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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
10/29/01 5:10 PM	10/29/01 11:55:00 PM	10/30/01	10/31/01

SAMPLE ID#: 01100535-001 **SAMPLE ORIGIN** BROADWAY AVE & 31st ST., QUEENS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	1.17	ppb v/v	0.123	USEPA TO-15	10/30/01
Chloromethane	1.37	ppb v/v	0.1037	USEPA TO-15	10/30/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	10/30/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	10/30/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	10/30/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	10/30/01
Trichlorofluoromethane	0.48	ppb v/v	0.1839	USEPA TO-15	10/30/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	10/30/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	10/30/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	10/30/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	10/30/01
Methyl-tert-butyl ether	31.9	ppb v/v	0.128	USEPA TO-15	10/30/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	10/30/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	10/30/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	10/30/01
1,1,1-Trichloroethane	0.11	ppb v/v	0.0974	USEPA TO-15	10/30/01
Benzene	8.55	ppb v/v	0.1201	USEPA TO-15	10/30/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	10/30/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	10/30/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	10/30/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	10/30/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

CITY_21MC100_003071412

NYC-WTC_000334167

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#: 01100535**
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	10/30/01
Toluene	22.4	ppb v/v	0.0735	USEPA TO-15	10/30/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	10/30/01
Tetrachloroethene	0.41	ppb v/v	0.0845	USEPA TO-15	10/30/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	10/30/01
Ethylbenzene	3.76	ppb v/v	0.0744	USEPA TO-15	10/30/01
m,p-Xylene	11.1	ppb v/v	0.1785	USEPA TO-15	10/30/01
Styrene	0.46	ppb v/v	0.0896	USEPA TO-15	10/30/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	10/30/01
o-Xylene	3.86	ppb v/v	0.0111	USEPA TO-15	10/30/01
1,3,5-Trimethylbenzene	0.90	ppb v/v	0.0757	USEPA TO-15	10/30/01
1,2,4-Trimethylbenzene	2.35	ppb v/v	0.1511	USEPA TO-15	10/30/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	10/30/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	10/30/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	10/30/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	10/30/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	10/30/01
Tentatively Identified Compounds				USEPA TO-15	10/30/01
2-Methyl-1-propene	5.04	ppb v/v		USEPA TO-15	10/30/01
2,5-Dihydrofuran	5.42	ppb v/v		USEPA TO-15	10/30/01
Pentane	4.88	ppb v/v		USEPA TO-15	10/30/01
2-Methylpentane	7.56	ppb v/v		USEPA TO-15	10/30/01

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
10/29/0 6:45 PM	10/29/01 11:55:00 PM	10/30/01	10/31/01

SAMPLE ID#: 01100535-002 **SAMPLE ORIGIN** 138th St. & 3rd AVENUE, BRONX

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.99	ppb v/v	0.123	USEPA TO-15	10/30/01
Chloromethane	1.25	ppb v/v	0.1037	USEPA TO-15	10/30/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	10/30/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	10/30/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	10/30/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	10/30/01
Trichlorofluoromethane	0.29	ppb v/v	0.1839	USEPA TO-15	10/30/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	10/30/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	10/30/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	10/30/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	10/30/01
Methyl-tert-butyl ether	5.48	ppb v/v	0.128	USEPA TO-15	10/30/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	10/30/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	10/30/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	10/30/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	10/30/01
Benzene	4.20	ppb v/v	0.1201	USEPA TO-15	10/30/01
Carbon Tetrachloride	0.15	ppb v/v	0.0922	USEPA TO-15	10/30/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	10/30/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	10/30/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	10/30/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	10/30/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
Toluene	8.14	ppb v/v	0.0735	USEPA TO-15	10/30/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	10/30/01
Tetrachloroethene	0.21	ppb v/v	0.0845	USEPA TO-15	10/30/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	10/30/01
Ethylbenzene	0.84	ppb v/v	0.0744	USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

