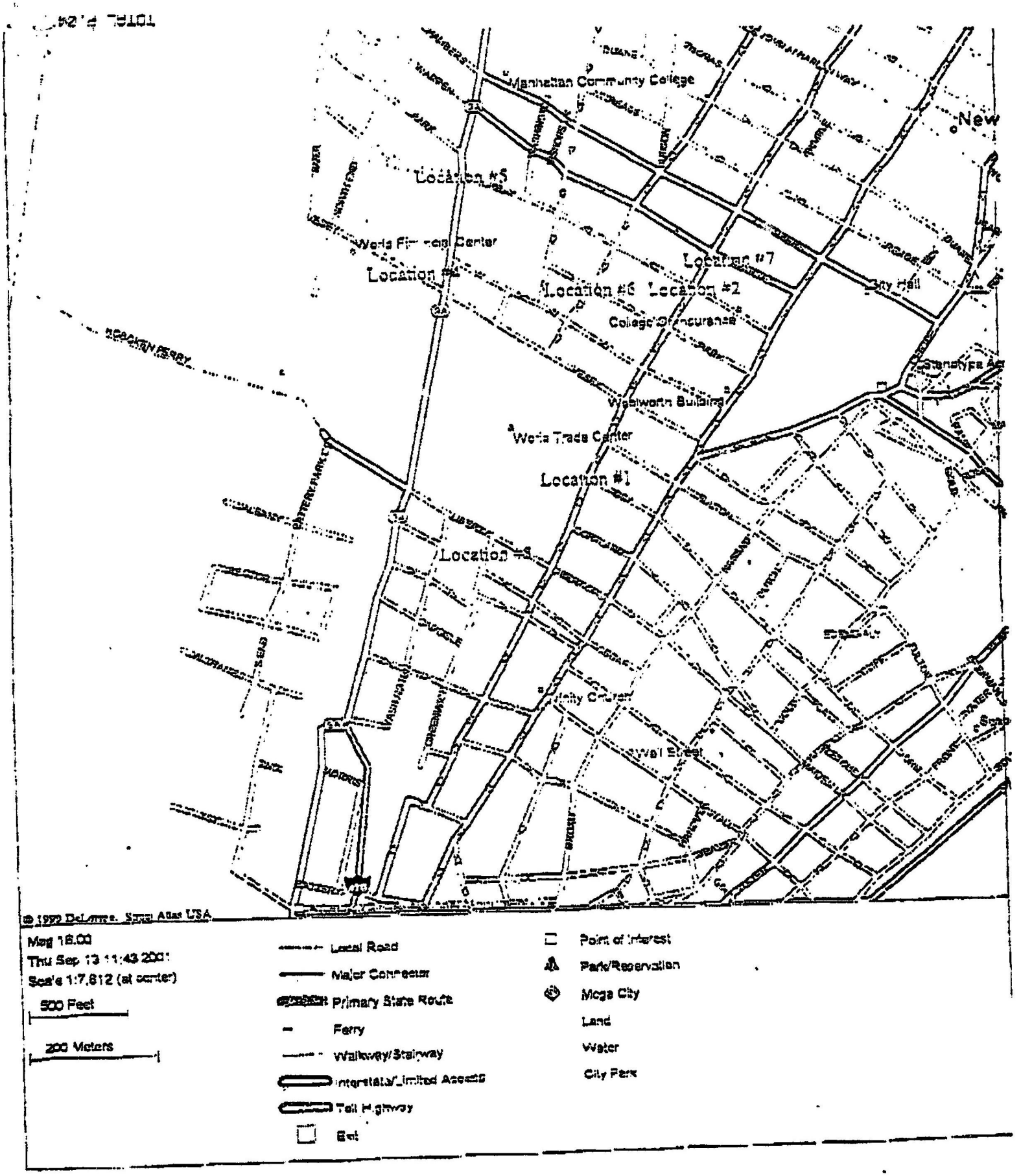
Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
09/30/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.011	<6.56
09/30/01	10930A307/005	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.076	17.50
09/30/01	10930A307/001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
BATTERY PARK SAMPLES								
NORTH END								
09/30/01	10930A307/007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
09/30/01	10930A307/006	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
09/30/01	10930A307/003	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	30	450	0.011	<LOQ	
09/30/01	10930A307/002	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
09/30/01	LAB3/001	RIVER TERRACE & VESEY ST	AMBIENT	40	600	0.008	<LOQ	
SOUTH END								
09/30/01	LAB3/003	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.031	<6.56
09/30/01	LAB3/004	RECTOR PL BY THE PARK	AMBIENT	35	525		0.020	6.56
09/30/01	LAB3/006	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525		0.009	
09/30/01	LAB3/005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.015	<6.56
09/30/01	10930A307/004	WEST ST & ALBANY	AMBIENT	35	525		0.022	39.37
09/30/01	LAB3/002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
10/01/01	302/003	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/004	MURRAY & CHURCH ST.	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/001	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/002	MURRAY & GREENWICH ST.	AMBIENT	35	525	0.009	<LOQ	
10/01/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.035	overload
10/01/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	45	675		0.015	<6.56
BATTERY PARK SAMPLES								
NORTH END								
10/01/01	1101/RTKA30700	RIVER TERRACE & PARK PL WEST	AMBIENT	45	600	0.008	<LOQ	
10/01/01	1101/RTKA30700	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA30700	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA30700	NORTH END AVE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
10/01/01	1101/RTKA30700	WARREN ST & NORTH END AVE	AMBIENT	45	675	0.007	<LOQ	
10/01/01	LAB3-006	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/01/01	LAB3-002	SOUTH END AVE & ALBANY ST	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-003	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-001	W. THAMES ST PARK AREA - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/01/01	LAB3-004	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
10/01/01	1101/RTKA30700	WEST ST & ALBANY	AMBIENT	40	600		0.012	<6.56

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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NYER Asbestos Samples Results						
				Asbestos Concentration		
Date Sampled	Sample Number	Sample Location	Matrix	PLM % Type	IR Screening method	TEM
9/12/01 0:00	00930	NYSC-Comp	Dust	ND	No	
9/12/01 0:00	00931	REM	Dust	ND	Yes	
9/12/01 0:00	00932	Congress	Dust	<1% Chrysotile	No	
9/12/01 0:00	00933	Deghen-car	Dust	ND	Yes	
9/12/01 0:00	00934	Deghen-gnd	Dust	0.5% Chrysotile	Yes	
9/12/01 0:00	00921	NYSC-Pole1	Vacuum			ND
9/12/01 0:00	00922	NYSC-walkway	Vacuum			ND
9/12/01 0:00	00923	Cran1-Ledge	Vacuum			ND
9/12/01 0:00	00924	Cran2-Truck	Vacuum			ND
9/12/01 0:00	00925	REM	Vacuum			ND
9/12/01 0:00	00926	REM-Honda	Vacuum			ND
9/12/01 0:00	00927	Congress	Vacuum			ND
9/12/01 0:00	00928	Deghen-acura	Vacuum			ND
9/12/01 0:00	00929	eghen-acura d	Vacuum			ND
9/12/01 0:00	00593	Field Blank	Vacuum			ND
9/12/01 0:00	00594	Lot Blank	Vacuum			ND
9/12/01 0:00	00595	Trip Blank	Vacuum			ND
9/12/01 0:00	00771	#4 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00772	#5 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00773	#6 Bulk	Dust	<1% Chrysotile, <1% Amosite	Yes	
9/12/01 0:00	00774	#7 Bulk	Dust	<1% Chrysotile, <1% Amosite	No	
9/12/01 0:00	00775	#1 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00776	#4 Bulk	Dust	<1% Chrysotile	Yes	
9/12/01 0:00	00854	#2 Bulk	Dust	<1% Chrysotile, <1% Amosite	No	
9/12/01 0:00	00777	Loc# 1	Air			ND
9/12/01 0:00	00853	Loc# 2	Air			ND
9/12/01 0:00	00778	Loc# 3	Air			ND
9/12/01 0:00	00779	Loc# 4	Air			ND
9/12/01 0:00	00780	Loc# 4 Dup	Air			ND
9/12/01 0:00	00851	Loc# 5	Air			ND
9/12/01 0:00	00852	Loc# 6	Air			ND
9/12/01 0:00	00935	Trip Blank	Air			ND
9/12/01 0:00	00936	Lot Blank	Air			ND
ND - Nondetect; Vacuum - Dust sample collected using Microvacuum						

NYC-WTC_000148591



TOTAL P.24
SEP-13-2001 16:45 NYS ENCON.REGION2 17184824026 P.02/03

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USEPA Dust and Air Analytical Results from 9/12/01 Sampling Event

Ground Zero Seven dust/fibrous materials samples were collected in the vicinity of Ground Zero. All samples contained less than 1% asbestos (Chrysotile). Three samples contained less than 1% amosite. Nine air samples were collected and analyzed for asbestos which was not detected in any samples.

Brooklyn Air Sampling Five dust/fibrous materials samples were collected in South Brooklyn and Brooklyn Heights. All samples contained less than 1% asbestos (Chrysotile). Twelve air samples were analyzed for asbestos which was not detected in any air samples.

Methodology

Air samples were analyzed by TEM EPA 40CFR763 AHERA.
Dust samples were analyzed by PLM - EPA-600 R-93/116.

NYC-WTC_000148593

ROBERT C. AVALTRONI, DEPUTY COMMISSIONER
BUREAU OF AIR, NOISE, & HAZARDOUS MATERIALS

59-17 Junction Blvd., 11th floor
Corona, New York 11368-5107
(718) 595-4418
FAX (718) 595-4544

gvee

City Hall
fire

100 Gold St
Air Monitoring

Perimeter Hot zone

M. Fawzy

9 samples

5 Perimeter

4 inside hot zone

all o Kay

NYC-WTC_000148595

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
10/01/01	LAB3-005	GATEWAY PLAZA PARK AREA	AMBIENT	35	525	0.009	<LOQ	
PERIMETER SAMPLES								
10/02/01	1102RTK307002	MURRAY & CHURCH ST.	AMBIENT	45	675	0.007	<LOQ	
10/02/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.019	6.56
10/02/01	1102RTK307003	MURRAY & GREENWICH ST.	AMBIENT	40	600	0.008	<LOQ	
10/02/01	302/005	WARREN ST & NORTH END AVENUE	AMBIENT	35	525	0.009	<LOQ	
10/02/01	1102RTK307001	PARK PL. & CHURCH	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307004	PARK PL. & GREENWICH	AMBIENT	40	600	0.008	<LOQ	
10/02/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.016	<6.56
BATTERY PARK SAMPLES								
NORTH END								
10/02/01	1102RTK307007	RIVER TERRACE & PARK PL WEST	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307005	RIVER TERRACE & CHAMBERS ST	AMBIENT	45	675	0.007	<LOQ	
10/02/01	1102RTK307006	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	45	675	0.007	<LOQ	
10/02/01	302/004	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
10/02/01	302/006	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-001	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/02/01	LAB3-003	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
10/02/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	40	600	0.008	<LOQ	
10/02/01	LAB3-006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525	0.008	<LOQ	
10/02/01	302/003	WEST ST & ALBANY	AMBIENT	35	525	0.009	<LOQ	
10/02/01	LAB3-002	GATEWAY PLAZA PARK AREA	AMBIENT	40	600	0.008	<LOQ	
PERIMETER SAMPLES								
10/03/01	1103RTK307001	PARK PL. & CHURCH	AMBIENT	35	675	0.009	<LOQ	
10/03/01	1103RTK307002	MURRAY & CHURCH ST.	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307004	PARK PL. & GREENWICH	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307003	MURRAY & GREENWICH ST.	AMBIENT	35	525		0.021	<6.56
10/03/01	302/001	FULTON & CHURCH ST.	AMBIENT	35	525		0.023	<6.56
10/03/01	302/002	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.020	6.56
10/03/01	LAB3-001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525		0.010	<6.56
BATTERY PARK SAMPLES								
NORTH END								
10/03/01	1103RTK307007	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307005	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307006	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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Summary of Sampling at WTC performed by DERTA

Air monitoring performed at ground zero (ambient conditions) utilizing direct reading field instrumentation: 9/12 – 10/5/01

Photoionizable organic compounds
Flame ionizable organic compounds
Carbon Monoxide; Dihydrogen Sulfide; Oxygen; explosive atmospheric conditions
Hydrogen Cyanide; Chlorine; Ammonia
Freon 22

Results: Levels were background or non detectable levels.

