



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: 01100592

PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/31/01		11/2/01		11/2/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/31/01 5:00 PM	01100592-001	AIR/GAS	BROADWAY AVE & 31st ST., QUEENS	
PARAMETER	METHOD	RESULT	UNITS	
Aluminum (Al)	OSHA ID 121/125G	0.03	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	1.15	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	0.06	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	<0.01	mg/m3	
Selenium (Se)	OSHA ID 121/125G	<0.01	mg/m3	
Silver (Ag)	OSHA ID 121/125G	0.03	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	0.04	mg/m3	

John Pedneault
Lab Director

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

Page 1 of 8
NYS ELAP #10224
MWBE: #46075

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LAB NUMBER: 01100592

PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/31/01		11/2/01		11/2/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/31/01 6:00 PM	01100592-002	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		<0.01	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		0.71	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		0.05	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		<0.01	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		0.05	mg/m3

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Page 2 of 8
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PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/31/01		11/2/01		11/2/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/31/01 6:25 PM	01100592-003	AIR/GAS	CENTRAL PARK N. & LENOX, MANHATTAN	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		<0.01	mg/m3
Antimony (Sb)	OSHA ID 121/125G		<0.01	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		0.71	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		0.05	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		<0.01	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		0.05	mg/m3

John Pedneault
 Lab Director

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Page 3 of 8
 NYS ELAP #10224
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CITY_21MC100_003071460

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MR. M. FAWZY, DIRECTOR

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LAB NUMBER: 01100592**PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling**

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/31/01		11/2/01		11/2/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/31/01 7:35 PM	01100592-004	AIR/GAS	BERRY ST. & NORTH 11th ST, BROOKLYN	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.03	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		1.19	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		0.04	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		<0.01	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		0.04	mg/m3

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Page 4 of 8
NYS ELAP #10224
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CITY_21MC100_003071461

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MR. M. FAWZY, DIRECTOR

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

LAB NUMBER: 01100592**PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling**

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/31/01		11/2/01		11/2/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/31/01 8:00 PM	01100592-005	AIR/GAS	ATLANTIC AVE. & SMITH ST., BROOKLYN	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.08	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		0.69	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		0.03	mg/m3
Manganese (Mn)	OSHA ID 121/125G		0.03	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

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Lab Director

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Page 5 of 8
NYS ELAP #10224
MWBE #46075

CITY_21MC100_003071462

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

LAB NUMBER: 01100592

PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/31/01		11/2/01		11/2/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/31/01 8:50 PM	01100592-006	AIR/GAS	BAY ST & VICTORY BLVD., STATEN ISLAND	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.03	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		1.33	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		0.09	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		<0.01	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

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Page 6 of 8
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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/31/01		11/2/01		11/2/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/31/01 6:00 PM	01100592-007	AIR/GAS	DUP/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		<0.01	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		0.35	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		0.05	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		<0.01	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

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Page 7 of 8
 NYS ELAP #10224
 MWBE #46075

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: 01100592 PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling
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DATE RECEIVED		RELEASE DATE	REPORT DATE	
10/31/01		11/2/01	11/2/01	
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/31/01 5:00 PM	01100592-008	AIR\GAS	TRIP BLANKS	
PARAMETER	METHOD	RESULT	UNITS	
Aluminum (Al)	OSHA ID 121/125G	0.04	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	1.02	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	0.07	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	<0.01	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	1.39	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 8 of 8
NYS ELA #10224
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