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#: 01090294

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/23/01 7:00 PM	9/24/01	9/25/01	9/25/01

SAMPLE ID#: 01090294-001 **SAMPLE ORIGIN** BROADWAY AVE & 31st ST., QUEENS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.46	ppb v/v	0.123	USEPA TO-15	9/24/01
Chloromethane	0.56	ppb v/v	0.1037	USEPA TO-15	9/24/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/24/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/24/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/24/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/24/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/24/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/24/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/24/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/24/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/24/01
Methyl-tert-butyl ether	58.4	ppb v/v	0.128	USEPA TO-15	9/24/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/24/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/24/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/24/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/24/01
Benzene	7.83	ppb v/v	0.1201	USEPA TO-15	9/24/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/24/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/24/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/24/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/24/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/24/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_008914328

NYC-WTC_000187430

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#: 01090294

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/24/01
Toluene	57.7	ppb v/v	0.0735	USEPA TO-15	9/24/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/24/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/24/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/24/01
Ethylbenzene	10.2	ppb v/v	0.0744	USEPA TO-15	9/24/01
m,p-Xylene	27.6	ppb v/v	0.1785	USEPA TO-15	9/24/01
Styrene	0.24	ppb v/v	0.0896	USEPA TO-15	9/24/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/24/01
o-Xylene	10.1	ppb v/v	0.0111	USEPA TO-15	9/24/01
1,3,5-Trimethylbenzene	2.24	ppb v/v	0.0757	USEPA TO-15	9/24/01
1,2,4-Trimethylbenzene	7.38	ppb v/v	0.1511	USEPA TO-15	9/24/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/24/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/24/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/24/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/24/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/24/01
Tentatively Identified Compounds					9/24/01
2-Methyl butane	11.5	ppb v/v			9/24/01
Pentane	5.29	ppb v/v			9/24/01
Methylcyclobutane	5.84	ppb v/v			9/24/01
2-Methyl Pentane	14.7	ppb v/v			9/24/01
3-Methyl pentane	8.97	ppb v/v			9/24/01
methyl cyclopentane	11.4	ppb v/v			9/24/01
3-Methyl hexane	5.80	ppb v/v			9/24/01
2,3,4-Trimethyl pentane	5.61	ppb v/v			9/24/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_008914329

NYC-WTC_000187431

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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#: 01090294

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/23/01 7:45 PM	9/24/01	9/25/01	9/25/01

SAMPLE ID#: 01090294-002 **SAMPLE ORIGIN** 138th St. & 3rd AVENUE, BRONX

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.54	ppb v/v	0.123	USEPA TO-15	9/24/01
Chloromethane	0.83	ppb v/v	0.1037	USEPA TO-15	9/24/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/24/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/24/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/24/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/24/01
Trichlorofluoromethane	0.21	ppb v/v	0.1839	USEPA TO-15	9/24/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/24/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/24/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/24/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/24/01
Methyl-tert-butyl ether	8.69	ppb v/v	0.128	USEPA TO-15	9/24/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/24/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/24/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/24/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/24/01
Benzene	1.88	ppb v/v	0.1201	USEPA TO-15	9/24/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/24/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/24/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/24/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/24/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/24/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/24/01
Toluene	6.54	ppb v/v	0.0735	USEPA TO-15	9/24/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/24/01
Tetrachloroethene	0.11	ppb v/v	0.0845	USEPA TO-15	9/24/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/24/01
Ethylbenzene	1.74	ppb v/v	0.0744	USEPA TO-15	9/24/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_008914330

NYC-WTC_000187432

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NYCDEP-Emergency Response & Tech Assmt.	1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
96-05 Horace Harding Expressway	**LAB#: 01090294**
Corona NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	4.72	ppb v/v	0.1785	USEPA TO-15	9/24/01
Styrene	0.20	ppb v/v	0.0896	USEPA TO-15	9/24/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/24/01
o-Xylene	1.96	ppb v/v	0.0111	USEPA TO-15	9/24/01
1,3,5-Trimethylbenzene	0.84	ppb v/v	0.0757	USEPA TO-15	9/24/01
1,2,4-Trimethylbenzene	2.76	ppb v/v	0.1511	USEPA TO-15	9/24/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/24/01
1,4-Dichlorobenzene	0.18	ppb v/v	0.169	USEPA TO-15	9/24/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/24/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/24/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/24/01
Tentatively Identified Compounds					9/24/01
Butane	1.23	ppb v/v			9/24/01
2-Methyl butane	3.34	ppb v/v			9/24/01
2,3-dimethyl butane	1.00	ppb v/v			9/24/01
2-Methyl Pentane	1.80	ppb v/v			9/24/01
3-Methyl pentane	1.31	ppb v/v			9/24/01
o-Ethyltoluene	0.97	ppb v/v			9/24/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