Air Monitoring for Asbestos: 9/12 – 10/4/01 (conducted by DERTA)..Attachment 1

See attached air monitoring table for locations and results.

Air Monitoring for Asbestos: 10/5 – Present (Monitoring conducted by DEP certified contractor)..Attachment 2

See attached air monitoring results for location and results.

Bulk/Wipe Sampling for Asbestos: 9/11, 9/16, 9/23, 9/26..Attachment 3

DERTA performed bulk and wipe sampling at the locations noted in attachment.

PCB Wipe Sampling on transformers: 9/27..Attachment 4

DERTA performed PCB wipe sampling per EPA request on 2 buried transformers at WTC building # 7. See attachment for results.

Testing at B5 & B6 sublevel at WTC attack site: 9/30, 10/1..Attachment 5

DERTA performed confined space entry into B5 & B6 sublevels with Port Authority Police & FDNY. DERTA performed ambient air monitoring and testing of flood waters for the following:

Non-Potable Flood Waters:
Level B5 & B6: Tested for Volatile Organic Compounds, Chlorodifluoromethane (Freon 22), (B5: 6 samples taken; B6: 4 samples taken).

Salinity Testing: Level B5: 6 samples taken; Level B6: 4 samples taken.

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WORLD TRADE CENTER AIR MONITORING TABLE

Date Sampled	Sample ID	Location Sampled	Ambient/ Indoor	Duration Sampled (Mins)	Sample Volume (liters)	PCM LOQ (f/cc)	Fiber Conc. PCM (f/cc)	Asbestos Conc. TEM (struc./mm2)
10/03/01	1103RTK307009	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
10/03/01	LAB3-002	NORTH END AVE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/03/01	LAB3-003	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/03/01	LAB3-005	SOUTH END AVE & ALBANY ST	AMBIENT	40	600	0.008	<LOQ	
10/03/01	LAB3-006	RECTOR PL BY THE PARK	AMBIENT	40	600	0.009	<LOQ	
10/03/01	LAB3-008	W. THAMES ST - ALONG WATERFRONT	AMBIENT	40	600		0.011	<6.56
10/03/01	LAB3-007	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	40	600	0.008	<LOQ	
10/03/01	302/003	WEST ST & ALBANY	AMBIENT	35	525	0.009	<LOQ	
10/03/01	1103RTK307008	GATEWAY PLAZA (SOUTHEND AVE/LIBERTY ST)	AMBIENT	35	525		0.010	<6.56
PERIMETER SAMPLES								
10/04/01	302/004	PARK PL. & CHURCH	AMBIENT	35	525	0.009	<LOQ	
10/04/01	302/003	MURRAY & CHURCH ST.	AMBIENT	35	525		0.014	<6.56
10/04/01	302/002	PARK PL. & GREENWICH	AMBIENT	35	525		0.030	6.56
10/04/01	302/001	MURRAY & GREENWICH ST.	AMBIENT	35	525		0.019	<6.56
10/04/01	302/005	FULTON & CHURCH ST.	AMBIENT	35	525		0.016	<6.56
10/04/01	302/006	TRINITY PL. & THAMES ST.	AMBIENT	35	525		0.077	6.56
10/04/01	LAB3-001	WARREN ST & NORTH END AVENUE	AMBIENT	35	525		0.014	<6.56
BATTERY PARK SAMPLES								
NORTH END								
10/04/01	1104RTK307004	RIVER TERRACE & PARK PL WEST	AMBIENT	35	525	0.009	<LOQ	
10/04/01	1104RTK307002	RIVER TERRACE & CHAMBERS ST	AMBIENT	35	525	0.009	<LOQ	
10/04/01	1104RTK307003	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	AMBIENT	35	525	0.009	<LOQ	
10/04/01	1104RTK307001	WEST ST & WARREN ST.	AMBIENT	35	525	0.009	<LOQ	
10/04/01	LAB3-002	NORTH END AVE & PARK PL WEST	AMBIENT	40	600	0.008	<LOQ	
10/04/01	1104RTK307005	RIVER TERRACE & VESEY ST	AMBIENT	35	525	0.009	<LOQ	
SOUTH END								
10/04/01	LAB3-003	SOUTH END AVE & ALBANY ST	AMBIENT	35	525		0.012	6.56
10/04/01	LAB3-004	RECTOR PL BY THE PARK	AMBIENT	35	525	0.009	<LOQ	
10/04/01	LAB3-006	W. THAMES ST - ALONG WATERFRONT	AMBIENT	35	525	0.009	<LOQ	
10/04/01	LAB3-005	WEST OF THIRD PL (SOUTH COVE APARTMENT)	AMBIENT	35	525		0.011	<6.56
10/04/01	302/007	WEST ST & ALBANY	AMBIENT	35	525		0.012	<6.56
10/04/01	1104RTK307006	GATEWAY PLAZA (SOUTHEND AVE/LIBERTY ST)	AMBIENT	35	525		0.022	<6.56

METHODS: 1. PCM : NIOSH 7400 METHOD, "A" COUNTING RULE. 2. TEM : EPA 40 CFR PART 763 FINAL RULE (AHERA)

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HAZMAT TESTING AT GROUND ZERO

VOCS	Carbon Monoxide Chlorine Gas Ammonia Hydrogen Cyanide Freon Combustible Gas Hydrogen Sulfide Natural Gas
Transformers tested	PCP samples less than 1 ppm

Flame ionization detector/photo ionization detector

NYC-WTC_000148598

Air/Asbestos sampling data (10/2/01)

Location #	Date	PCM (f/cc)
1	9/12	0.01
2	9/12	0.01
3	9/15-9/16	<.0043-0.0089
4	9/19	0.012
	9/20	<LOQ
	9/21	<LOQ
	9/22	0.009
	9/23	<LOQ
	9/24	0.008
	9/25	0.007
	9/26	0.017
	9/27	0.014
	9/29	0.007
	9/30	<LOQ
	10/1	0.007
	10/2	0.007
5	9/21	<LOQ
6	9/12	0.08
6A	9/17	0.007
	9/25	0.007
	10/1	0.007
	10/2	0.007
7	9/18	0.008
	9/19	<LOQ
	9/20	<LOQ
	9/21	<LOQ
	9/22	0.009
	9/23	<LOQ
	9/24	<LOQ
	9/25	0.008
	9/26	<LOQ
	9/27	<LOQ
	9/29	0.009
	9/30	<LOQ
	10/1	0.007
	10/2	0.009
8	9/19	0.03
	9/21	0.01
	9/22	<0.01
	9/23	<LOQ
	9/24	0.009
	9/25	0.012
	9/26	<LOQ
	9/27	0.009
	9/29	0.008
	9/30	<LOQ
	10/1	0.009
	10/2	0.009
8A	9/23	<LOQ
	9/27	<LOQ
	9/30	<LOQ
9	9/19	<LOQ
	9/20	<LOQ
	9/21	<LOQ
	9/22	<LOQ
	9/23	<LOQ
	9/24	0.007
	9/25	0.008
	9/26	<LOQ
	9/27	<LOQ
	9/29	0.007
	9/30	<LOQ
	10/1	0.008
	10/2	0.007
10	9/19	0.05
	9/20	<LOQ
	9/21	<LOQ
	9/22	<LOQ
	9/23	<LOQ
	9/24	0.012
	9/25	0.008
	9/27	<LOQ
	10/1	0.007
	10/2	0.009
11	9/13	<LOQ
	9/14	<LOQ
	9/15	0.031
	9/16	0.013
11	9/17	0.012
	9/18	0.011
	9/19	<LOQ
	9/20	<LOQ
	9/21	<LOQ
	9/22	<0.01
	9/23	<LOQ
	9/24	0.009
	9/25	0.007
	9/26	0.008
	9/27	<LOQ
	9/28	<0.009
	9/29	0.009
	9/30	<LOQ
	10/1	0.009
	10/2	0.008
12	9/13	0.22
	9/14	<LOQ
	9/15	0.022
	9/16	0.03
	9/17	0.013
	9/18	0.018
	9/19	0.014
	9/20	<LOQ
	9/21	<LOQ
	9/22	0.01
	9/23	<LOQ
	9/24	0.017
	9/25	0.007
	9/26	0.01
	9/27	0.016
	9/28	<0.009
	9/29	0.041
	9/30	0.042
	10/1	0.009
	10/2	0.007
13	9/14	0.002
	9/15	0.024
	9/16	0.05
	9/17	0.002
14	9/15	0.045
	9/16	0.045
15	9/14	0.009
	9/15	0.076
	9/23	0.014
	9/24	0.012
	9/25	0.009
	9/26	0.011
	9/27	0.014
	9/28	<0.009
	9/29	0.009
	9/30	0.009
	10/1	0.009
	10/2	0.008
16	9/23	0.01
	9/24	0.007
	9/25	0.009
	9/26	0.008
	9/27	0.05
	9/28	<0.009
	9/29	0.009
	9/30	0.024
	10/1	0.009
	10/2	0.007
17	9/19	0.012
	9/21	<LOQ
	9/22	<LOQ
	9/23	<LOQ
	9/24	<0.007
	9/25	0.008
	9/26	<LOQ
	9/27	<LOQ
	9/29	0.007
	9/30	<LOQ
	10/1	0.009
	10/2	0.009
17A	9/19	0.01
18	9/15	<.0046
19	9/15	0.0085
	9/18	0.034
	9/27	0.018
	9/27	0.016
20	9/16	0.035
	9/17	0.024
21	9/13	0.1
	9/14	0.007
	9/15	0.034
	9/16	0.03
	9/17	0.017
	9/18	0.027
	9/19	0.02
	9/20	<LOQ
	9/21	0.008
	9/22	0.008
	9/23	0.026
	9/25	0.008
	9/26	0.078
	9/27	0.01
	9/29	0.015
	9/30	0.011
	10/1	0.035
	10/2	0.019
22	9/14	<LOQ
	9/15	0.035
	9/16	0.03
23	9/15	0.007
24	9/15	0.019Z
	9/14	0.02
	9/18	0.021
26	9/15	0.008
	9/16	0.01
	9/17	0.062
27	9/20	<LOQ
	9/21	0.014
	9/22	0.01
	9/23	<LOQ
	9/24	<0.011
	9/25	0.008
	9/26	0.023
	9/27	<LOQ
	9/29	0.02
	9/30	<LOQ
	10/1,	0.009
	10/2	0.009
28	9/13	<LOQ
29	9/14	0.027
	9/20	<LOQ
	9/25	0.008
	9/27	<LOQ
	9/29	0.058
	9/30	0.076
	10/1	0.015
	10/2	0.016
30	9/15	0.033
	9/16	0.03
31	9/19	0.013
	9/21	<LOQ
	9/22	<LOQ
	9/23	<LOQ
	9/24	0.01
	9/25	0.007
	9/26	<LOQ
	9/27	<LOQ
	9/29	0.02
	9/30	0.031
	10/1	0.009
	10/2	0.008
32	9/21	0.011
	9/22	0.01
	9/23	<LOQ
	9/24	0.01
	9/25	0.008
	9/26	0.014
	9/27	<LOQ
	9/29	0.08
	9/30	0.022
	10/1	0.012
	10/2	0.009
33	9/15	0.0043
33A	9/20	<LOQ
	9/21	<LOQ
	9/22	<LOQ
	9/23	0.029
	9/24	0.039
	9/25	0.007
	9/26	<LOQ
	9/27	<LOQ
	9/29	0.009
	9/30	0.02
	10/1	0.009
	10/2	0.008
34	9/19	<LOQ
	9/21	<LOQ
34	9/22	<0.008
	9/23	<LOQ
	9/24	<0.008
	9/25	0.007
	9/26	<LOQ
	9/27	<LOQ
	9/29	0.013
	9/30	0.009
	10/1	0.009
	10/2	0.009
35	9/20	0.01
	9/29	0.008
36	9/19	<LOQ
	9/20	<LOQ
	9/21	0.009
37	9/23	<LOQ
	9/24	<0.008
	9/25	0.007
	9/26	<LOQ
	9/27	<LOQ
	9/29	0.015
	9/30	0.015
	10/1	0.008

