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:
NYCDEP-Emergency Response & Tech Assmt.
96-05 Horace Harding Expressway
Corona , NY 11368
(718) 595-4650

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

LAB#: 01110052

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
11/4/01 5:50 PM	11/4/01 11:55:00 PM	11/9/01	11/9/01

SAMPLE ID#: 01110052-001 **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	11/5/01
Chloromethane	0.72	ppb v/v	0.1037	USEPA TO-15	11/5/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	11/5/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	11/5/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	11/5/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	11/5/01
Trichlorofluoromethane	0.19	ppb v/v	0.1839	USEPA TO-15	11/5/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	11/5/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	11/5/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	11/5/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	11/5/01
Methyl-tert-butyl ether	2.70	ppb v/v	0.128	USEPA TO-15	11/5/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	11/5/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	11/5/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	11/5/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	11/5/01
Benzene	0.75	ppb v/v	0.1201	USEPA TO-15	11/5/01
Carbon Tetrachloride	0.13	ppb v/v	0.0922	USEPA TO-15	11/5/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	11/5/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	11/5/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	11/5/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	11/5/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL
NR=NON REPORTABLE RESULTS

NYS ELAP #10224
MWBE #46075

CITY_21MC100_011107683

NYC-WTC_000182462

NYC 9/11 Public Portal Document

Prepared Exclusively For:	PEDNEAULT ASSOCIATES, INC.
NYCDEP-Emergency Response & Tech Assmt.	1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
96-05 Horace Harding Expressway	LAB#: 01110052
Corona , NY 11368	PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling
(718) 595-4650	MATRIX: AIR\GAS

1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
Toluene	2.15	ppb v/v	0.0735	USEPA TO-15	11/5/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	11/5/01
Tetrachloroethene	0.10	ppb v/v	0.0845	USEPA TO-15	11/5/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	11/5/01
Ethylbenzene	0.25	ppb v/v	0.0744	USEPA TO-15	11/5/01
m,p-Xylene	0.83	ppb v/v	0.1785	USEPA TO-15	11/5/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	11/5/01
o-Xylene	0.29	ppb v/v	0.0111	USEPA TO-15	11/5/01
1,3,5-Trimethylbenzene	0.09	ppb v/v	0.0757	USEPA TO-15	11/5/01
1,2,4-Trimethylbenzene	0.36	ppb v/v	0.1511	USEPA TO-15	11/5/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	11/5/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	11/5/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	11/5/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	11/5/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	11/5/01
Tentatively Identified Compounds				USEPA TO-15	11/5/01
2-Methyl butane	1.29	ppb v/v		USEPA TO-15	11/5/01
Isobutane	0.93	ppb v/v		USEPA TO-15	11/5/01

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NYCDEP-Emergency Response & Tech Assmt.	1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
96-05 Horace Harding Expressway	**LAB#: 01110052**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER- 5 Boro Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
11/4/01 6:25 PM	11/4/01 11:55:00 PM	11/9/01	11/9/01

SAMPLE ID#: 01110052-002 **SAMPLE ORIGIN** 138th St. & 3rd AVENUE, BRONX

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.59	ppb v/v	0.123	USEPA TO-15	11/5/01
Chloromethane	0.63	ppb v/v	0.1037	USEPA TO-15	11/5/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	11/5/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	11/5/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	11/5/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	11/5/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	11/5/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	11/5/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	11/5/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	11/5/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	11/5/01
Methyl-tert-butyl ether	2.08	ppb v/v	0.128	USEPA TO-15	11/5/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	11/5/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	11/5/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	11/5/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	11/5/01
Benzene	0.76	ppb v/v	0.1201	USEPA TO-15	11/5/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	11/5/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	11/5/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	11/5/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	11/5/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	11/5/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
Toluene	2.04	ppb v/v	0.0735	USEPA TO-15	11/5/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	11/5/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	11/5/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	11/5/01
Ethylbenzene	0.25	ppb v/v	0.0744	USEPA TO-15	11/5/01

John Pedneault
Lab Director

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NR=NON REPORTABLE RESULTS

NYS ELAP #10224
MWBE #46075

NYC-WTC_000182464

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Corona , NY 11368
(718) 595-4650