NYC-WTC_000187433

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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#: 01090294

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/23/01 8:15 PM	9/24/01	9/25/01	9/25/01

SAMPLE ID#: 01090294-003 **SAMPLE ORIGIN** CENTAL PARK N. & LENOX , MANHATTAN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	2.13	ppb v/v	0.123	USEPA TO-15	9/24/01
Chloromethane	2.79	ppb v/v	0.1037	USEPA TO-15	9/24/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/24/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/24/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/24/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/24/01
Trichlorofluoromethane	0.68	ppb v/v	0.1839	USEPA TO-15	9/24/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/24/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/24/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/24/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/24/01
Methyl-tert-butyl ether	2.45	ppb v/v	0.128	USEPA TO-15	9/24/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/24/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/24/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/24/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/24/01
Benzene	0.67	ppb v/v	0.1201	USEPA TO-15	9/24/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/24/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/24/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/24/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/24/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/24/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/24/01
Toluene	1.56	ppb v/v	0.0735	USEPA TO-15	9/24/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/24/01
Tetrachloroethene	0.11	ppb v/v	0.0845	USEPA TO-15	9/24/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/24/01
Ethylbenzene	0.24	ppb v/v	0.0744	USEPA TO-15	9/24/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

CITY_21MC100_008914332

NYC-WTC_000187434

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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#: 01090294**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	0.71	ppb v/v	0.1785	USEPA TO-15	9/24/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/24/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/24/01
o-Xylene	0.26	ppb v/v	0.0111	USEPA TO-15	9/24/01
1,3,5-Trimethylbenzene	0.12	ppb v/v	0.0757	USEPA TO-15	9/24/01
1,2,4-Trimethylbenzene	0.43	ppb v/v	0.1511	USEPA TO-15	9/24/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/24/01
1,4-Dichlorobenzene	0.39	ppb v/v	0.169	USEPA TO-15	9/24/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/24/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/24/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/24/01
Tentatively Identified Compounds					9/24/01
2-Methyl butane	1.81	ppb v/v			9/24/01

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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#: 01090294

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/23/01 9:10 PM	9/24/01	9/25/01	9/25/01

SAMPLE ID#: 01090294-004 **SAMPLE ORIGIN** BERRY ST. & NORTH 11th ST, BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.53	ppb v/v	0.123	USEPA TO-15	9/24/01
Chloromethane	0.53	ppb v/v	0.1037	USEPA TO-15	9/24/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/24/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/24/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/24/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/24/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/24/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/24/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/24/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/24/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/24/01
Methyl-tert-butyl ether	15.7	ppb v/v	0.128	USEPA TO-15	9/24/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/24/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/24/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/24/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/24/01
Benzene	1.96	ppb v/v	0.1201	USEPA TO-15	9/24/01
Carbon Tetrachloride	0.12	ppb v/v	0.0922	USEPA TO-15	9/24/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/24/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/24/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/24/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/24/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/24/01
Toluene	10.2	ppb v/v	0.0735	USEPA TO-15	9/24/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/24/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/24/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/24/01
Ethylbenzene	1.88	ppb v/v	0.0744	USEPA TO-15	9/24/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_008914334

NYC-WTC_000187436

NYC 9/11 Public Portal Document

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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#: 01090294

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

m,p-Xylene	5.21	ppb v/v	0.1785	USEPA TO-15	9/24/01
Styrene	0.11	ppb v/v	0.0896	USEPA TO-15	9/24/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/24/01
o-Xylene	2.00	ppb v/v	0.0111	USEPA TO-15	9/24/01
1,3,5-Trimethylbenzene	0.84	ppb v/v	0.0757	USEPA TO-15	9/24/01
1,2,4-Trimethylbenzene	2.49	ppb v/v	0.1511	USEPA TO-15	9/24/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/24/01
1,4-Dichlorobenzene	0.26	ppb v/v	0.169	USEPA TO-15	9/24/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/24/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/24/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/24/01
Tentatively Identified Compounds					9/24/01
Butane	0.91	ppb v/v			9/24/01
Pentane	1.54	ppb v/v			9/24/01
2,3-dimethyl butane	1.43	ppb v/v			9/24/01
3-Methyl pentane	2.07	ppb v/v			9/24/01
Methylcyclopentane	2.24	ppb v/v			9/24/01
3-Methyl hexane	1.35	ppb v/v			9/24/01
Heptane	1.04	ppb v/v			9/24/01
2,3,4-Trimethyl pentane	0.91	ppb v/v			9/24/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_008914335

NYC-WTC_000187437

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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#: 01090294**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/23/01 9:50 PM	9/24/01	9/25/01	9/25/01