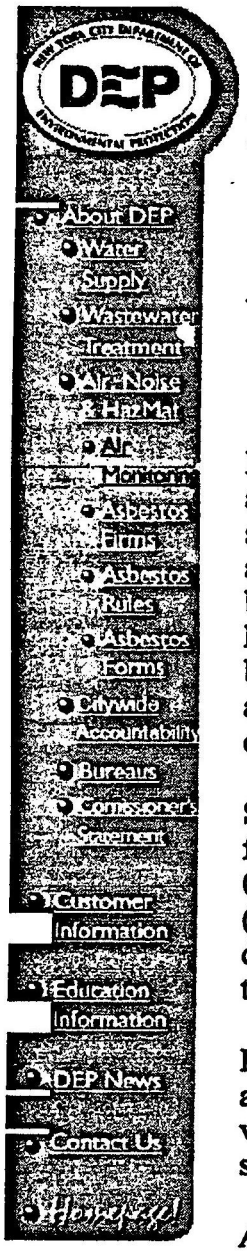
The U.S. and NYC standard for asbestos in community and residential buildings is 0.01 fibers/cubic centimeter (f/cc) in indoor air. DEP is augmenting asbestos sampling being done by USEPA and other state and city agencies.

Results indicate that, as expected, asbestos is present in some of the debris at the site and in areas very close to the site. As of September 28, 2001, most air sampling results outside the security zone were below the standards for asbestos in indoor air.

As testing continues, there may be the possibility of occasional short-term increases in levels of asbestos in the air above the residential standard of 0.01 fibers per cubic centimeter of air. When the measured level for the outdoor ambient air is above .01 f/cc, the samples are being further analyzed to determine how many of the fibers are actually asbestos fibers.

LOQ= Limit of Quantification

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THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Air, Noise and Hazardous Materials

Air Monitoring in Lower Manhattan

School Data

DEP is monitoring the ambient outdoor air for asbestos. This effort is augmenting ambient air asbestos sampling being done by the EPA and other state and city agencies. There is currently no outdoor ambient standard for asbestos. The US and NYC standard for asbestos in community and residential buildings is 0.01 fibers/cubic centimeter (f/cc) in indoor air. An indoor area which has had asbestos detected and then removed must show that air samples are at or below the 0.01 f/cc standard before the indoor area can be re-occupied. Although the ambient outdoor air is being monitored, DEP is using this value as a way to characterize the levels of asbestos in the air.

Since the measurement protocol used, phase contrast microscopy (PCM), counts fibers, DEP is also conducting an additional analysis for all samples that are above 0.01 f/cc. This measurement protocol is called transmission electron microscopy (TEM) and counts the number of asbestos fibers in the sample. EPA is reporting their data in TEMs, and provides a good explanation of the interpretation of the standard that uses this methodology on their website.

Results indicate that, as expected, asbestos is present in some of the debris at the site and in areas very close to the site. Between September 28, 2001 and the present, the vast majority of air sampling results outside the security zone have been below the standards for asbestos in indoor air.

As testing continues, there may be the possibility of occasional short-term increases in levels of asbestos in the air above the residential standard of 0.01 f/cc of air. When the measured level for the outdoor ambient air is above 0.01 f/cc, the samples will be analyzed to determine how many of the fibers are actually asbestos fibers.

To view recent air monitoring results, click on a sampling location below or on the map (Links will open in a new browser window)

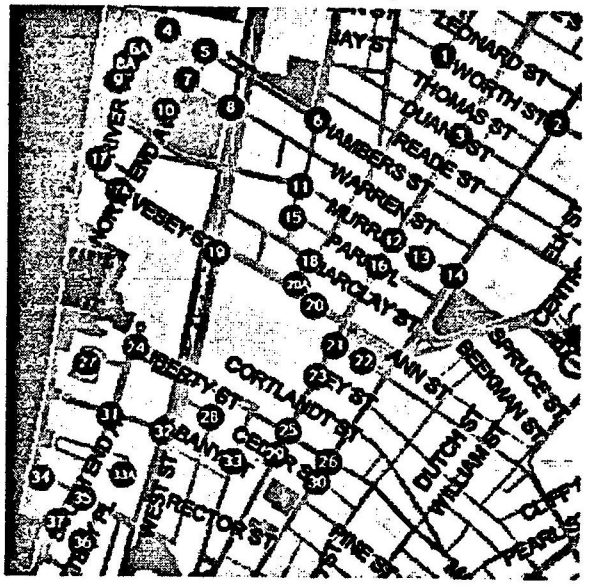
Sampling Site Location

1	West Broadway and Worth Street	19	Vesey and West Street
2	Broadway and Worth Street	20	Vesey between Church and Greenwich Street
3	Duane Street and	20A	Vesey and

NYC-WTC_000148600

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	Trimble Place		West Broadway
4	River Terrace and Chambers Street	21	Fulton and Church Street
5	Chambers and North End Avenue	22	Fulton between Church and Broadway
6	Greenwich and Chambers Street	23	Church and Dey
6A	West end of Warren Street	24	Liberty Street and South End Avenue
7	Warren Street and North End Avenue	25	Liberty and Church Street
8	West Street and Warren Street	26	Liberty and Broadway
8A	River Terrace Park area between Park Place and Warren Street	27	Gateway Plaza Park Area
9	River Terrace and Park Place West	28	Washington and Cedar Street
10	North End Avenue and Park Place West	29	Trinity Place and Thames Street
11	Murray and Greenwich Street	30	Cedar and Broadway
12	Murray and Church Street	31	South End Avenue and Albany Street
13	Murray between Church and Broadway	32	West Street and Albany
14	Broadway and Murray Street	33	Albany and Greenwich
15	Park Place and Greenwich Street	33A	Rector Place by the park
16	Park Place and Church Street	34	West Thames Street - along waterfront
17	River Terrace and Vesey Street	35	South End Avenue and Thames Street
17A	North End Avenue and Vesey Street	36	Third Place and Battery Place - waterside
18	Barclay and West Broadway	37	West of Third Place (South Cove Apartment)



School Monitoring Data

NYC-WTC_000148601

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DEP has been working with the involved City agencies, including the Board of Education, to provide air monitoring in and around the schools near the World Trade Center disaster site. DEP is collecting 8 hour ambient air samples that are analyzed for asbestos at four locations. These locations are outside of the main entrances to: Stuyvesant High School, IS/PS 89, PS 234 and the High School of Economics and Finance. DEP began sampling on October 4, 2001. From October 4th through October 18th, DEP only did a TEM analysis if the PCM concentration was above 0.01 fibers per cubic centimeter (f/cc). During this period of time, there was only one reading above 0.01 f/cc. The TEM result was below the Asbestos Hazard Emergency Response Act (AHERA) standard of 70 structures per square millimeter (s/sqmm). As of October 19, DEP began conducting a TEM analysis on all samples to provide a direct comparison to the AHERA standard. Of the 356 samples that have been collected between October 19 and January 15, 2002, all have been well below the AHERA standard of 70 s/sqmm. Since that period, the results continue to be well below the AHERA standard.

School Monitoring Data ▶

Additonal Information

- Advisory for Building Façade Clean-up
- Notice to Building Owners Located South of 14th Street, Manhattan: Building Maintenance Issues Involved in Reopening Buildings Closed Since 9/11/01
- New York City Department of Health Responds to the World Trade Center Disaster

Last updated February 1, 2002

Air, Noise and Hazardous Materials

- ***Air monitoring in Lower Manahattan***
- Certified Asbestos Investigators, Contractors and Firms
- Asbestos Rules and Regulations
- **Asbestos Abatement Activity** Forms

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225

PLM Bulk Asbestos Report

North Atlantic Laboratories, Inc.
Attn: John Paciulli
100 Sweenoydale Avenue
Bay Shore, NY 11706

Date Received (10/08/2001) SciLab Job No. 201101751
Date Examined 10/09/2001 P.O.# 01-
ELAP Number 11480 Page 1 of 1
RE: 01-; Dr. Bernstein; Work Area Apt. 33F, 200 Rector Place

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
01	201101751-01	*No*	NAD[1]

Location: WTC Dust, Living Room

Descriptions: Beige, Heterogeneous, Bulk Material
Asbestos Types:
Other Material: Cellulose 60. %, Fibrous glass 20. %, Non-fibrous 20. %

Reporting Notes:

(1) Composite analysis results for heterogeneous debris samples may be highly variable due to inhomogeneities in materials present

Analyzed by: Ivan Recalde

*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200546-0) and ELAP PLM Analysis Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11480); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. AIHA# 1028-13; VT Cert# VT-016055

Reviewed By:

Please take water out of sample
Repeat analysis of this sample
under TEM if positive for
any asbestos* that all fibers less
than 5 microns Katherine Bernstein
*5 microns is lower limit of resolution on PLM

NYC-WTC_000148604

P. 03

FAX NO.

JAN-25-2002 FRI 09:39 AM

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SciLab Job#: 201101751

Client Name: North Atlantic Laboratories, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

01-; Dr. Bernstein; Work Area Apt. 33F, 200 Rector Place

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	01		0.037	51.35	45.95	2.60	NAD	Chrysotile Present
	WTC Dust, Living Room (INSUFFICIENT SAMPLE TO QUANTIFY.)							

