



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

MR. M. FAWZY, DIRECTOR

PEDNEAULT ASSOCIATES, INC.

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

LAB NUMBER: 01100166

PROJECT ID : WORLD TRADE CENTER-5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/6/01		10/8/01		10/8/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/5/01 7:35 PM	01100166-001	AIR/GAS	BROADWAY AVE & 31st ST., QUEENS	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		<0.01	mg/m3
Antimony (Sb)	OSHA ID 121/125G		0.03	mg/m3
Arsenic (As)	OSHA ID 121/125G		0.03	mg/m3
Barium (Ba)	OSHA ID 121/125G		0.01	mg/m3
Beryllium (Be)	OSHA ID 121/125G		<0.01	mg/m3
Cadmium (Cd)	OSHA ID 121/125G		0.01	mg/m3
Calcium (Ca)	OSHA ID 121/125G		0.24	mg/m3
Chromium (Cr)	OSHA ID 121/125G		<0.01	mg/m3
Copper (Cu)	OSHA ID 121/125G		0.04	mg/m3
Iron (Fe)	OSHA ID 121/125G		0.22	mg/m3
Lead (Pb)	OSHA ID 121/125G		0.04	mg/m3
Magnesium (Mg)	OSHA ID 121/125G		<0.01	mg/m3
Manganese (Mn)	OSHA ID 121/125G		<0.01	mg/m3
Mercury (Hg)	OSHA ID 121/245.5		<0.01	mg/m3
Nickel (Ni)	OSHA ID 121/125G		<0.01	mg/m3
Potassium (K)	OSHA ID 121/125G		0.15	mg/m3
Selenium (Se)	OSHA ID 121/125G		0.18	mg/m3
Silver (Ag)	OSHA ID 121/125G		<0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G		<0.01	mg/m3
Thallium (Tl)	OSHA ID 121/125G		<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		0.02	mg/m3

John Pedneault
Lab Director

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

Page 1 of 7
NYS ELAP #10224
MWBE #46075

CITY_21MC100_011063744

NYC-WTC_000210730

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

PEDNEAULT ASSOCIATES, INC.
 1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
LAB NUMBER: 01100166
PROJECT ID : WORLD TRADE CENTER-5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/6/01		10/8/01		10/8/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/5/01 8:20 PM	01100166-002	AIR/GAS	138th St. & 3rd AVENUE, BRONX	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.01	mg/m3
Antimony (Sb)	OSHA ID 121/125G		0.03	mg/m3
Arsenic (As)	OSHA ID 121/125G		0.03	mg/m3
Barium (Ba)	OSHA ID 121/125G		0.01	mg/m3
Beryllium (Be)	OSHA ID 121/125G		<0.01	mg/m3
Cadmium (Cd)	OSHA ID 121/125G		0.01	mg/m3
Calcium (Ca)	OSHA ID 121/125G		0.18	mg/m3
Chromium (Cr)	OSHA ID 121/125G		0.02	mg/m3
Copper (Cu)	OSHA ID 121/125G		<0.01	mg/m3
Iron (Fe)	OSHA ID 121/125G		0.09	mg/m3
Lead (Pb)	OSHA ID 121/125G		0.01	mg/m3
Magnesium (Mg)	OSHA ID 121/125G		0.01	mg/m3
Manganese (Mn)	OSHA ID 121/125G		<0.01	mg/m3
Mercury (Hg)	OSHA ID 121/245.5		<0.01	mg/m3
Nickel (Ni)	OSHA ID 121/125G		<0.01	mg/m3
Potassium (K)	OSHA ID 121/125G		0.07	mg/m3
Selenium (Se)	OSHA ID 121/125G		0.01	mg/m3
Silver (Ag)	OSHA ID 121/125G		<0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G		<0.01	mg/m3
Thallium (Tl)	OSHA ID 121/125G		<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		<0.01	mg/m3