SAMPLE ID#: 01090294-005 **SAMPLE ORIGIN** ATLANTIC AVE. & SMITH ST., BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.48	ppb v/v	0.123	USEPA TO-15	9/24/01
Chloromethane	0.80	ppb v/v	0.1037	USEPA TO-15	9/24/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/24/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/24/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/24/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/24/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/24/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/24/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/24/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/24/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/24/01
Methyl-tert-butyl ether	9.71	ppb v/v	0.128	USEPA TO-15	9/24/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/24/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/24/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/24/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/24/01
Benzene	2.78	ppb v/v	0.1201	USEPA TO-15	9/24/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/24/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/24/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/24/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/24/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/24/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/24/01
Toluene	10.0	ppb v/v	0.0735	USEPA TO-15	9/24/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/24/01
Tetrachloroethene	0.16	ppb v/v	0.0845	USEPA TO-15	9/24/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/24/01
Ethylbenzene	2.27	ppb v/v	0.0744	USEPA TO-15	9/24/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

NYC-WTC_000187438

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#: 01090294**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	5.52	ppb v/v	0.1785	USEPA TO-15	9/24/01
Styrene	0.35	ppb v/v	0.0896	USEPA TO-15	9/24/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/24/01
o-Xylene	2.01	ppb v/v	0.0111	USEPA TO-15	9/24/01
1,3,5-Trimethylbenzene	0.73	ppb v/v	0.0757	USEPA TO-15	9/24/01
1,2,4-Trimethylbenzene	2.52	ppb v/v	0.1511	USEPA TO-15	9/24/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/24/01
1,4-Dichlorobenzene	0.17	ppb v/v	0.169	USEPA TO-15	9/24/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/24/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/24/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/24/01
Tentatively Identified Compounds					9/24/01
2-Methyl butane	2.54	ppb v/v			9/24/01
2-Methyl Pentane	1.73	ppb v/v			9/24/01
3-Methyl pentane	1.02	ppb v/v			9/24/01
Methylcyclopentane	1.22	ppb v/v			9/24/01

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NYCDEP-Emergency Response & Tech Assmt.	1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
96-05 Horace Harding Expressway	**LAB#: 01090294**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/23/01 10:40 PM	9/24/01	9/25/01	9/25/01

SAMPLE ID#: 01090294-006 **SAMPLE ORIGIN** BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.43	ppb v/v	0.123	USEPA TO-15	9/24/01
Chloromethane	0.79	ppb v/v	0.1037	USEPA TO-15	9/24/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/24/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/24/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/24/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/24/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/24/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/24/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/24/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/24/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/24/01
Methyl-tert-butyl ether	1.80	ppb v/v	0.128	USEPA TO-15	9/24/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/24/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/24/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/24/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/24/01
Benzene	0.53	ppb v/v	0.1201	USEPA TO-15	9/24/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/24/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/24/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/24/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/24/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/24/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/24/01
Toluene	1.52	ppb v/v	0.0735	USEPA TO-15	9/24/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/24/01
Tetrachloroethene	0.10	ppb v/v	0.0845	USEPA TO-15	9/24/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/24/01
Ethylbenzene	0.33	ppb v/v	0.0744	USEPA TO-15	9/24/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_008914338

NYC-WTC_000187440

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NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB#: 01090294**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	1.00	ppb v/v	0.1785	USEPA TO-15	9/24/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/24/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/24/01
o-Xylene	0.36	ppb v/v	0.0111	USEPA TO-15	9/24/01
1,3,5-Trimethylbenzene	0.16	ppb v/v	0.0757	USEPA TO-15	9/24/01
1,2,4-Trimethylbenzene	0.60	ppb v/v	0.1511	USEPA TO-15	9/24/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/24/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/24/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/24/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/24/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/24/01

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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#: 01090294

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/23/01 5:00 PM	9/24/01	9/25/01	9/25/01

SAMPLE ID#: 01090294-007 **SAMPLE ORIGIN:** TRIP BLANKS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	ND	ppb v/v	0.123	USEPA TO-15	9/24/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/24/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/24/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/24/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/24/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/24/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/24/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/24/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/24/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/24/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/24/01
Methyl-tert-butyl ether	ND	ppb v/v	0.128	USEPA TO-15	9/24/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/24/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/24/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/24/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/24/01
Benzene	ND	ppb v/v	0.1201	USEPA TO-15	9/24/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/24/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/24/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/24/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/24/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/24/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/24/01
Toluene	ND	ppb v/v	0.0735	USEPA TO-15	9/24/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/24/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/24/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/24/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	9/24/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_008914340

NYC-WTC_000187442

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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#: 01090294

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	9/24/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/24/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/24/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	9/24/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	9/24/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	9/24/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/24/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/24/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/24/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/24/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/24/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

NYC-WTC_000187443