Analyzed by: Glenn Massey_____; Date Analyzed: 12/4/2001

*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200546-0) and ELAP PLM Analysis Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11480); ELAP TEM Analysis Protocol 198.4 for negative NY NOB samples: Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.
AIHA# 102543; VT Cert# AL016055 NVA=No Visible Asbestos

Reviewed By:_____

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PLM Bulk Asbestos Report

North Atlantic Laboratories, Inc.
Attn: John Paciulli
100 Sweeneydale Avenue
Bay Shore, NY 11706

Date Received 11/29/2001 SciLab Job No. 201113743
Date Examined 12/04/2001 P.O.# Bernstein
ELAP Number 11480 Page 1 of 2
RE: Bernstein; 200 Rector Place, Apt. 33F

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1	201113743-01 (exterior sill)	No	NAD

Location: Living Rm. Sill

Description: Grey, Homogeneous, Bulk Material
Asbestos Types:
Other Material: Cellulose 3. %, Fibrous glass 7. %, Non-fibrous 90. %

2	201113743-02	No	NAD

Location: Living Rm. Sill

Description: Grey, Homogeneous, Bulk Material
Asbestos Types:
Other Material: Cellulose 25. %, Fibrous glass 10. %, Synthetic fibers 15. %, Non-fibrous 50. %

3	201113743-03	No	NAD

Location: Living Rm. Floor

Description: Grey, Homogeneous, Bulk Material
Asbestos Types:
Other Material: Cellulose 50. %, Fibrous glass 4. %, Synthetic fibers 10. %, Non-fibrous 36. %

4	201113743-04	No	NAD

Location: Bathroom Vent

Description: Grey, Homogeneous, Bulk Material
Asbestos Types:
Other Material: Cellulose 50. %, Fibrous glass 2. %, Synthetic fibers 10. %, Non-fibrous 38. %

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NYC-WTC_000148606

P. 05

FAX NO.

JAN-25-2002 FRI 09:39 AM

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SciLab Job#: 201122430

Client Name: Kallaway, Inc.

Table I

Summary of Bulk Asbestos Analysis Results

200 Rector Place Apt. 33F, New York, NY 10280

SciLab Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	1		0.15	59.33	33.33	6.33	NA	Chrysotile < 1.0

Interior Living Room Along Left Ledge Of Book Case/Cabinet

Loro Thru 1/9

Analyzed by: Cleas Massey; Date Analyzed: 1/16/01

*NAD/NSD = no asbestos detected; NA = not analyzed; NA/S = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #206546-0) and ELAP PLM Asb Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11420); ELAP TEM Analysis Protocol 198.4 for negative NY NOB samples: Note: PLM is not consistently reliable in detecting asbestos in floor coverin and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also se EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval the laboratory. This PLM report relates ONLY to the items tested.
AIHA# 102843; VT Cert# AL01:6055 NVA=No Visible Asbestos

Reviewed By:

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FACSIMILE TELECOPY TRANSMISSION

To:	Kate Bornstein Kallwaya, Inc.	From:	Glenn Massey
Fax #:	212-945-7226	SCILAB Job#:	201122430
Date:	Monday, December 17, 2001	Subject:	EL-AP-TEM rush Results
Time:	11:22:19	Client Project:	200 Rector Place Apt. 33F, New York, NY 10280

Comments:

Number of Pages: 4 (including cover sheet)

Dr. Bornstein:

Recommend analysis following ASTM method 5755 for concentration of potential airborn release of asbestos and fiberous glass in dust, since typical asbestos structures detected in this bulk sample are less thgt 5 microns in length and 0.2 microne in diameter. Also recommend analysis of dust for silica.

Thank you,

Glenn Massey

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WTC Indoor Air Monitoring - Sampling and Analytical Procedures

Media	Sampling Points	Analytical Parameters	Sampling Method Proposed	Sampling Vulnerability/Practicality	Analytical Method Proposed
Porous Soft surfaces	? to use for Micro vac for Presence of Asbestos Carpets, fabric furniture or drapery in areas of activity (living rooms, family rooms) Detect/Nondetect	Asbestos	Microvac ASTM 5755-95	"This test method does not describe procedures or techniques required to evaluate the safety or habitability of buildings with asbestos-containing materials, or compliance with federal, state, or local regulations or statutes. It is the user's responsibility to make these determinations." (Section 5.1.1 of method 5755-95)	ASTM 5755-95 collection method efficiency is not known
		Lead	Microvac ASTM 5755-95**	"	NIOSH 7300
		Dioxins	Still checking on methods. Reached out to RTP and HQ. Waiting for additional information	After speaking with several people in HQ and RTP, it does not appear there are standardized methods for the collection of these parameters, rather many of the methods being used today are research and development procedures.	To be determined once the sampling method (if any) has be selected
		PAHs	"	"	"
		Silica	"	"	"
		MMVF	Microvac ASTM 5755-95	See the comment for asbestos. Samples will be combined with the asbestos sampling.	EMSL MSD.0300
Non-porous Hard surfaces	Horizontal surfaces of tables or counters and barefloors, ceilings and walls in areas of activity (living rooms, family rooms)	Asbestos	Wipe ASTM D 6480-99 or Microvac ASTM 5755-95	"This test method does not describe procedures or techniques required to evaluate the safety or habitability of buildings with asbestos-containing materials, or compliance with federal, state, or local regulations or statutes. It is the user's responsibility to make these determinations." (Section 5.1.1 of method 5755-95)	ASTM D 6480-99 (wipe) or ASTM 5755-95 (microvac)
		Lead	NIOSH 9100	None known, wipe sampling has been legally defended.	SW-846 6010B
		Dioxins	ASTM D 6661-01	"	ASTM 6661-01/SW-846 8290
		PAHs	ASTM D 6661-01	"	ASTM 6661-01/SW-846 8270C
		Silica	See comment for silica above.	See comment for silica above.	See comment for silica above.
		MMVF	Wipe ASTM D 6480-99 or Microvac ASTM 5755-95	Same as asbestos microvac. Samples will be combined with the asbestos sampling.	EMSL MSD.0300
Indoor Air	Areas of known activity (living rooms, family rooms)	Asbestos	NIOSH 7400	Air pump operated at 10L/min for 8 hours to achieve the PIC wkgroup detection limits	PCM NIOSH 7400 followed by TEM AHERA method.
		Lead	NIOSH 7300	Air pump operated at 10L/min for 8 hours to achieve the PIC wkgroup detection limits	SW-846 6010B
		Silica	NIOSH 7500	Air pump operated at 2.5L/min for 8 hours to achieve the PIC wkgroup detection limits	NIOSH 7500 (XRD)
		MMVF	NIOSH 7400	Assumed that it behaves the same as asbestos, samples will be combined with the asbestos sampling.	EMSL MSD.0300

NOTE: All samples (cassettes and wipes) will be preweighed by the laboratory or supplier prior to sample collection. After sample collection and upon receipt of the samples by the laboratory, the laboratory will weigh the sample wipe or cassette prior to performing the analysis.

** This method is for asbestos and is being modified for the collection of lead dust. Modification - to use the filter specified for method NIOSH 7300

NYC-WTC_000148609

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Summary of the total samples collected and the status of the collected samples.

Counts	Asbestos			Dioxin		Fibrous Glass		Lead			MMVF		PAHs		Silica	
	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
Collected, no results	11	39	9	3	0	7	0	43	39	18	0	28	7	0	24	20
Analyzed	147	0	115	0	0	131	0	0	0	0	0	0	0	0	101	0
Cleared	0	83	0	136	3	0	0	67	14	82	0	74	24	5	0	0
Exceeded	0	7	0	1	0	0	0	10	2	24	0	25	11	0	0	34
Not Evaluated	1	46	0	0	0	0	0	2	0	0	0	0	0	0	1	0
Total Collected	159	175	124	140	3	138	0	152	85	124	0	127	136	5	126	54

Key:

Collected, no results	Sample collected, no analytical results received yet.
Analyzed	Results received but no clearance value available, thus they are classified only as being analyzed.
Cleared	Below our clearance values.
Exceeded	Exceeded our clearance values (note: silica detection limit above clearance value).
Not Evaluated	No analytical analysis was conducted.

NYC-WTC_000148610

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Pilot Cleaning Sample Log

X = Collected A = Analyzed C = Cleared E = Exceeded N = Not Evaluated

Unit	Sample ID	Cleaning Type (Pre- or Post-cleaning)	Asbestos			Dioxin		Fibrous Glass		Compound Lead			MMVF		PAHs		Silica	
			Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
2A	9094-M-2A-006	Pre-cleaning			A							C						
2A	9094-M-2A-007	Pre-cleaning			A							C						
2A	9094-M-2A-008	Pre-cleaning			A							C						
2A	9094-M-2A-009	Pre-cleaning			A							C						
2A	9094-W-2A-001	Pre-cleaning	A															
2A	9094-W-2A-002	Pre-cleaning	A			C		A		C					C		A	
2A	9094-W-2A-003	Pre-cleaning	A			C		A		E					C		A	
2A	9094-W-2A-004	Pre-cleaning	A			C		A		E					C		A	
2A	9094-W-2A-005	Pre-cleaning	A			C		A		E					C		A	
2A	9094-A-2A-025	Post-recleaning		C														
2A	9094-A-2A-026	Post-recleaning		C														
2A	9094-A-2A-027	Post-recleaning		C														
2A	9094-A-2A-028	Post-recleaning		C														
2A	9094-A-2A-029	Post-recleaning		C														
2A	9094-A-2A-030	Post-recleaning		C														
2A	9094-A-2A-010	Post-cleaning		N										C				
2A	9094-A-2A-011	Post-cleaning		N										C				
2A	9094-A-2A-012	Post-cleaning		N										C				
2A	9094-A-2A-013	Post-cleaning									C							
2A	9094-A-2A-014	Post-cleaning									C							
2A	9094-A-2A-015	Post-cleaning																E
2A	9094-A-2A-016	Post-cleaning																E
2A	9094-M-2A-022	Post-cleaning			A							C						
2A	9094-M-2A-023	Post-cleaning			A							C						
2A	9094-M-2A-024	Post-cleaning			A							C						
2A	9094-W-2A-017	Post-cleaning	A					A										
2A	9094-W-2A-018	Post-cleaning	A			C		A		C					C		A	
2A	9094-W-2A-019	Post-cleaning	A			C		A		C					C		A	
2A	9094-W-2A-020	Post-cleaning	A			C		A		C					C		A	
2A	9094-W-2A-021	Post-cleaning	A			C		A		C					C		A	
2B	9094-M-2B-005	Pre-cleaning			A							C						
2B	9094-M-2B-006	Pre-cleaning			A							C						
2B	9094-M-2B-007	Pre-cleaning			A							C						
2B	9094-W-2B-001	Pre-cleaning	A															
2B	9094-W-2B-002	Pre-cleaning	A			C		A		C					C		A	
2B	9094-W-2B-003	Pre-cleaning	A			C		A		E					C		A	
2B	9094-W-2B-004	Pre-cleaning	A			C		A		C					C		A	
2B	9094-A-2B-024	Post-recleaning									X							
2B	9094-A-2B-008	Post-cleaning		C										C				
2B	9094-A-2B-009	Post-cleaning		C										C				
2B	9094-A-2B-010	Post-cleaning		C										C				
2B	9094-A-2B-011	Post-cleaning									C							
2B	9094-A-2B-012	Post-cleaning									C							
2B	9094-A-2B-013	Post-cleaning																E
2B	9094-A-2B-014	Post-cleaning																E
2B	9094-M-2B-020	Post-cleaning			A							C						
2B	9094-M-2B-021	Post-cleaning			A							C						
2B	9094-M-2B-022	Post-cleaning			A							C						
2B	9094-M-2B-023	Post-cleaning			A							C						
2B	9094-W-2B-015	Post-cleaning	A					A										
2B	9094-W-2B-016	Post-cleaning	A			C		A		C					C		A	
2B	9094-W-2B-017	Post-cleaning	A			C		A		C					C		A	
2B	9094-W-2B-018	Post-cleaning	A			C		A		C					C		A	
2B	9094-W-2B-019	Post-cleaning	A			C		A		C					C		A	
2B	9094-A-2B-024										C							
2nd Floor Hallway	9094-A-2ND-001	Post-cleaning		X										X				
2nd Floor Hallway	9094-A-2ND-002	Post-cleaning		X										X				
2nd Floor Hallway	9094-A-2ND-003	Post-cleaning									X							
2nd Floor Hallway	9094-A-2ND-004	Post-cleaning									X							
2nd Floor Hallway	9094-A-2ND-005	Post-cleaning																X
2nd Floor Hallway	9094-A-2ND-006	Post-cleaning		X										X				X
3A	9094-A-3A-005	Pre-cleaning		C										C				
3A	9094-A-3A-006	Pre-cleaning		C										C				
3A	9094-M-3A-006	Pre-cleaning			A							C						
3A	9094-M-3A-007	Pre-cleaning			A							C						
3A	9094-M-3A-008	Pre-cleaning			A							C						
3A	9094-M-3A-009	Pre-cleaning			A							C						
3A	9094-W-3A-001	Pre-cleaning	A															