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

LAB#: 01110052

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

m,p-Xylene	0.80	ppb v/v	0.1785	USEPA TO-15	11/5/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	11/5/01
o-Xylene	0.26	ppb v/v	0.0111	USEPA TO-15	11/5/01
1,3,5-Trimethylbenzene	0.08	ppb v/v	0.0757	USEPA TO-15	11/5/01
1,2,4-Trimethylbenzene	0.31	ppb v/v	0.1511	USEPA TO-15	11/5/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	11/5/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	11/5/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	11/5/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	11/5/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	11/5/01

John Pedneault
Lab Director

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

LAB#: 01110052

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
11/4/01 7:05 PM	11/4/01 11:55:00 PM	11/9/01	11/9/01

SAMPLE ID#: 01110052-003 **SAMPLE ORIGIN** CENTRAL PARK N. & LENOX , MANHATTAN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.50	ppb v/v	0.123	USEPA TO-15	11/5/01
Chloromethane	0.51	ppb v/v	0.1037	USEPA TO-15	11/5/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	11/5/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	11/5/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	11/5/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	11/5/01
Trichlorofluoromethane	0.22	ppb v/v	0.1839	USEPA TO-15	11/5/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	11/5/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	11/5/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	11/5/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	11/5/01
Methyl-tert-butyl ether	1.93	ppb v/v	0.128	USEPA TO-15	11/5/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	11/5/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	11/5/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	11/5/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	11/5/01
Benzene	0.46	ppb v/v	0.1201	USEPA TO-15	11/5/01
Carbon Tetrachloride	0.10	ppb v/v	0.0922	USEPA TO-15	11/5/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	11/5/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	11/5/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	11/5/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	11/5/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
Toluene	1.42	ppb v/v	0.0735	USEPA TO-15	11/5/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	11/5/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	11/5/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	11/5/01
Ethylbenzene	0.19	ppb v/v	0.0744	USEPA TO-15	11/5/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

NYC-WTC_000182466

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NYCDEP-Emergency Response & Tech Assmt.	1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
96-05 Horace Harding Expressway	LAB#: 01110052
Corona , NY 11368	PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling
(718) 595-4650	MATRIX: AIR\GAS

m,p-Xylene	0.66	ppb v/v	0.1785	USEPA TO-15	11/5/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	11/5/01
o-Xylene	0.22	ppb v/v	0.0111	USEPA TO-15	11/5/01
1,3,5-Trimethylbenzene	0.08	ppb v/v	0.0757	USEPA TO-15	11/5/01
1,2,4-Trimethylbenzene	0.29	ppb v/v	0.1511	USEPA TO-15	11/5/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	11/5/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	11/5/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	11/5/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	11/5/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	11/5/01

NYC 9/11 Public Portal Document

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

LAB#: 01110052

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
11/4/01 8:20 PM	11/4/01 11:55:00 PM	11/9/01	11/9/01

SAMPLE ID#: 01110052-004 **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	11/5/01
Chloromethane	0.66	ppb v/v	0.1037	USEPA TO-15	11/5/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	11/5/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	11/5/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	11/5/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	11/5/01
Trichlorofluoromethane	0.25	ppb v/v	0.1839	USEPA TO-15	11/5/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	11/5/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	11/5/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	11/5/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	11/5/01
Methyl-tert-butyl ether	0.57	ppb v/v	0.128	USEPA TO-15	11/5/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1763	USEPA TO-15	11/5/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	11/5/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	11/5/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	11/5/01
Benzene	0.32	ppb v/v	0.1201	USEPA TO-15	11/5/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	11/5/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	11/5/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	11/5/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	11/5/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	11/5/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
Toluene	1.02	ppb v/v	0.0735	USEPA TO-15	11/5/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	11/5/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	11/5/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	11/5/01
Ethylbenzene	0.09	ppb v/v	0.0744	USEPA TO-15	11/5/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL
NR=NON REPORTABLE RESULTS

NYS ELAP #10224
MWBE #46075

CITY_21MC100_011107689

NYC-WTC_000182468

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NYCDEP-Emergency Response & Tech Assmt.
96-05 Horace Harding Expressway
Corona , NY 11368
(718) 595-4650

