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#: 01090292

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/21/01 8:15 PM	9/22/01	9/23/01	9/23/01

SAMPLE ID#: 01090292-001 **SAMPLE ORIGIN** BROADWAY AVE & 31st ST., QUEENS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.62	ppb v/v	0.123	USEPA TO-15	9/22/01
Chloromethane	0.30	ppb v/v	0.1037	USEPA TO-15	9/22/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/22/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/22/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/22/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/22/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/22/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/22/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/22/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/22/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/22/01
Methyl-tert-butyl ether	1.16	ppb v/v	0.128	USEPA TO-15	9/22/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/22/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/22/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/22/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/22/01
Benzene	0.59	ppb v/v	0.1201	USEPA TO-15	9/22/01
Carbon Tetrachloride	0.12	ppb v/v	0.0922	USEPA TO-15	9/22/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/22/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/22/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/22/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/22/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002952563

NYC-WTC_000187416

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#: 01090292**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

1,1,2-Trichloroethane	ND	ppb v/v	0.0898	USEPA TO-15	9/22/01
Toluene	2.09	ppb v/v	0.0735	USEPA TO-15	9/22/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/22/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/22/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/22/01
Ethylbenzene	0.31	ppb v/v	0.0744	USEPA TO-15	9/22/01
m,p-Xylene	1.04	ppb v/v	0.1785	USEPA TO-15	9/22/01
Styrene	0.11	ppb v/v	0.0896	USEPA TO-15	9/22/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/22/01
o-Xylene	0.40	ppb v/v	0.0111	USEPA TO-15	9/22/01
1,3,5-Trimethylbenzene	0.19	ppb v/v	0.0757	USEPA TO-15	9/22/01
1,2,4-Trimethylbenzene	0.55	ppb v/v	0.1511	USEPA TO-15	9/22/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/22/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/22/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/22/01
1,2,4-Trichlorobenzene	0.27	ppb v/v	0.1785	USEPA TO-15	9/22/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/22/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002952564

NYC-WTC_000187417

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#: 01090292**
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**
9/21/01 9:00 PM	9/22/01	9/23/01	9/23/01

SAMPLE ID#: 01090292-002 **SAMPLE ORIGIN** 138th St. & 3rd AVENUE, BRONX

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.61	ppb v/v	0.123	USEPA TO-15	9/22/01
Chloromethane	0.32	ppb v/v	0.1037	USEPA TO-15	9/22/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/22/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/22/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/22/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/22/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/22/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/22/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/22/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/22/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/22/01
Methyl-tert-butyl ether	8.00	ppb v/v	0.128	USEPA TO-15	9/22/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/22/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/22/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/22/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/22/01
Benzene	0.99	ppb v/v	0.1201	USEPA TO-15	9/22/01
Carbon Tetrachloride	0.13	ppb v/v	0.0922	USEPA TO-15	9/22/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/22/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/22/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/22/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/22/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/22/01
Toluene	2.91	ppb v/v	0.0735	USEPA TO-15	9/22/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/22/01
Tetrachloroethene	0.11	ppb v/v	0.0845	USEPA TO-15	9/22/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/22/01
Ethylbenzene	0.36	ppb v/v	0.0744	USEPA TO-15	9/22/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #48075

CITY_21MC100_002952565

NYC-WTC_000187418

NYC 9/11 Public Portal Document

Prepared Exclustvely For	***PEDNEAULT ASSOCIATES, INC.***
NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB#: 01090292**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	1.17	ppb v/v	0.1785	USEPA TO-15	9/22/01
Styrene	0.10	ppb v/v	0.0896	USEPA TO-15	9/22/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/22/01
o-Xylene	0.42	ppb v/v	0.0111	USEPA TO-15	9/22/01
1,3,5-Trimethylbenzene	0.15	ppb v/v	0.0757	USEPA TO-15	9/22/01
1,2,4-Trimethylbenzene	0.52	ppb v/v	0.1511	USEPA TO-15	9/22/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/22/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/22/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/22/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/22/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/22/01
Tentatively Identified Compounds				USEPA TO-15	9/22/01
2-Methylpentane	1.23	ppb v/v		USEPA TO-15	9/22/01
2-Methylbutane	5.38	ppb v/v		USEPA TO-15	9/22/01

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#: 01090292

PROJECT ID WORLD TRADE CENTER- 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/21/01 9:30 PM	9/22/01	9/23/01	9/23/01