Pilot Cleaning Sample Log

X = Collected A = Analyzed C = Cleared E = Exceeded N = Not Evaluated

Unit	Sample ID	Cleaning Type (Pre- or Post-cleaning)	Compound															
			Asbestos			Dioxin		Fibrous Glass		Lead			MMVF		PAHs		Silica	
			Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
3A	9094-W-3A-002	Pre-cleaning	A			C		A		C					C		A	
3A	9094-W-3A-003	Pre-cleaning	A			C		A		E					C		A	
3A	9094-W-3A-004	Pre-cleaning	A			C		A		C					C		A	
3A	9094-A-3A-010	Post-cleaning		C										C				
3A	9094-A-3A-011	Post-cleaning		N										C				
3A	9094-A-3A-012	Post-cleaning		C										C				
3A	9094-A-3A-013	Post-cleaning									X							
3A	9094-A-3A-014	Post-cleaning									X							
3A	9094-A-3A-015	Post-cleaning																X
3A	9094-A-3A-016	Post-cleaning																X
3A	9094-M-3A-022	Post-cleaning			A							X						
3A	9094-M-3A-023	Post-cleaning			A							X						
3A	9094-M-3A-024	Post-cleaning			A							X						
3A	9094-M-3A-025	Post-cleaning			A							X						
3A	9094-W-3A-017	Post-cleaning	A					A										
3A	9094-W-3A-018	Post-cleaning	A			C		A		X					C		X	
3A	9094-W-3A-019	Post-cleaning	A			C		A		X					C		X	
3A	9094-W-3A-020	Post-cleaning	A			C		A		X					C		X	
3A	9094-W-3A-021	Post-cleaning	A			C		A		X					C		X	
3B	9094-A-3B-039	Third-cleaning		C														
3B	9094-A-3B-040	Third-cleaning		C														
3B	9094-A-3B-041	Third-cleaning		C														
3B	9094-A-3B-009	Pre-cleaning		C										C				
3B	9094-A-3B-010	Pre-cleaning		C										C				
3B	9094-M-3B-006	Pre-cleaning			A							C						
3B	9094-M-3B-007	Pre-cleaning			A							C						
3B	9094-M-3B-008	Pre-cleaning			A							C						
3B	9094-W-3B-001	Pre-cleaning	A												C		A	
3B	9094-W-3B-002	Pre-cleaning	A			C		A		C					C		A	
3B	9094-W-3B-003	Pre-cleaning	A			C		A		C					C		A	
3B	9094-W-3B-004	Pre-cleaning	A			C		A		C					C		A	
3B	9094-W-3B-005	Pre-cleaning	X			C		X		X					C		A	
3B	9094-W-3B-037	Post-recleaning								N								
3B	9094-W-3B-038	Post-recleaning								C								
3B	9094-A-3B-011	Post-cleaning		N										C				
3B	9094-A-3B-012	Post-cleaning		N										C				
3B	9094-A-3B-013	Post-cleaning		N										C				
3B	9094-A-3B-014	Post-cleaning									C							
3B	9094-A-3B-015	Post-cleaning									C							
3B	9094-A-3B-016	Post-cleaning																E
3B	9094-A-3B-017	Post-cleaning																E
3B	9094-A-3B-026	Post-cleaning		C														
3B	9094-A-3B-027	Post-cleaning		E														
3B	9094-A-3B-028	Post-cleaning		C														
3B	9094-A-3B-029	Post-cleaning		C														
3B	9094-A-3B-030	Post-cleaning		C														
3B	9094-A-3B-031	Post-cleaning		E														
3B	9094-A-3B-032	Post-cleaning		E														
3B	9094-A-3B-033	Post-cleaning		C														
3B	9094-A-3B-034	Post-cleaning		C														
3B	9094-A-3B-035	Post-cleaning		E														
3B	9094-A-3B-036	Post-cleaning		C														
3B	9094-M-3B-023	Post-cleaning			A							C						
3B	9094-M-3B-024	Post-cleaning			A							C						
3B	9094-M-3B-025	Post-cleaning			A							C						
3B	9094-W-3B-018	Post-cleaning	A															
3B	9094-W-3B-019	Post-cleaning	A			C		A		C					C		A	
3B	9094-W-3B-020	Post-cleaning	A			C		A		E					C		A	
3B	9094-W-3B-021	Post-cleaning	A			C		A		C					C		A	
3B	9094-W-3B-022	Post-cleaning	A			C		A		C					C		A	
3C	9094-A-3C-032	Third-cleaning		C														
3C	9094-A-3C-033	Third-cleaning		C														
3C	9094-A-3C-034	Third-cleaning		C														
3C	9094-A-3C-035	Third-cleaning		C														
3C	9094-A-3C-036	Third-cleaning		C														
3C	9094-A-3C-037	Third-cleaning		C														
3C	9094-M-3C-005	Pre-cleaning			A							E						
3C	9094-M-3C-006	Pre-cleaning			A													

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NYC-WTC_000148611

NYC-WTC_00014861

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Pilot Cleaning Sample Log

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Unit	Sample ID	Cleaning Type (Pre- or Post-cleaning)	Compound																	
			Asbestos			Dioxin		Fibrous Glass		Lead			MMVF		PAHs		Silica	
			Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
3C	9094-M-3C-007	Pre-cleaning			A							E, E						
3C	9094-M-3C-008	Pre-cleaning			A							E						
3C	9094-W-3C-001	Pre-cleaning	A															
3C	9094-W-3C-002	Pre-cleaning	A			C		A		C					C		A	
3C	9094-W-3C-003	Pre-cleaning	A			E		A		E					E		A	
3C	9094-W-3C-004	Pre-cleaning	A			C		A		E					C		A	
3C	9094-A-3C-025	Post-recleaning		N										E				
3C	9094-A-3C-026	Post-recleaning		N										C				
3C	9094-A-3C-027	Post-recleaning		N										C				
3C	9094-A-3C-028	Post-recleaning		N										C				
3C	9094-A-3C-029	Post-recleaning		N										C				
3C	9094-A-3C-030	Post-recleaning									C							
3C	9094-A-3C-031	Post-recleaning									C							
3C	9094-A-3C-009	Post-cleaning		N										C				
3C	9094-A-3C-010	Post-cleaning		N										C				
3C	9094-A-3C-011	Post-cleaning		N										C				
3C	9094-A-3C-012	Post-cleaning									C							
3C	9094-A-3C-013	Post-cleaning									C							
3C	9094-A-3C-014	Post-cleaning																E
3C	9094-A-3C-015	Post-cleaning																E
3C	9094-A-3C-016	Post-cleaning	A															
3C	9094-M-3C-021	Post-cleaning			A							C						
3C	9094-M-3C-022	Post-cleaning			A							C						
3C	9094-M-3C-023	Post-cleaning			A							E						
3C	9094-M-3C-024	Post-cleaning			A							C						
3C	9094-W-3C-017	Post-cleaning	A			C		A		C					C		A	
3C	9094-W-3C-018	Post-cleaning	A			C		A		C					C		A	
3C	9094-W-3C-019	Post-cleaning	A			C		A		C					C		A	
3C	9094-W-3C-020	Post-cleaning	A			C		A		C					C		A	
3D	9094-M-3D-005	Pre-cleaning			A							E						
3D	9094-M-3D-006	Pre-cleaning			A							C						
3D	9094-M-3D-007	Pre-cleaning			A							C						
3D	9094-W-3D-001	Pre-cleaning	A															
3D	9094-W-3D-002	Pre-cleaning	A			C		A		C					C		A	
3D	9094-W-3D-003	Pre-cleaning	A			C		A		E					C		A	
3D	9094-W-3D-004	Pre-cleaning	A			C		A		E					C		A	
3D	9094-W-3D-005	Pre-cleaning	A			C		A		C					C		A	
3D	9094-A-3D-023	Post-recleaning		C														
3D	9094-A-3D-024	Post-recleaning		C														
3D	9094-A-3D-025	Post-recleaning		C														
3D	9094-A-3D-026	Post-recleaning		C														
3D	9094-A-3D-008	Post-cleaning		N										C				
3D	9094-A-3D-009	Post-cleaning		N										C				
3D	9094-A-3D-010	Post-cleaning		N										C				
3D	9094-A-3D-011	Post-cleaning									X							
3D	9094-A-3D-012	Post-cleaning									X							
3D	9094-A-3D-013	Post-cleaning																X
3D	9094-A-3D-014	Post-cleaning																X
3D	9094-M-3D-020	Post-cleaning			A							X						
3D	9094-M-3D-021	Post-cleaning			A							X						
3D	9094-M-3D-022	Post-cleaning			A							X						
3D	9094-W-3D-015	Post-cleaning	A					A										
3D	9094-W-3D-016	Post-cleaning	A			C		A		X					C		X	
3D	9094-W-3D-017	Post-cleaning	A			C		A		X					C		X	
3D	9094-W-3D-018	Post-cleaning	A			C		A		X					C		X	
3D	9094-W-3D-019	Post-cleaning	A			C		A		X					C		X	
3rd Floor Hallway	9094-A-3RD-001	Post-cleaning		X										X				
3rd Floor Hallway	9094-A-3RD-002	Post-cleaning									X							
3rd Floor Hallway	9094-A-3RD-003	Post-cleaning									X							
3rd Floor Hallway	9094-A-3RD-004	Post-cleaning																X
3rd Floor Hallway	9094-A-3RD-005	Post-cleaning																X
4A	9094-M-4A-005	Pre-cleaning			A							C						
4A	9094-M-4A-006	Pre-cleaning			A							C						
4A	9094-M-4A-007	Pre-cleaning			A							C						
4A	9094-W-4A-001	Pre-cleaning	A															
4A	9094-W-4A-002	Pre-cleaning	A			C		A		C					C		A	
4A	9094-W-4A-003	Pre-cleaning	A			C		A		C					C		A	
4A	9094-W-4A-004	Pre-cleaning	A			C		A		C					C		A	