CITY_21MC100_003071414

NYC-WTC_000334169

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

m,p-Xylene	2.81	ppb v/v	0.1785	USEPA TO-15	10/30/01
Styrene	0.40	ppb v/v	0.0896	USEPA TO-15	10/30/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	10/30/01
o-Xylene	0.97	ppb v/v	0.0111	USEPA TO-15	10/30/01
1,3,5-Trimethylbenzene	0.33	ppb v/v	0.0757	USEPA TO-15	10/30/01
1,2,4-Trimethylbenzene	0.96	ppb v/v	0.1511	USEPA TO-15	10/30/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	10/30/01
1,4-Dichlorobenzene	0.18	ppb v/v	0.169	USEPA TO-15	10/30/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	10/30/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	10/30/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	10/30/01
Tentatively Identified Compounds				USEPA TO-15	10/30/01
2,5-Dihydrofuran	1.83	ppb v/v		USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

NYC-WTC_000334170

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
10/29/01 7:16 PM	10/29/01 11:55:00 PM	10/30/01	10/31/01

SAMPLE ID#: 01100535-003 **SAMPLE ORIGIN** CENTRAL PARK N. & LENOX , MANHATTAN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	1.06	ppb v/v	0.123	USEPA TO-15	10/30/01
Chloromethane	1.55	ppb v/v	0.1037	USEPA TO-15	10/30/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	10/30/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	10/30/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	10/30/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	10/30/01
Trichlorofluoromethane	0.31	ppb v/v	0.1839	USEPA TO-15	10/30/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	10/30/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	10/30/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	10/30/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	10/30/01
Methyl-tert-butyl ether	1.39	ppb v/v	0.128	USEPA TO-15	10/30/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	10/30/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	10/30/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	10/30/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	10/30/01
Benzene	1.70	ppb v/v	0.1201	USEPA TO-15	10/30/01
Carbon Tetrachloride	0.14	ppb v/v	0.0922	USEPA TO-15	10/30/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	10/30/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	10/30/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	10/30/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	10/30/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
Toluene	3.02	ppb v/v	0.0735	USEPA TO-15	10/30/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	10/30/01
Tetrachloroethene	0.14	ppb v/v	0.0845	USEPA TO-15	10/30/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	10/30/01
Ethylbenzene	0.34	ppb v/v	0.0744	USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

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#: 01100535**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER- 5 Boro Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	1.14	ppb v/v	0.1785	USEPA TO-15	10/30/01
Styrene	0.14	ppb v/v	0.0896	USEPA TO-15	10/30/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	10/30/01
o-Xylene	0.37	ppb v/v	0.0111	USEPA TO-15	10/30/01
1,3,5-Trimethylbenzene	0.10	ppb v/v	0.0757	USEPA TO-15	10/30/01
1,2,4-Trimethylbenzene	0.29	ppb v/v	0.1511	USEPA TO-15	10/30/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	10/30/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	10/30/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	10/30/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	10/30/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	10/30/01
Tentatively Identified Compounds				USEPA TO-15	10/30/01
(E)-2-Butenal	1.25	ppb v/v		USEPA TO-15	10/30/01

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
10/29/01 8:21 PM	10/29/01 11:55:00 PM	10/30/01	10/31/01

SAMPLE ID#: 01100535-004 **SAMPLE ORIGIN** BERRY ST. & NORTH 11th ST, BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	1.02	ppb v/v	0.123	USEPA TO-15	10/30/01
Chloromethane	1.38	ppb v/v	0.1037	USEPA TO-15	10/30/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	10/30/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	10/30/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	10/30/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	10/30/01
Trichlorofluoromethane	0.43	ppb v/v	0.1839	USEPA TO-15	10/30/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	10/30/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	10/30/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	10/30/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	10/30/01
Methyl-tert-butyl ether	1.74	ppb v/v	0.128	USEPA TO-15	10/30/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	10/30/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	10/30/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	10/30/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	10/30/01
Benzene	0.56	ppb v/v	0.1201	USEPA TO-15	10/30/01
Carbon Tetrachloride	0.14	ppb v/v	0.0922	USEPA TO-15	10/30/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	10/30/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	10/30/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	10/30/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	10/30/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
Toluene	2.29	ppb v/v	0.0735	USEPA TO-15	10/30/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	10/30/01
Tetrachloroethene	0.10	ppb v/v	0.0845	USEPA TO-15	10/30/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	10/30/01
Ethylbenzene	0.25	ppb v/v	0.0744	USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