SAMPLE ID#: 01090292-003 **SAMPLE ORIGIN** CENTAL PARK N. & LENOX , MANHATTAN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.65	ppb v/v	0.123	USEPA TO-15	9/23/01
Chloromethane	1.19	ppb v/v	0.1037	USEPA TO-15	9/23/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/23/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/23/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/23/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/23/01
Trichlorofluoromethane	0.55	ppb v/v	0.1839	USEPA TO-15	9/23/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/23/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/23/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/23/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/23/01
Methyl-tert-butyl ether	3.44	ppb v/v	0.128	USEPA TO-15	9/23/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/23/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/23/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/23/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/23/01
Benzene	1.42	ppb v/v	0.1201	USEPA TO-15	9/23/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/23/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/23/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/23/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/23/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/23/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/23/01
Toluene	3.66	ppb v/v	0.0735	USEPA TO-15	9/23/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/23/01
Tetrachloroethene	0.53	ppb v/v	0.0845	USEPA TO-15	9/23/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/23/01
Ethylbenzene	0.74	ppb v/v	0.0744	USEPA TO-15	9/23/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002952567

NYC-WTC_000187420

NYC 9/11 Public Portal Document

Prepared Exclustvely For.	PEDNEAULT ASSOCIATES, INC.
NYCDEP-Emergency Response & Tech Assmt.	1615 NINTH AVENUE. BOX 205. BOHEMIA. N.Y. 11716
96-05 Horace Harding Expressway	**LAB#: 01090292**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER- 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	1.80	ppb v/v	0.1785	USEPA TO-15	9/23/01
Styrene	0.10	ppb v/v	0.0896	USEPA TO-15	9/23/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/23/01
o-Xylene	0.62	ppb v/v	0.0111	USEPA TO-15	9/23/01
1,3,5-Trimethylbenzene	0.22	ppb v/v	0.0757	USEPA TO-15	9/23/01
1,2,4-Trimethylbenzene	0.87	ppb v/v	0.1511	USEPA TO-15	9/23/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/23/01
1,4-Dichlorobenzene	0.28	ppb v/v	0.169	USEPA TO-15	9/23/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/23/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/23/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/23/01
Tentatively Identified Compounds				USEPA TO-15	9/23/01
2-Methylbutane	1.92	ppb v/v		USEPA TO-15	9/23/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002952568

NYC-WTC_000187421

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#: 01090292

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/21/01 10:25 PM	9/22/01	9/23/01	9/23/01

SAMPLE ID#: 01090292-004 **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	9/22/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/22/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/22/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/22/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/22/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/22/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/22/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/22/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/22/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/22/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/22/01
Methyl-tert-butyl ether	2.05	ppb v/v	0.128	USEPA TO-15	9/22/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/22/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/22/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/22/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/22/01
Benzene	0.72	ppb v/v	0.1201	USEPA TO-15	9/22/01
Carbon Tetrachloride	0.12	ppb v/v	0.0922	USEPA TO-15	9/22/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/22/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/22/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/22/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/22/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/22/01
Toluene	3.67	ppb v/v	0.0735	USEPA TO-15	9/22/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/22/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/22/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/22/01
Ethylbenzene	0.46	ppb v/v	0.0744	USEPA TO-15	9/22/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002952569

NYC-WTC_000187422

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#: 01090292**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	1.34	ppb v/v	0.1785	USEPA TO-15	9/22/01
Styrene	0.09	ppb v/v	0.0896	USEPA TO-15	9/22/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/22/01
o-Xylene	0.46	ppb v/v	0.0111	USEPA TO-15	9/22/01
1,3,5-Trimethylbenzene	0.16	ppb v/v	0.0757	USEPA TO-15	9/22/01
1,2,4-Trimethylbenzene	0.58	ppb v/v	0.1511	USEPA TO-15	9/22/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/22/01
1,4-Dichlorobenzene	0.18	ppb v/v	0.169	USEPA TO-15	9/22/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/22/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/22/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/22/01
Tentatively Identified Compounds				USEPA TO-15	9/22/01
2-Methylbutane	1.09	ppb v/v		USEPA TO-15	9/22/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002952570

NYC-WTC_000187423

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#: 01090292

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/21/01 11:05 PM	9/22/01	9/23/01	9/23/01