Pilot Cleaning Sample Log

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Unit	Sample ID	Cleaning Type (Pre- or Post-cleaning)	Compound: Asbestos			Dioxin		Fibrous Glass		Lead			MMVF		PAHs		Silica	
			Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
4A	9094-M-4A-023	Post-recleaning		X														
4A	9094-M-4A-024	Post-recleaning		X														
4A	9094-M-4A-025	Post-recleaning		X														E
4A	9094-M-4A-026	Post-recleaning																E
4A	9094-M-4A-027	Post-recleaning												C				
4A	9094-A-4A-008	Post-cleaning		N										C				
4A	9094-A-4A-009	Post-cleaning		N										C				
4A	9094-A-4A-010	Post-cleaning		N							C							
4A	9094-A-4A-011	Post-cleaning									C							
4A	9094-A-4A-012	Post-cleaning																E
4A	9094-A-4A-013	Post-cleaning																E
4A	9094-A-4A-014	Post-cleaning										C						
4A	9094-M-4A-020	Post-cleaning			A							C						
4A	9094-M-4A-021	Post-cleaning			A							C						
4A	9094-M-4A-022	Post-cleaning	A				A			C					C		A	
4A	9094-W-4A-015	Post-cleaning	A			C	A			C					C		A	
4A	9094-W-4A-016	Post-cleaning	A			C	A			C					C		A	
4A	9094-W-4A-017	Post-cleaning	A			C	A			C					C		A	
4A	9094-W-4A-018	Post-cleaning	A			C	A								C		A	
4A	9094-W-4A-019	Post-cleaning	A							C					C		A	
4B	9094-W-4B-001	Pre-cleaning	A			C	A			E					C		A	
4B	9094-W-4B-002	Pre-cleaning	A			C	A			C					C		A	
4B	9094-W-4B-003	Pre-cleaning	A			C	A			E					C		A	
4B	9094-W-4B-004	Pre-cleaning	A			C	A			C					C		A	
4B	9094-W-4B-005	Pre-cleaning	A			C	A			E					C		A	
4B	9094-A-4B-018	Post-recleaning									X							
4B	9094-A-4B-019	Post-recleaning									X							
4B	9094-A-4B-006	Post-cleaning		C										C				
4B	9094-A-4B-007	Post-cleaning		C										C				
4B	9094-A-4B-008	Post-cleaning		C										C				
4B	9094-A-4B-009	Post-cleaning									C							
4B	9094-A-4B-010	Post-cleaning									C							
4B	9094-A-4B-011	Post-cleaning																E
4B	9094-A-4B-012	Post-cleaning																E
4B	9094-W-4B-013	Post-cleaning	A				A											
4B	9094-W-4B-014	Post-cleaning	A			C	A			C					C		A	
4B	9094-W-4B-015	Post-cleaning	A			C	A			C					C		A	
4B	9094-W-4B-016	Post-cleaning	A			C	A			C					C		A	
4B	9094-W-4B-017	Post-cleaning	A			C	A			C					C		A	
4B	9094-A-4B-018										C							
4B	9094-A-4B-019										C							
4C	9094-M-4C-005	Pre-cleaning			A							E						
4C	9094-M-4C-006	Pre-cleaning			A							E						
4C	9094-M-4C-007	Pre-cleaning			A							E						
4C	9094-M-4C-008	Pre-cleaning			A							E						
4C	9094-W-4C-001	Pre-cleaning	A															
4C	9094-W-4C-002	Pre-cleaning	A			C	A			C					C		A	
4C	9094-W-4C-003	Pre-cleaning	A			C	A			E					C		A	
4C	9094-W-4C-004	Pre-cleaning	A			C	A			E					C		A	
4C	9094-A-4C-026	Post-recleaning									C							
4C	9094-A-4C-009	Post-cleaning		C										C				
4C	9094-A-4C-010	Post-cleaning		C										C				
4C	9094-A-4C-011	Post-cleaning		C										C				
4C	9094-A-4C-012	Post-cleaning									X							
4C	9094-A-4C-013	Post-cleaning									X							
4C	9094-A-4C-015	Post-cleaning																X
4C	9094-A-4C-016	Post-cleaning														C		X
4C	9094-A-4C-017	Post-cleaning														C		
4C	9094-A-4C-018	Post-cleaning																
4C	9094-M-4C-023	Post-cleaning			A							X						
4C	9094-M-4C-024	Post-cleaning			A							X						
4C	9094-M-4C-025	Post-cleaning			A							X						
4C	9094-W-4C-018	Post-cleaning	A				A								C		X	
4C	9094-W-4C-019	Post-cleaning	A			C	A			X					C		X	
4C	9094-W-4C-020	Post-cleaning	A			C	A			X					C		X	
4C	9094-W-4C-021	Post-cleaning	A			C	A			X					C		X	
4C	9094-W-4C-022	Post-cleaning	A			C	A			X					C		X	
4D	9094-M-4D-006	Pre-cleaning			A							E						

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NYC-WTC_000148613

NYC-WTC_000148614

NYC 9/11 Public Portal Document

Pilot Cleaning Sample Log

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Unit	Sample ID	Cleaning Type (Pre- or Post-cleaning)	Asbestos			Dioxin		Fibrous Glass		Compound Lead			MMVF		PAHs		Silica	
			Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
4D	9094-M-4D-007	Pre-cleaning			A							E						
4D	9094-M-4D-008	Pre-cleaning			A							E						
4D	9094-M-4D-009	Pre-cleaning			A							E						
4D	9094-M-4D-010	Pre-cleaning			A							E						
4D	9094-M-4D-011	Pre-cleaning			A							E						
4D	9094-W-4D-001	Pre-cleaning	A															
4D	9094-W-4D-002	Pre-cleaning	A			C		A		C					C		A	
4D	9094-W-4D-003	Pre-cleaning	A			C		A		E					C		A	
4D	9094-W-4D-004	Pre-cleaning	A			C		A		C					C		A	
4D	9094-W-4D-005	Pre-cleaning	A			C		A		C					C		A	
4D	9094-A-4D-030	Post-recleaning									X							
4D	9094-W-4D-031	Post-recleaning								X								
4D	9091-A-4D-016	Post-cleaning									X							
4D	9094-A-4D-012	Post-cleaning		C										C				
4D	9094-A-4D-013	Post-cleaning		C										C				
4D	9094-A-4D-014	Post-cleaning		C										C				
4D	9094-A-4D-015	Post-cleaning									X							
4D	9094-A-4D-017	Post-cleaning																X
4D	9094-A-4D-018	Post-cleaning																X
4D	9094-M-4D-024	Post-cleaning			A							X						
4D	9094-M-4D-025	Post-cleaning			A							X						
4D	9094-M-4D-026	Post-cleaning			A							X						
4D	9094-M-4D-027	Post-cleaning			A							X						
4D	9094-M-4D-028	Post-cleaning			A							X						
4D	9094-M-4D-029	Post-cleaning			A							X						
4D	9094-W-4D-019	Post-cleaning	A					A										
4D	9094-W-4D-020	Post-cleaning	A			C		A		X					C		X	
4D	9094-W-4D-021	Post-cleaning	A			C		A		X					C		X	
4D	9094-W-4D-022	Post-cleaning	A			C		A		X					C		X	
4D	9094-W-4D-023	Post-cleaning	A			C		A		X					C		X	
4D	9094-A-4D-030										C							
4D	9094-W-4D-031									C								
4th Floor Hallway	9094-A-4TH-001	Post-cleaning		C										C				
4th Floor Hallway	9094-A-4TH-002	Post-cleaning									C							
4th Floor Hallway	9094-A-4TH-003	Post-cleaning																E
5A	9094-M-5A-005	Pre-cleaning			A							C						
5A	9094-M-5A-006	Pre-cleaning			A							C						
5A	9094-M-5A-007	Pre-cleaning			A							C						
5A	9094-M-5A-008	Pre-cleaning			A							C						
5A	9094-M-5A-009	Pre-cleaning			A							C						
5A	9094-M-5A-010	Pre-cleaning			A							C						
5A	9094-M-5A-011	Pre-cleaning			A							C						
5A	9094-W-5A-001	Pre-cleaning	A															
5A	9094-W-5A-002	Pre-cleaning	A			C		A		C					C		A	
5A	9094-W-5A-003	Pre-cleaning	A			C		A		E					C		A	
5A	9094-W-5A-004	Pre-cleaning	A			C		A		E					C		A	
5A	9094-W-5A-031	Post-recleaning								X								
5A	9094-W-5A-032	Post-recleaning								X								
5A	9094-W-5A-033	Post-recleaning								X								
5A	9094-A-5A-012	Post-cleaning		C										C				
5A	9094-A-5A-013	Post-cleaning		C										C				
5A	9094-A-5A-014	Post-cleaning		C										C				
5A	9094-A-5A-015	Post-cleaning									C							
5A	9094-A-5A-016	Post-cleaning									C							
5A	9094-A-5A-017	Post-cleaning																E
5A	9094-A-5A-018	Post-cleaning																E
5A	9094-M-5A-024	Post-cleaning			A							C						
5A	9094-M-5A-025	Post-cleaning			A							C						
5A	9094-M-5A-026	Post-cleaning			A							C						
5A	9094-M-5A-027	Post-cleaning			A							C						
5A	9094-M-5A-028	Post-cleaning			A							C						
5A	9094-M-5A-029	Post-cleaning			A							C						
5A	9094-M-5A-030	Post-cleaning			A							C						
5A	9094-W-5A-019	Post-cleaning	A					A										
5A	9094-W-5A-020	Post-cleaning	A			C		A		C					C		A	
5A	9094-W-5A-021	Post-cleaning	A			C		A		E					C		A	
5A	9094-W-5A-022	Post-cleaning	A			C		A		C					C		A	
5A	9094-W-5A-023	Post-cleaning	A			C		A		E					C		A	