John Pedneault
 Lab Director

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

Page 2 of 7
 NYS ELAP #10224
 MWBE #46075

10/10/2001 10:33 6314676905

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PAGE 07

Prepared Exclusively For: NYCDEP-Emergency Response & Tech Assmt. 96-05 Horace Harding Expressway Corona, NY 11368 (718) 595-4650 MR. M. FAWZY, DIRECTOR	PEDNEAULT ASSOCIATES, INC. 1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716 LAB NUMBER: 01100166 PROJECT ID : WORLD TRADE CENTER-5 Boro Sampling
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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/6/01		10/8/01		10/8/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/5/01 8:50 PM	01100166-003	AIR/GAS	CENTAL PARK N. & LENOX, MANHATTAN	
PARAMETER	METHOD	RESULT	UNITS	
Aluminum (Al)	OSHA ID 121/125G	<0.01	mg/m3	
Antimony (Sb)	OSHA ID 121/125G	0.06	mg/m3	
Arsenic (As)	OSHA ID 121/125G	0.01	mg/m3	
Barium (Ba)	OSHA ID 121/125G	0.01	mg/m3	
Beryllium (Be)	OSHA ID 121/125G	<0.01	mg/m3	
Cadmium (Cd)	OSHA ID 121/125G	0.01	mg/m3	
Calcium (Ca)	OSHA ID 121/125G	1.07	mg/m3	
Chromium (Cr)	OSHA ID 121/125G	0.02	mg/m3	
Copper (Cu)	OSHA ID 121/125G	<0.01	mg/m3	
Iron (Fe)	OSHA ID 121/125G	0.06	mg/m3	
Lead (Pb)	OSHA ID 121/125G	0.03	mg/m3	
Magnesium (Mg)	OSHA ID 121/125G	0.18	mg/m3	
Manganese (Mn)	OSHA ID 121/125G	<0.01	mg/m3	
Mercury (Hg)	OSHA ID 121/245.5	<0.01	mg/m3	
Nickel (Ni)	OSHA ID 121/125G	0.01	mg/m3	
Potassium (K)	OSHA ID 121/125G	0.15	mg/m3	
Selenium (Se)	OSHA ID 121/125G	0.20	mg/m3	
Silver (Ag)	OSHA ID 121/125G	0.01	mg/m3	
Sodium (Na)	OSHA ID 121/125G	9.0	mg/m3	
Thallium (Tl)	OSHA ID 121/125G	<0.01	mg/m3	
Zinc (Zn)	OSHA ID 121/125G	0.02	mg/m3	

John Pedneault
Lab Director

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Page 3 of 7
NYS ELAP #10224
MWBE #46075

CITY_21MC100_011063746

NYC-WTC_000210732

10/10/2001 10:33 6314676905

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PAGE 08

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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/6/01		10/8/01		10/8/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/5/01 9:45 PM	01100166-004	AIR/GAS	BERRY ST. & NORTH 11th ST, BROOKLYN	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		<0.01	mg/m3
Antimony (Sb)	OSHA ID 121/125G		<0.01	mg/m3
Arsenic (As)	OSHA ID 121/125G		0.01	mg/m3
Barium (Ba)	OSHA ID 121/125G		<0.01	mg/m3
Beryllium (Be)	OSHA ID 121/125G		<0.01	mg/m3
Cadmium (Cd)	OSHA ID 121/125G		0.01	mg/m3
Calcium (Ca)	OSHA ID 121/125G		0.34	mg/m3
Chromium (Cr)	OSHA ID 121/125G		0.03	mg/m3
Copper (Cu)	OSHA ID 121/125G		0.02	mg/m3
Iron (Fe)	OSHA ID 121/125G		0.30	mg/m3
Lead (Pb)	OSHA ID 121/125G		0.01	mg/m3
Magnesium (Mg)	OSHA ID 121/125G		0.02	mg/m3
Manganese (Mn)	OSHA ID 121/125G		0.01	mg/m3
Mercury (Hg)	OSHA ID 121/245.5		<0.01	mg/m3
Nickel (Ni)	OSHA ID 121/125G		0.01	mg/m3
Potassium (K)	OSHA ID 121/125G		0.06	mg/m3
Selenium (Se)	OSHA ID 121/125G		0.08	mg/m3
Silver (Ag)	OSHA ID 121/125G		<0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G		0.20	mg/m3
Thallium (Tl)	OSHA ID 121/125G		<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		0.03	mg/m3

John Pedneault
Lab Director

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Page 4 of 7
NYS ELAP #10224
MWBE #46075

CITY_21MC100_011063747

NYC-WTC_000210733

10/10/2001 13:33 6314676905

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PAGE 09

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 Corona, NY 11368
 (718) 595-4650
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PEDNEAULT ASSOCIATES, INC.
 1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
LAB NUMBER: 01100166
PROJECT ID : WORLD TRADE CENTER-5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/6/01		10/8/01		10/8/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/5/01 10:10 PM	01100166-005	AIR/GAS	ATLANTIC AVE. & SMITH ST., BROOKLYN	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.03	mg/m3
Antimony (Sb)	OSHA ID 121/125G		0.10	mg/m3
Arsenic (As)	OSHA ID 121/125G		<0.01	mg/m3
Barium (Ba)	OSHA ID 121/125G		<0.01	mg/m3
Beryllium (Be)	OSHA ID 121/125G		<0.01	mg/m3
Cadmium (Cd)	OSHA ID 121/125G		0.01	mg/m3
Calcium (Ca)	OSHA ID 121/125G		0.10	mg/m3
Chromium (Cr)	OSHA ID 121/125G		0.01	mg/m3
Copper (Cu)	OSHA ID 121/125G		<0.01	mg/m3
Iron (Fe)	OSHA ID 121/125G		<0.01	mg/m3
Lead (Pb)	OSHA ID 121/125G		0.01	mg/m3
Magnesium (Mg)	OSHA ID 121/125G		0.01	mg/m3
Manganese (Mn)	OSHA ID 121/125G		<0.01	mg/m3
Mercury (Hg)	OSHA ID 121/245.5		<0.01	mg/m3
Nickel (Ni)	OSHA ID 121/125G		<0.01	mg/m3
Potassium (K)	OSHA ID 121/125G		0.03	mg/m3
Selenium (Se)	OSHA ID 121/125G		0.01	mg/m3
Silver (Ag)	OSHA ID 121/125G		<0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G		<0.01	mg/m3
Thallium (Tl)	OSHA ID 121/125G		<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		<0.01	mg/m3