CITY_21MC100_003071418

NYC-WTC_000334173

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#: 01100535**
Corona , NY 11368	**PROJECT ID** WORLD TRADE CENTER- 5 Boro Sampling
(718) 595-4650	**MATRIX:** AIR\GAS

m,p-Xylene	0.80	ppb v/v	0.1785	USEPA TO-15	10/30/01
Styrene	0.17	ppb v/v	0.0896	USEPA TO-15	10/30/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	10/30/01
o-Xylene	0.28	ppb v/v	0.0111	USEPA TO-15	10/30/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	10/30/01
1,2,4-Trimethylbenzene	0.20	ppb v/v	0.1511	USEPA TO-15	10/30/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	10/30/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	10/30/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	10/30/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	10/30/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	10/30/01

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
10/29/01 8:50 PM	10/29/01 11:55:00 PM	10/30/01	10/31/01

SAMPLE ID#: 01100535-005 **SAMPLE ORIGIN** ATLANTIC AVE. & SMITH ST., BROOKLYN

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	0.98	ppb v/v	0.123	USEPA TO-15	10/30/01
Chloromethane	1.14	ppb v/v	0.1037	USEPA TO-15	10/30/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	10/30/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	10/30/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	10/30/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	10/30/01
Trichlorofluoromethane	0.32	ppb v/v	0.1839	USEPA TO-15	10/30/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	10/30/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	10/30/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	10/30/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	10/30/01
Methyl-tert-butyl ether	5.05	ppb v/v	0.128	USEPA TO-15	10/30/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	10/30/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	10/30/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	10/30/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	10/30/01
Benzene	0.64	ppb v/v	0.1201	USEPA TO-15	10/30/01
Carbon Tetrachloride	0.14	ppb v/v	0.0922	USEPA TO-15	10/30/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	10/30/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	10/30/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	10/30/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	10/30/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
Toluene	1.70	ppb v/v	0.0735	USEPA TO-15	10/30/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	10/30/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	10/30/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	10/30/01
Ethylbenzene	0.19	ppb v/v	0.0744	USEPA TO-15	10/30/01

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_003071420

NYC-WTC_000334175

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

m,p-Xylene	0.66	ppb v/v	0.1785	USEPA TO-15	10/30/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	10/30/01
o-Xylene	0.22	ppb v/v	0.0111	USEPA TO-15	10/30/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	10/30/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	10/30/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	10/30/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	10/30/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	10/30/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	10/30/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	10/30/01
Tentatively Identified Compounds				USEPA TO-15	10/30/01
Isobutane	1.33	ppb v/v		USEPA TO-15	10/30/01
Butane	1.21	ppb v/v		USEPA TO-15	10/30/01
2-Methylbutane	1.97	ppb v/v		USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

NYC-WTC_000334176

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
10/29/0 9:35 PM	10/29/01 11:55:00 PM	10/30/01	10/31/01