Pilot Cleaning Sample Log

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Unit	Sample ID	Cleaning Type (Pre- or Post-cleaning)	Compound																	
			Asbestos			Dioxin		Fibrous Glass		Lead			MMVF		PAHs		Silica	
			Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
5A	9094-A-5A-034																	E
5A	9094-A-5A-035																	E
5A	9094-W-5A-031									C								
5A	9094-W-5A-032									C								
5A	9094-W-5A-033									C								
5C	9094-A-5C-031	Third-cleaning		C										C				
5C	9094-A-5C-032	Third-cleaning		C										C				
5C	9094-A-5C-033	Third-cleaning		E														
5C	9094-A-5C-034	Third-cleaning		E														
5C	9094-B-5C-008	Pre-cleaning	BULK DUST - ANALYZED FOR Ph															
5C	9094-M-5C-005	Pre-cleaning			A							E						
5C	9094-M-5C-006	Pre-cleaning			A							E						
5C	9094-M-5C-007	Pre-cleaning			A							E						
5C	9094-W-5C-001	Pre-cleaning	A															
5C	9094-W-5C-002	Pre-cleaning	A			C		A		C					C		A	
5C	9094-W-5C-003	Pre-cleaning	A			C		A		E					C		A	
5C	9094-W-5C-004	Pre-cleaning	A			C		A		E					C		A	
5C	9094-A-5C-024	Post-recleaning		N										C				
5C	9094-A-5C-025	Post-recleaning		N										E				
5C	9094-A-5C-026	Post-recleaning		N										C				
5C	9094-A-5C-027	Post-recleaning		N										C				
5C	9094-A-5C-028	Post-recleaning		N										C				
5C	9094-W-5C-029	Post-recleaning									X							
5C	9094-W-5C-030	Post-recleaning									X							
5C	9094-A-5C-009	Post-cleaning		N										E				
5C	9094-A-5C-010	Post-cleaning		N										E				
5C	9094-A-5C-011	Post-cleaning		N										C				
5C	9094-A-5C-012	Post-cleaning									C							
5C	9094-A-5C-013	Post-cleaning									C							
5C	9094-A-5C-014	Post-cleaning																E
5C	9094-A-5C-015	Post-cleaning																E
5C	9094-M-5C-021	Post-cleaning			A							C						
5C	9094-M-5C-022	Post-cleaning			A							C						
5C	9094-M-5C-023	Post-cleaning			A							C						
5C	9094-W-5C-016	Post-cleaning	A					A										
5C	9094-W-5C-017	Post-cleaning	A			C		A		N					C		A	
5C	9094-W-5C-018	Post-cleaning	A			C		A		C					C		A	
5C	9094-W-5C-019	Post-cleaning	A			C		A		C					C		A	
5C	9094-W-5C-020	Post-cleaning	A			C		A		C					C		A	
5C	9094-A-5C-029										C							
5C	9094-A-5C-030										C							
5D	9094-M-5D-006	Pre-cleaning			X							E						
5D	9094-M-5D-007	Pre-cleaning			X							E						
5D	9094-W-5D-001	Pre-cleaning	A															
5D	9094-W-5D-002	Pre-cleaning	A			C		A		C					C		A	
5D	9094-W-5D-003	Pre-cleaning	A			C		A		C					C		A	
5D	9094-W-5D-004	Pre-cleaning	A			C		A		E	C				C		A	
5D	9094-W-5D-005	Pre-cleaning	A			C		A		E					C		A	
5D	9094-A-5D-008	Post-cleaning		C										C				
5D	9094-A-5D-009	Post-cleaning		C										C				
5D	9094-A-5D-010	Post-cleaning		C										C				
5D	9094-A-5D-011	Post-cleaning									X							
5D	9094-A-5D-012	Post-cleaning									X							
5D	9094-A-5D-013	Post-cleaning																X
5D	9094-A-5D-014	Post-cleaning																X
5D	9094-M-5D-020	Post-cleaning			A							X						
5D	9094-M-5D-021	Post-cleaning			A							X						
5D	9094-W-5D-015	Post-cleaning	A					A										
5D	9094-W-5D-016	Post-cleaning	A			C		A		X					C		X	
5D	9094-W-5D-017	Post-cleaning	A			C		A		X					C		X	
5D	9094-W-5D-018	Post-cleaning	A			C		A		X					C		X	
5D	9094-W-5D-019	Post-cleaning	A			C		A		X					C		X	
5th Floor Hallway	9094-A-5TH-003	Post-recleaning		X														
5th Floor Hallway	9094-A-5TH-005	Post-recleaning		X														
5th Floor Hallway	9094-A-5TH-001	Post-cleaning		X										C				
5th Floor Hallway	9094-A-5TH-002	Post-cleaning		X										C				
5th Floor Hallway	9094-A-5TH-003	Post-cleaning									C							
5th Floor Hallway	9094-A-5TH-004	Post-cleaning																E

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NYC-WTC_000148615

NYC-WTC_000148616

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Pilot Cleaning Sample Log

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Unit	Sample ID	Cleaning Type (Pre- or Post-cleaning)	Asbestos			Dioxin		Fibrous Glass		Compound Lead			MMVF		PAHs		Silica	
			Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
Barber Shop	9094-A-BS-005	Post-water wipe		C										C				
Barber Shop	9094-A-BS-006	Post-water wipe		C										C				
Barber Shop	9094-A-BS-007	Post-water wipe		C										C				
Barber Shop	9094-A-BS-008	Post-water wipe									X							
Barber Shop	9094-A-BS-009	Post-water wipe									X							
Barber Shop	9094-W-BS-001	Post-cleaning				C				X					X			
Barber Shop	9094-W-BS-002	Post-cleaning				C				X					X			
Barber Shop	9094-W-BS-003	Post-cleaning				C				X					X			
Barber Shop	9094-W-BS-004	Post-cleaning				C				X					X			
Barber Shop	9094-W-BS-010	Post-water wipe				C				X					C			
Barber Shop	9094-W-BS-011	Post-water wipe				C				X					C			
Barber Shop	9094-W-BS-012	Post-water wipe				C				X					C			
Barber Shop	9094-W-BS-013	Post-water wipe				C				X					C			
Cedar Staircase	9094-A-CS3-001	Post-cleaning		X										X				
Cedar Staircase	9094-A-CS3-002	Post-cleaning									X							
Cedar Staircase	9094-A-CS3-003	Post-cleaning																X
Cedar Staircase	9094-A-CS5-001	Post-cleaning		X										X				
Cedar Staircase	9094-A-CS5-002	Post-cleaning									X							
Cedar Staircase	9094-A-CS5-003	Post-cleaning																X
Chiropractor	9094-W-CHR-055	Pre-water wipe				X									X			
Chiropractor	9094-A-CHR-010	Pre-cleaning		C										C				
Chiropractor	9094-A-CHR-011	Pre-cleaning		C										C				
Chiropractor	9094-A-CHR-012	Pre-cleaning					C									C		
Chiropractor	9094-A-CHR-013	Pre-cleaning														C		
Chiropractor	9094-A-CHR-014	Pre-cleaning		N										C				
Chiropractor	9094-M-CHR-006	Pre-cleaning			A							E						
Chiropractor	9094-M-CHR-007	Pre-cleaning			A							C						
Chiropractor	9094-M-CHR-008	Pre-cleaning			A							E						
Chiropractor	9094-M-CHR-009	Pre-cleaning			A							E						
Chiropractor	9094-W-CHR-001	Pre-cleaning	A															
Chiropractor	9094-W-CHR-002	Pre-cleaning	A			C		A		E					C		A	
Chiropractor	9094-W-CHR-003	Pre-cleaning	A			C		A		E					C		A	
Chiropractor	9094-W-CHR-004	Pre-cleaning	A			C		A		E					C		A	
Chiropractor	9094-W-CHR-005	Pre-cleaning	A			C		A		E					C		A	
Chiropractor	9094-A-CHR-030	Post-wet wiping		X										X				
Chiropractor	9094-A-CHR-031	Post-wet wiping		X										X				
Chiropractor	9094-A-CHR-032	Post-wet wiping		X										X				
Chiropractor	9094-A-CHR-033	Post-wet wiping									C							
Chiropractor	9094-A-CHR-034	Post-wet wiping									C							
Chiropractor	9094-A-CHR-035	Post-wet wiping																E
Chiropractor	9094-A-CHR-036	Post-wet wiping																E
Chiropractor	9094-W-CHR-037	Post-wet wiping	X															
Chiropractor	9094-W-CHR-038	Post-wet wiping	X			C		X		C					C		A	
Chiropractor	9094-W-CHR-039	Post-wet wiping	X			C		X		E					C		A	
Chiropractor	9094-W-CHR-040	Post-wet wiping	X			C		X		E					C		A	
Chiropractor	9094-W-CHR-041	Post-wet wiping	X			C		X		C					C		A	
Chiropractor	9094-A-CHR-042	Post-wet vacuum		N										C				
Chiropractor	9094-A-CHR-043	Post-wet vacuum		E										C				
Chiropractor	9094-A-CHR-044	Post-wet vacuum		N										C				
Chiropractor	9094-A-CHR-045	Post-wet vacuum		C										C				
Chiropractor	9094-A-CHR-046	Post-wet vacuum		N										C				
Chiropractor	9094-A-CHR-047	Post-wet vacuum									E							
Chiropractor	9094-A-CHR-048	Post-wet vacuum									E							
Chiropractor	9094-A-CHR-049	Post-wet vacuum																E
Chiropractor	9094-A-CHR-050	Post-wet vacuum																E
Chiropractor	9094-M-CHR-051	Post-wet vacuum			A							C						
Chiropractor	9094-M-CHR-052	Post-wet vacuum			A							C						
Chiropractor	9094-M-CHR-053	Post-wet vacuum			A							C						
Chiropractor	9094-M-CHR-054	Post-wet vacuum			A							C						
Chiropractor	9094-A-CHR-056	Post-water wipe		C										C				
Chiropractor	9094-A-CHR-057	Post-water wipe		C										C				
Chiropractor	9094-A-CHR-058	Post-water wipe		C										C				
Chiropractor	9094-A-CHR-059	Post-water wipe									X							
Chiropractor	9094-A-CHR-060	Post-water wipe									X							
Chiropractor	9094-W-CHR-061	Post-water wipe				C				X					C			
Chiropractor	9094-W-CHR-062	Post-water wipe				C				X					C			
Chiropractor	9094-W-CHR-063	Post-water wipe				C				X					C			
Chiropractor	9094-A-CHR-015	Post-cleaning		N										C				