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

LAB#: 01110052

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

m,p-Xylene	0.27	ppb v/v	0.1785	USEPA TO-15	11/5/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	11/5/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	11/5/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	11/5/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	11/5/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	11/5/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	11/5/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	11/5/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	11/5/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	11/5/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

NYC-WTC_000182469

NYC 9/11 Public Portal Document

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(718) 595-4650

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

LAB#: 01110052

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
11/4/01 9:00 PM	11/4/01 11:55:00 PM	11/9/01	11/9/01

SAMPLE ID#: 01110052-005 **SAMPLE ORIGIN** ATLANTIC AVE. & SMITH ST., BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.52	ppb v/v	0.123	USEPA TO-15	11/5/01
Chloromethane	0.60	ppb v/v	0.1037	USEPA TO-15	11/5/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	11/5/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	11/5/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	11/5/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	11/5/01
Trichlorofluoromethane	0.24	ppb v/v	0.1839	USEPA TO-15	11/5/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	11/5/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	11/5/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	11/5/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	11/5/01
Methyl-tert-butyl ether	0.72	ppb v/v	0.128	USEPA TO-15	11/5/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	11/5/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	11/5/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	11/5/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	11/5/01
Benzene	0.44	ppb v/v	0.1201	USEPA TO-15	11/5/01
Carbon Tetrachloride	0.10	ppb v/v	0.0922	USEPA TO-15	11/5/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	11/5/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	11/5/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	11/5/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	11/5/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
Toluene	1.06	ppb v/v	0.0735	USEPA TO-15	11/5/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	11/5/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	11/5/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	11/5/01
Ethylbenzene	0.11	ppb v/v	0.0744	USEPA TO-15	11/5/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL
NR=NON REPORTABLE RESULTS

NYS ELAP #10224
MWBE #46075

CITY_21MC100_011107691

NYC-WTC_000182470

NYC 9/11 Public Portal Document

Prepared Exclusively For:	PEDNEAULT ASSOCIATES, INC.
NYCDEP-Emergency Response & Tech Assmt.	1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
96-05 Horace Harding Expressway	LAB#: 01110052
Corona , NY 11368	PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling
(718) 595-4650	MATRIX: AIR\GAS

m,p-Xylene	0.37	ppb v/v	0.1785	USEPA TO-15	11/5/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	11/5/01
o-Xylene	0.12	ppb v/v	0.0111	USEPA TO-15	11/5/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	11/5/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	11/5/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	11/5/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	11/5/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	11/5/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	11/5/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	11/5/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL
NR=NON REPORTABLE RESULTS

NYS ELAP #10224
MWBE #46075

CITY_21MC100_011107692

NYC-WTC_000182471

NYC 9/11 Public Portal Document

Prepared Exclusively For:
NYCDEP-Emergency Response & Tech Assmt.
96-05 Horace Harding Expressway
Corona , NY 11368
(718) 595-4650

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

LAB#: 01110052

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
11/4/01 9:40 PM	11/4/01 11:55:00 PM	11/9/01	11/9/01

SAMPLE ID#: 01110052-006 **SAMPLE ORIGIN** BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.53	ppb v/v	0.123	USEPA TO-15	11/5/01
Chloromethane	0.58	ppb v/v	0.1037	USEPA TO-15	11/5/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2686	USEPA TO-15	11/5/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	11/5/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	11/5/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	11/5/01
Trichlorofluoromethane	0.24	ppb v/v	0.1839	USEPA TO-15	11/5/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	11/5/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	11/5/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	11/5/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	11/5/01
Methyl-tert-butyl ether	0.31	ppb v/v	0.128	USEPA TO-15	11/5/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	11/5/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	11/5/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	11/5/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	11/5/01
Benzene	0.24	ppb v/v	0.1201	USEPA TO-15	11/5/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	11/5/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	11/5/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	11/5/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	11/5/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	11/5/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
Toluene	0.38	ppb v/v	0.0735	USEPA TO-15	11/5/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	11/5/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	11/5/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	11/5/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	11/5/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL
NR=NON REPORTABLE RESULTS