SAMPLE ID#: 01090292-005 **SAMPLE ORIGIN** ATLANTIC AVE. & SMITH ST., BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.60	ppb v/v	0.123	USEPA TO-15	9/22/01
Chloromethane	0.44	ppb v/v	0.1037	USEPA TO-15	9/22/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/22/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/22/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/22/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/22/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/22/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/22/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/22/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/22/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/22/01
Methyl-tert-butyl ether	1.01	ppb v/v	0.128	USEPA TO-15	9/22/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/22/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/22/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/22/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/22/01
Benzene	1.19	ppb v/v	0.1201	USEPA TO-15	9/22/01
Carbon Tetrachloride	0.10	ppb v/v	0.0922	USEPA TO-15	9/22/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/22/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/22/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/22/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/22/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/22/01
Toluene	2.51	ppb v/v	0.0735	USEPA TO-15	9/22/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/22/01
Tetrachloroethene	0.17	ppb v/v	0.0845	USEPA TO-15	9/22/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/22/01
Ethylbenzene	0.25	ppb v/v	0.0744	USEPA TO-15	9/22/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002952571

NYC-WTC_000187424

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#: 01090292**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	0.88	ppb v/v	0.1785	USEPA TO-15	9/22/01
Styrene	ND	ppb v/v	0.0898	USEPA TO-15	9/22/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/22/01
o-Xylene	0.31	ppb v/v	0.0111	USEPA TO-15	9/22/01
1,3,5-Trimethylbenzene	0.12	ppb v/v	0.0757	USEPA TO-15	9/22/01
1,2,4-Trimethylbenzene	0.43	ppb v/v	0.1511	USEPA TO-15	9/22/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/22/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/22/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/22/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/22/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/22/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002952572

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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#: 01090292

PROJECT ID WORLD TRADE CENTER- 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/21/01 11:55 PM	9/22/01	9/23/01	9/23/01

SAMPLE ID#: 01090292-006 **SAMPLE ORIGIN** BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.44	ppb v/v	0.123	USEPA TO-15	9/23/01
Chloromethane	1.00	ppb v/v	0.1037	USEPA TO-15	9/23/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	9/23/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/23/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/23/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/23/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/23/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/23/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/23/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/23/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/23/01
Methyl-tert-butyl ether	0.55	ppb v/v	0.128	USEPA TO-15	9/23/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/23/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/23/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/23/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/23/01
Benzene	0.24	ppb v/v	0.1201	USEPA TO-15	9/23/01
Carbon Tetrachloride	0.11	ppb v/v	0.0922	USEPA TO-15	9/23/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/23/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/23/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/23/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/23/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0898	USEPA TO-15	9/23/01
Toluene	0.57	ppb v/v	0.0735	USEPA TO-15	9/23/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/23/01
Tetrachloroethene	0.15	ppb v/v	0.0845	USEPA TO-15	9/23/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/23/01
Ethylbenzene	0.08	ppb v/v	0.0744	USEPA TO-15	9/23/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
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NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB#: 01090292**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER- 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	0.24	ppb v/v	0.1785	USEPA TO-15	9/23/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/23/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/23/01
o-Xylene	0.09	ppb v/v	0.0111	USEPA TO-15	9/23/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	9/23/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	9/23/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	9/23/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/23/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/23/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/23/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/23/01

John Pedneault
Lab Director

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NYS ELAP #10224
MWBE #46075

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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#: 01090292

PROJECT ID WORLD TRADE CENTER - 5 Boro Air Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/21/01 5:00 PM	9/22/01	9/23/01	9/23/01

SAMPLE ID#: 01090292-007 **SAMPLE ORIGIN** TRIP BLANKS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	ND	ppb v/v	0.123	USEPA TO-15	9/22/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	9/22/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2866	USEPA TO-15	9/22/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	9/22/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	9/22/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	9/22/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	9/22/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	9/22/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	9/22/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	9/22/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	9/22/01
Methyl-tert-butyl ether	ND	ppb v/v	0.128	USEPA TO-15	9/22/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	9/22/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	9/22/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	9/22/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	9/22/01
Benzene	ND	ppb v/v	0.1201	USEPA TO-15	9/22/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	9/22/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	9/22/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	9/22/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	9/22/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	9/22/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	9/22/01
Toluene	ND	ppb v/v	0.0735	USEPA TO-15	9/22/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	9/22/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	9/22/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	9/22/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	9/22/01

John Pedneault
Lab Director

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NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB#: 01090292**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER - 5 Boro Air Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	9/22/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	9/22/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	9/22/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	9/22/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	9/22/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	9/22/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1584	USEPA TO-15	9/22/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	9/22/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	9/22/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	9/22/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	9/22/01

John Pedneault
Lab Director

ND=RESULT IS EQUAL TO OR LESS THAN MDL

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002952576

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