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Unit	Sample ID	Cleaning Type (Pre- or Post-cleaning)	Asbestos			Dioxin		Fibrous Glass		Compound Lead			MMVF		PAHs		Silica	
			Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
Chiropractor	9094-A-CHR-016	Post-cleaning		N										C				
Chiropractor	9094-A-CHR-017	Post-cleaning									C							
Chiropractor	9094-A-CHR-018	Post-cleaning									C							
Chiropractor	9094-A-CHR-019	Post-cleaning																E
Chiropractor	9094-A-CHR-020	Post-cleaning																E
Chiropractor	9094-M-CHR-026	Post-cleaning			A							C						
Chiropractor	9094-M-CHR-027	Post-cleaning			A							C						
Chiropractor	9094-M-CHR-028	Post-cleaning			A							C						
Chiropractor	9094-M-CHR-029	Post-cleaning			A							C						
Chiropractor	9094-W-CHR-021	Post-cleaning	A					A										
Chiropractor	9094-W-CHR-022	Post-cleaning	A			C		A		C					C		A	
Chiropractor	9094-W-CHR-023	Post-cleaning	A			C		A		E					C		A	
Chiropractor	9094-W-CHR-024	Post-cleaning	A			C		A		E					C		A	
Chiropractor	9094-W-CHR-025	Post-cleaning	A			C		A		C					C		A	
Chiropractor	9094-W-CHR-061					C												
Chiropractor	9094-W-CHR-062					C												
Chiropractor	9094-W-CHR-063					C												
Elevator Shaft	9094-A-ELV-001	Post-cleaning		C										C				
Elevator Shaft	9094-A-ELV-002	Post-cleaning		C										C				
Elevator Shaft	9094-A-ELV-003	Post-cleaning									X							
Elevator Shaft	9094-A-ELV-004	Post-cleaning									X							
Elevator Shaft	9094-A-ELV-005	Post-cleaning		C										C				
Food Exchange	9094-W-FE-001	Pre-cleaning	X					X		E							A	
Food Exchange	9094-A-FE-002	Post-cleaning		C										C				
Food Exchange	9094-A-FE-003	Post-cleaning		C										C				
Food Exchange	9094-A-FE-004	Post-cleaning		C										C				
Food Exchange	9094-A-FE-005	Post-cleaning		C										C				
Food Exchange	9094-A-FE-006	Post-cleaning									X							
Food Exchange	9094-A-FE-007	Post-cleaning									X							
Food Exchange	9094-A-FE-018	HVAC System		X										X				
Food Exchange	9094-A-FE-019	HVAC System		X										X				
Food Exchange	9094-A-FE-020	HVAC System		X										X				
Food Exchange	9094-A-FE-021	HVAC System									X							
Food Exchange	9094-A-FE-022	HVAC System									X							
Food Exchange	9094-A-FE-023	HVAC System																X
Food Exchange	9094-M-FE-017	HVAC System																
Food Exchange	9094-W-FE-015	HVAC System	A					A		X							X	
Food Exchange	9094-W-FE-016	HVAC System	A					A		X							X	
Food Exchange Basement	9094-A-FE-008	Post-cleaning		X										X				
Food Exchange Basement	9094-A-FE-009	Post-cleaning		X										X				
Food Exchange Basement	9094-A-FE-010	Post-cleaning		X										X				
Food Exchange Basement	9094-A-FE-011	Post-cleaning		X										X				
Food Exchange Basement	9094-A-FE-012	Post-cleaning									C							
Food Exchange Basement	9094-A-FE-013	Post-cleaning									C							
Food Exchange Basement	9094-A-FE-014	Post-cleaning									C							
Lemon Grill	9094-A-LG-023	HVAC System		X										X				
Lemon Grill	9094-A-LG-024	HVAC System		X										X				
Lemon Grill	9094-A-LG-025	HVAC System		X										X				
Lemon Grill	9094-A-LG-026	HVAC System		X										X				
Lemon Grill	9094-A-LG-027	HVAC System									X							
Lemon Grill	9094-A-LG-028	HVAC System									X							
Lemon Grill	9094-A-LG-029	HVAC System									X							
Lemon Grill	9094-A-LG-030	HVAC System																X
Lemon Grill	9094-W-LG-020	HVAC System	A					A		X							X	
Lemon Grill	9094-W-LG-021	HVAC System	A					A		X							X	
Lemon Grill	9094-W-LG-022	HVAC System																
Lemongrass Grill	9094-W-LG-009	Pre-cleaning	X					X		E							A	
Lemongrass Grill	9094-A-LG-010	Post-recleaning		X														
Lemongrass Grill	9094-A-LG-011	Post-recleaning		X														
Lemongrass Grill	9094-A-LG-012	Post-recleaning		X														
Lemongrass Grill	9094-A-LG-013	Post-recleaning		X														
Lemongrass Grill	9094-A-LG-014	Post-recleaning		C														
Lemongrass Grill	9094-A-LG-015	Post-recleaning		C														
Lemongrass Grill	9094-A-LG-016	Post-recleaning		C														
Lemongrass Grill	9094-A-LG-017	Post-recleaning	Not submitted															
Lemongrass Grill	9094-A-LG-001	Post-cleaning		N										C				
Lemongrass Grill	9094-A-LG-002	Post-cleaning		N										C				
Lemongrass Grill	9094-A-LG-003	Post-cleaning		N										C				

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Pilot Cleaning Sample Log

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Unit	Sample ID	Cleaning Type (Pre- or Post-cleaning)	Asbestos			Dioxin		Fibrous Glass		Compound			MMVF		PAHs		Silica	
			Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Lead Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
Lemongrass Grill	9094-A-LG-004	Post-cleaning		N										C				
Lemongrass Grill	9094-A-LG-005	Post-cleaning		N										C				
Lemongrass Grill	9094-A-LG-006	Post-cleaning									C							
Lemongrass Grill	9094-A-LG-007	Post-cleaning									C							
Lemongrass Grill	9094-A-LG-008	Post-cleaning									C							
Lemongrass Grill	9094-A-LG-010			C														
Lemongrass Grill	9094-A-LG-011			C														
Lemongrass Grill	9094-A-LG-012			C														
Lemongrass Grill	9094-A-LG-013			C														
Lemongrass Grill Basement	9091-A-LG-019	Post-cleaning									C							
Lemongrass Grill Basement	9094-A-LG-018	Post-cleaning		X										X				
Liberty Staircase	9094-A-LS3-001	Post-cleaning		X										X				
Liberty Staircase	9094-A-LS3-002	Post-cleaning									X							
Liberty Staircase	9094-A-LS3-003	Post-cleaning																X
Liberty Staircase	9094-A-LS5-001	Post-cleaning		X										X				
Liberty Staircase	9094-A-LS5-002	Post-cleaning									X							
Liberty Staircase	9094-A-LS5-003	Post-cleaning																X
Mattress	9094-W-MAT-065	Pre-water wipe				X				C					X			
Mattress	9094-W-MAT-066	Pre-water wipe				X				E					X			
Mattress	9094-A-MAT-006	Pre-cleaning																
Mattress	9094-A-MAT-012	Pre-cleaning		C										C				
Mattress	9094-A-MAT-013	Pre-cleaning		N										C				
Mattress	9094-A-MAT-014	Pre-cleaning		C										C				
Mattress	9094-A-MAT-015	Pre-cleaning		C										C				
Mattress	9094-A-MAT-016	Pre-cleaning				C										C		
Mattress	9094-A-MAT-017	Pre-cleaning				C												
Mattress	9094-M-MAT-005	Pre-cleaning			A							C						
Mattress	9094-M-MAT-006	Pre-cleaning			A							C						
Mattress	9094-M-MAT-007	Pre-cleaning			A							C						
Mattress	9094-M-MAT-008	Pre-cleaning			A							C						
Mattress	9094-M-MAT-009	Pre-cleaning			A							C						
Mattress	9094-M-MAT-010	Pre-cleaning			A							C						
Mattress	9094-M-MAT-011	Pre-cleaning			A							C						
Mattress	9094-W-MAT-002	Pre-cleaning	A			C		A		C					C		A	
Mattress	9094-W-MAT-003	Pre-cleaning	A			C		A		E					C		A	
Mattress	9094-W-MAT-004	Pre-cleaning	A			C		A		E					C		A	
Mattress	9094-A-MAT-037	Post-wet wiping		N										C				
Mattress	9094-A-MAT-038	Post-wet wiping		N										C				
Mattress	9094-A-MAT-039	Post-wet wiping		N										C				
Mattress	9094-A-MAT-040	Post-wet wiping									C							
Mattress	9094-A-MAT-041	Post-wet wiping									C							
Mattress	9094-A-MAT-042	Post-wet wiping																E
Mattress	9094-A-MAT-043	Post-wet wiping																E
Mattress	9094-W-MAT-044	Post-wet wiping																
Mattress	9094-W-MAT-045	Post-wet wiping	A			C		A		C					C		A	
Mattress	9094-W-MAT-046	Post-wet wiping	A			C		A		C					C		A	
Mattress	9094-W-MAT-047	Post-wet wiping	A			C		A		E					C		A	
Mattress	9094-W-MAT-048	Post-wet wiping	A			C		A		E					C		A	
Mattress	9094-A-MAT-049	Post-wet vacuum		X										X				
Mattress	9094-A-MAT-050	Post-wet vacuum		X										X				
Mattress	9094-A-MAT-051	Post-wet vacuum		X										X				
Mattress	9094-A-MAT-052	Post-wet vacuum		X										X				
Mattress	9094-A-MAT-053	Post-wet vacuum		X										X				
Mattress	9094-A-MAT-054	Post-wet vacuum									C							
Mattress	9094-A-MAT-055	Post-wet vacuum									C							
Mattress	9094-A-MAT-056	Post-wet vacuum																E
Mattress	9094-A-MAT-057	Post-wet vacuum																E
Mattress	9094-M-MAT-058	Post-wet vacuum			X							C						
Mattress	9094-M-MAT-059	Post-wet vacuum			X							C						
Mattress	9094-M-MAT-060	Post-wet vacuum			X							C						
Mattress	9094-M-MAT-061	Post-wet vacuum			X							C						
Mattress	9094-M-MAT-062	Post-wet vacuum			X							C						
Mattress	9094-M-MAT-063	Post-wet vacuum			X							C						
Mattress	9094-M-MAT-064	Post-wet vacuum			X							C						
Mattress	9094-A-MAT-067	Post-water wipe		C										C				
Mattress	9094-A-MAT-068	Post-water wipe		C										C				
Mattress	9094-A-MAT-069	Post-water wipe									X							
Mattress	9094-A-MAT-070	Post-water wipe									X							

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Unit	Sample ID	Cleaning Type (Pre- or Post-cleaning)	Compound																
			Asbestos			Dioxin		Fibrous Glass		Lead			MMVF		PAHs		Silica	
			Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air	Microvac	Wipe	Air	Wipe	Air	Wipe	Air
Mattress	9094-A-MAT-071	Post-water wipe		C										C				
Mattress	9094-W-MAT-072	Post-water wipe				C				X					C			
Mattress	9094-W-MAT-073	Post-water wipe				C				X					C			
Mattress	9094-W-MAT-074	Post-water wipe								X								
Mattress	9094-A-MAT-018	Post-cleaning	X	N										C				
Mattress	9094-A-MAT-019	Post-cleaning	X	N										C				
Mattress	9094-A-MAT-020	Post-cleaning	X	C										C				
Mattress	9094-A-MAT-021	Post-cleaning									C							
Mattress	9094-A-MAT-022	Post-cleaning									C							
Mattress	9094-A-MAT-023	Post-cleaning																E
Mattress	9094-A-MAT-024	Post-cleaning																E
Mattress	9094-M-MAT-030	Post-cleaning			A							C						
Mattress	9094-M-MAT-031	Post-cleaning			A							C						
Mattress	9094-M-MAT-032	Post-cleaning			A							C						
Mattress	9094-M-MAT-033	Post-cleaning			A							C						
Mattress	9094-M-MAT-034	Post-cleaning			A							C						
Mattress	9094-M-MAT-035	Post-cleaning			A							C						
Mattress	9094-M-MAT-036	Post-cleaning			A							C						
Mattress	9094-W-MAT-025	Post-cleaning																
Mattress	9094-W-MAT-026	Post-cleaning	A			C		A		C					C		A	
Mattress	9094-W-MAT-027	Post-cleaning	A			C		A		C					C		A	
Mattress	9094-W-MAT-028	Post-cleaning	A			C		A		E					C		N	
Mattress	9094-W-MAT-029	Post-cleaning	A			C		A		F					C		A	
Mattress	9094-W-MAT-001	NC																
Mattress	9094-W-MAT-073					C												

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