John Pedneault
 Lab Director

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Page 5 of 7
 NYS ELAP #10224
 MWBE #46075

CITY_21MC100_011063748

NYC-WTC_000210734

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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/6/01		10/8/01		10/8/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/5/01 10:55 PM	01100166-006	AIR/GAS	BAY ST & VICTORY BLVD., STATEN ISLAND	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.04	mg/m3
Antimony (Sb)	OSHA ID 121/125G		0.03	mg/m3
Arsenic (As)	OSHA ID 121/125G		<0.01	mg/m3
Barium (Ba)	OSHA ID 121/125G		<0.01	mg/m3
Beryllium (Be)	OSHA ID 121/125G		<0.01	mg/m3
Cadmium (Cd)	OSHA ID 121/125G		<0.01	mg/m3
Calcium (Ca)	OSHA ID 121/125G		1.35	mg/m3
Chromium (Cr)	OSHA ID 121/125G		<0.01	mg/m3
Copper (Cu)	OSHA ID 121/125G		<0.01	mg/m3
Iron (Fe)	OSHA ID 121/125G		<0.01	mg/m3
Lead (Pb)	OSHA ID 121/125G		<0.01	mg/m3
Magnesium (Mg)	OSHA ID 121/125G		0.43	mg/m3
Manganese (Mn)	OSHA ID 121/125G		0.04	mg/m3
Mercury (Hg)	OSHA ID 121/245.5		<0.01	mg/m3
Nickel (Ni)	OSHA ID 121/125G		<0.01	mg/m3
Potassium (K)	OSHA ID 121/125G		0.03	mg/m3
Selenium (Se)	OSHA ID 121/125G		<0.01	mg/m3
Silver (Ag)	OSHA ID 121/125G		<0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G		3.90	mg/m3
Thallium (Tl)	OSHA ID 121/125G		<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		<0.01	mg/m3

John Pedneault
Lab Director

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Page 6 of 7
NYS ELAP #10224
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CITY_21MC100_011063749

Prepared Exclusively For: NYCDEP-Emergency Response & Tech Assmt. 96-05 Horace Harding Expressway Corona, NY 11368 (718) 595-4650 MR. M. FAWZY, DIRECTOR	PEDNEAULT ASSOCIATES, INC. 1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716 LAB NUMBER: 01100166 PROJECT ID : WORLD TRADE CENTER-5 Boro Sampling
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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/6/01		10/8/01		10/8/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/5/01 5:00 PM	01100166-007	AIR/GAS	TRIP BLANKS	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.02	mg/m3
Antimony (Sb)	OSHA ID 121/125G		<0.01	mg/m3
Arsenic (As)	OSHA ID 121/125G		<0.01	mg/m3
Barium (Ba)	OSHA ID 121/125G		<0.01	mg/m3
Beryllium (Be)	OSHA ID 121/125G		<0.01	mg/m3
Cadmium (Cd)	OSHA ID 121/125G		<0.01	mg/m3
Calcium (Ca)	OSHA ID 121/125G		<0.01	mg/m3
Chromium (Cr)	OSHA ID 121/125G		0.02	mg/m3
Copper (Cu)	OSHA ID 121/125G		<0.01	mg/m3
Iron (Fe)	OSHA ID 121/125G		<0.01	mg/m3
Lead (Pb)	OSHA ID 121/125G		<0.01	mg/m3
Magnesium (Mg)	OSHA ID 121/125G		<0.01	mg/m3
Manganese (Mn)	OSHA ID 121/125G		0.04	mg/m3
Mercury (Hg)	OSHA ID 121/245.5		<0.01	mg/m3
Nickel (Ni)	OSHA ID 121/125G		<0.01	mg/m3
Potassium (K)	OSHA ID 121/125G		0.01	mg/m3
Selenium (Se)	OSHA ID 121/125G		<0.01	mg/m3
Silver (Ag)	OSHA ID 121/125G		0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G		<0.01	mg/m3
Thallium (Tl)	OSHA ID 121/125G		<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		<0.01	mg/m3

John Pedneault
Lab Director

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

Page 7 of 7
NYS ELAP #10224
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