SAMPLE ID#: 01100535-006 **SAMPLE ORIGIN** BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	1.10	ppb v/v	0.123	USEPA TO-15	10/30/01
Chloromethane	1.09	ppb v/v	0.1037	USEPA TO-15	10/30/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	10/30/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	10/30/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	10/30/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	10/30/01
Trichlorofluoromethane	0.34	ppb v/v	0.1839	USEPA TO-15	10/30/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	10/30/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	10/30/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	10/30/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	10/30/01
Methyl-tert-butyl ether	5.70	ppb v/v	0.128	USEPA TO-15	10/30/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	10/30/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	10/30/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	10/30/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	10/30/01
Benzene	0.66	ppb v/v	0.1201	USEPA TO-15	10/30/01
Carbon Tetrachloride	0.14	ppb v/v	0.0922	USEPA TO-15	10/30/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	10/30/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	10/30/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	10/30/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	10/30/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
Toluene	1.87	ppb v/v	0.0735	USEPA TO-15	10/30/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	10/30/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	10/30/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	10/30/01
Ethylbenzene	0.22	ppb v/v	0.0744	USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

m,p-Xylene	0.73	ppb v/v	0.1785	USEPA TO-15	10/30/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	10/30/01
o-Xylene	0.23	ppb v/v	0.0111	USEPA TO-15	10/30/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	10/30/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	10/30/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	10/30/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	10/30/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	10/30/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	10/30/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	10/30/01
Tentatively Identified Compounds				USEPA TO-15	10/30/01
Isobutane	1.70	ppb v/v		USEPA TO-15	10/30/01
Butane	2.04	ppb v/v		USEPA TO-15	10/30/01
2-Methylbutane	2.52	ppb v/v		USEPA TO-15	10/30/01
Pentane	1.29	ppb v/v		USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

NYC-WTC_000334178

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
10/29/0 9:35 PM	10/29/01 11:55:00 PM	10/30/01	10/31/01

SAMPLE ID#: 01100535-007

SAMPLE ORIGIN DUP/BAY ST & VICTORY BLVD., STATEN ISLAND

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	1.03	ppb v/v	0.123	USEPA TO-15	10/30/01
Chloromethane	1.20	ppb v/v	0.1037	USEPA TO-15	10/30/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	10/30/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	10/30/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	10/30/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	10/30/01
Trichlorofluoromethane	0.34	ppb v/v	0.1839	USEPA TO-15	10/30/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	10/30/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	10/30/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	10/30/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	10/30/01
Methyl-tert-butyl ether	4.76	ppb v/v	0.128	USEPA TO-15	10/30/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	10/30/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	10/30/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	10/30/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	10/30/01
Benzene	0.62	ppb v/v	0.1201	USEPA TO-15	10/30/01
Carbon Tetrachloride	0.13	ppb v/v	0.0922	USEPA TO-15	10/30/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	10/30/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	10/30/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	10/30/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	10/30/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
Toluene	1.64	ppb v/v	0.0735	USEPA TO-15	10/30/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	10/30/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	10/30/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	10/30/01
Ethylbenzene	0.18	ppb v/v	0.0744	USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

CITY_21MC100_003071424

NYC-WTC_000334179

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

m,p-Xylene	0.65	ppb v/v	0.1785	USEPA TO-15	10/30/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	10/30/01
o-Xylene	0.21	ppb v/v	0.0111	USEPA TO-15	10/30/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	10/30/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	10/30/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	10/30/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	10/30/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	10/30/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	10/30/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	10/30/01
Tentatively Identified Compounds				USEPA TO-15	10/30/01
2-Methylbutane	2.21	ppb v/v		USEPA TO-15	10/30/01
Pentane	0.91	ppb v/v		USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

NYC-WTC_000334180

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
10/29/0	10/29/01 11:55:00 PM	10/30/01	10/31/01