NYS ELAP #10224
MWBE #46075

CITY_21MC100_011107693

NYC-WTC_000182472

NYC 9/11 Public Portal Document

Prepared Exclusively For:
NYCDEP-Emergency Response & Tech Assmt.
96-05 Horace Harding Expressway
Corona , NY 11368
(718) 595-4650

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

LAB#: 01110052

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	11/5/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	11/5/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	11/5/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	11/5/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	11/5/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	11/5/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	11/5/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	11/5/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	11/5/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	11/5/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	11/5/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL
NR=NON REPORTABLE RESULTS

NYS ELAP #10224
MWBE #46075

NYC-WTC_000182473

NYC 9/11 Public Portal Document

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NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB#: 01110052**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER- 5 Boro Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
11/4/01 9:40 PM	11/4/01 11:55:00 PM	11/9/01	11/9/01

SAMPLE ID#: 01110052-007 **SAMPLE ORIGIN** DUP/BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.56	ppb v/v	0.123	USEPA TO-15	11/6/01
Chloromethane	0.69	ppb v/v	0.1037	USEPA TO-15	11/6/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	11/6/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	11/6/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	11/6/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	11/6/01
Trichlorofluoromethane	0.28	ppb v/v	0.1839	USEPA TO-15	11/6/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	11/6/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	11/6/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	11/6/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	11/6/01
Methyl-tert-butyl ether	0.33	ppb v/v	0.128	USEPA TO-15	11/6/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	11/6/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	11/6/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	11/6/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	11/6/01
Benzene	0.24	ppb v/v	0.1201	USEPA TO-15	11/6/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	11/6/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	11/6/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	11/6/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	11/6/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	11/6/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	11/6/01
Toluene	0.38	ppb v/v	0.0735	USEPA TO-15	11/6/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	11/6/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	11/6/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	11/6/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	11/6/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL
NR=NON REPORTABLE RESULTS

NYS ELAP #10224
MWBE #46075

NYC-WTC_000182474

NYC 9/11 Public Portal Document

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NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB#: 01110052**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER- 5 Boro Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	11/6/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	11/6/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	11/6/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	11/6/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	11/6/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	11/6/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	11/6/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	11/6/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	11/6/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	11/6/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	11/6/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL
NR=NON REPORTABLE RESULTS

NYS ELAP #10224
MWBE #46075

NYC-WTC_000182475

NYC 9/11 Public Portal Document

Prepared Exclusively For:
NYCDEP-Emergency Response & Tech Assmt.
96-05 Horace Harding Expressway
Corona , NY 11368
(718) 595-4650

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

LAB#: 01110052

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
11/4/01 4:00 PM	11/4/01 11:55:00 PM	11/9/01	11/9/01

SAMPLE ID#: 01110052-008 **SAMPLE ORIGIN** TRIP BLANKS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	ND	ppb v/v	0.123	USEPA TO-15	11/6/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	11/6/01
1,2-Dichlorotetrafluoromethane	ND	ppb v/v	0.2886	USEPA TO-15	11/6/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	11/6/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	11/6/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	11/6/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	11/6/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	11/6/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	11/6/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	11/6/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	11/6/01
Methyl-tert-butyl ether	ND	ppb v/v	0.128	USEPA TO-15	11/6/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	11/6/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	11/6/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	11/6/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	11/6/01
Benzene	ND	ppb v/v	0.1201	USEPA TO-15	11/6/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	11/6/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	11/6/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	11/6/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	11/6/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	11/6/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	11/6/01
Toluene	ND	ppb v/v	0.0735	USEPA TO-15	11/6/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	11/6/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	11/6/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	11/6/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	11/6/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL
NR=NON REPORTABLE RESULTS

NYS ELAP #10224
M\WBE #46075

CITY_21MC100_011107697

NYC-WTC_000182476

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NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB#: 01110052**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER- 5 Boro Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	11/6/01
Styrene	ND	ppb v/v	0.0696	USEPA TO-15	11/6/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	11/6/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	11/6/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	11/6/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	11/6/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	11/6/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	11/6/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	11/6/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	11/6/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	11/6/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL
NR=NON REPORTABLE RESULTS

NYS ELAP #10224
MWBE #46075

NYC-WTC_000182477