SAMPLE ID#: 01100535-008 **SAMPLE ORIGIN** TRIP BLANKS

	RESULT	UNITS	M.D.L.	METHOD	ANALYSIS DATE
Dichlorodifluoromethane	ND	ppb v/v	0.123	USEPA TO-15	10/30/01
Chloromethane	ND	ppb v/v	0.1037	USEPA TO-15	10/30/01
1,2-Dichlorotetrafluoroethane	ND	ppb v/v	0.2886	USEPA TO-15	10/30/01
Vinyl Chloride	ND	ppb v/v	0.1249	USEPA TO-15	10/30/01
Bromomethane	ND	ppb v/v	0.2418	USEPA TO-15	10/30/01
Chloroethane	ND	ppb v/v	0.2478	USEPA TO-15	10/30/01
Trichlorofluoromethane	ND	ppb v/v	0.1839	USEPA TO-15	10/30/01
1,1-Dichloroethene	ND	ppb v/v	0.0799	USEPA TO-15	10/30/01
Methylene chloride	ND	ppb v/v	0.1909	USEPA TO-15	10/30/01
Freon 113	ND	ppb v/v	0.161	USEPA TO-15	10/30/01
1,1-Dichloroethane	ND	ppb v/v	0.1398	USEPA TO-15	10/30/01
Methyl-tert-butyl ether	ND	ppb v/v	0.128	USEPA TO-15	10/30/01
cis-1,2-Dichloroethene	ND	ppb v/v	0.1783	USEPA TO-15	10/30/01
Chloroform	ND	ppb v/v	0.1681	USEPA TO-15	10/30/01
1,2-Dichloroethane	ND	ppb v/v	0.1688	USEPA TO-15	10/30/01
1,1,1-Trichloroethane	ND	ppb v/v	0.0974	USEPA TO-15	10/30/01
Benzene	ND	ppb v/v	0.1201	USEPA TO-15	10/30/01
Carbon Tetrachloride	ND	ppb v/v	0.0922	USEPA TO-15	10/30/01
1,2-Dichloropropane	ND	ppb v/v	0.1138	USEPA TO-15	10/30/01
Trichloroethene	ND	ppb v/v	0.1329	USEPA TO-15	10/30/01
cis-1,3-Dichloropropene	ND	ppb v/v	0.0924	USEPA TO-15	10/30/01
trans-1,3-Dichloropropene	ND	ppb v/v	0.1222	USEPA TO-15	10/30/01
1,1,2-Trichloroethane	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
Toluene	ND	ppb v/v	0.0735	USEPA TO-15	10/30/01
1,2-Dibromoethane	ND	ppb v/v	0.0971	USEPA TO-15	10/30/01
Tetrachloroethene	ND	ppb v/v	0.0845	USEPA TO-15	10/30/01
Chlorobenzene	ND	ppb v/v	0.1343	USEPA TO-15	10/30/01
Ethylbenzene	ND	ppb v/v	0.0744	USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

CITY_21MC100_003071426

NYC-WTC_000334181

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#: 01100535

PROJECT ID WORLD TRADE CENTER- 5 Boro Sampling

MATRIX: AIR\GAS

m,p-Xylene	ND	ppb v/v	0.1785	USEPA TO-15	10/30/01
Styrene	ND	ppb v/v	0.0896	USEPA TO-15	10/30/01
1,1,2,2-Tetrachloroethane	ND	ppb v/v	0.1471	USEPA TO-15	10/30/01
o-Xylene	ND	ppb v/v	0.0111	USEPA TO-15	10/30/01
1,3,5-Trimethylbenzene	ND	ppb v/v	0.0757	USEPA TO-15	10/30/01
1,2,4-Trimethylbenzene	ND	ppb v/v	0.1511	USEPA TO-15	10/30/01
1,3-Dichlorobenzene	ND	ppb v/v	0.1564	USEPA TO-15	10/30/01
1,4-Dichlorobenzene	ND	ppb v/v	0.169	USEPA TO-15	10/30/01
1,2-Dichlorobenzene	ND	ppb v/v	0.2014	USEPA TO-15	10/30/01
1,2,4-Trichlorobenzene	ND	ppb v/v	0.1785	USEPA TO-15	10/30/01
Hexachloro-1,3-Butadiene	ND	ppb v/v	0.1976	USEPA TO-15	10/30/01

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

NYC-WTC_000334182