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:	***PEDNEAULT ASSOCIATES, INC.***
NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB NUMBER:** 01100235
Corona , NY 11368	**PROJECT ID** : WORLD TRADE CENTER-5 Bourough Random Sampling
(718) 595-4650	
MR. M. FAWZY, DIRECTOR	

DATE RECEIVED	RELEASE DATE	REPORT DATE
10/10/01	10/12/01	10/12/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
10/10/01 6:15 PM	01100235-001	AIR\GAS	BROADWAY AVE & 31st ST. . QUEENS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G	0.06	mg/m3
Antimony (Sb)	OSHA ID 121/125G	0.51	mg/m3
Arsenic (As)	OSHA ID 121/125G	0.22	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	0.01	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	0.06	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	<0.01	mg/m3
Selenium (Se)	OSHA ID 121/125G	0.33	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.

NYS ELAP #10224
MWBE #45075

CITY_21MC100_011063872

NYC-WTC_000367686

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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: 01100235

PROJECT ID : WORLD TRADE CENTER-5 Bourough Random Sampling

DATE RECEIVED	RELEASE DATE	REPORT DATE
10/10/01	10/12/01	10/12/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
10/10/01 6:50 PM	01100235-002	AIR\GAS	138th St. & 3rd AVENUE, BRONX

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G	0.08	mg/m3
Antimony (Sb)	OSHA ID 121/125G	0.31	mg/m3
Arsenic (As)	OSHA ID 121/125G	0.10	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	0.02	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	<0.01	mg/m3
Mercury (Hg)	OSHA ID 121/245.5	<0.01	mg/m3
Nickel (Ni)	OSHA ID 121/125G	0.03	mg/m3
Potassium (K)	OSHA ID 121/125G	<0.01	mg/m3
Selenium (Se)	OSHA ID 121/125G	0.15	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.

NYS ELAP #10224
MWBE #46075

NYC-WTC_000367687

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 01100235

PROJECT ID : WORLD TRADE CENTER-5 Bourough Random Sampling

DATE RECEIVED	RELEASE DATE	REPORT DATE
10/10/01	10/12/01	10/12/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
10/10/01 7:20 PM	01100235-003	AIR\GAS	CENTRAL PARK N. & LENOX , MANHATTAN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G	0.03	mg/m3
Antimony (Sb)	OSHA ID 121/125G	0.15	mg/m3
Arsenic (As)	OSHA ID 121/125G	0.14	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	<0.01	mg/m3
Copper (Cu)	OSHA ID 121/125G	0.04	mg/m3
Iron (Fe)	OSHA ID 121/125G	7.13	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	0.02	mg/m3
Mercury (Hg)	OSHA ID 121/245.5	<0.01	mg/m3
Nickel (Ni)	OSHA ID 121/125G	0.03	mg/m3
Potassium (K)	OSHA ID 121/125G	<0.01	mg/m3
Selenium (Se)	OSHA ID 121/125G	0.25	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.

NYS ELAP #10224
MWBE #46075

CITY_21MC100_011063874

NYC-WTC_000367688

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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: 01100235

PROJECT ID : WORLD TRADE CENTER-5 Bourough Random Sampling

DATE RECEIVED	RELEASE DATE	REPORT DATE
10/10/01	10/12/01	10/12/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
10/10/01 8:25 PM	01100235-004	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	0.13	mg/m3
Arsenic (As)	OSHA ID 121/125G	0.06	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	<0.01	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	0.32	mg/m3
Selenium (Se)	OSHA ID 121/125G	0.12	mg/m3
Silver (Ag)	OSHA ID 121/125G	<0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G	0.47	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.

NYS ELAP #10224
MWBE #46075

CITY_21MC100_011063875

NYC-WTC_000367689

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NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB NUMBER:** 01100235
Corona , NY 11368	**PROJECT ID :** WORLD TRADE CENTER-5 Bourough Random Sampling
(718) 595-4650	
MR. M. FAWZY, DIRECTOR	

DATE RECEIVED	RELEASE DATE	REPORT DATE
10/10/01	10/12/01	10/12/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
10/10/01 8:50 PM	01100235-005	AIR\GAS	ATLANTIC AVE. & SMITH 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	0.11	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	<0.01	mg/m3
Selenium (Se)	OSHA ID 121/125G	0.06	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.

NYS ELAP #10224
MWBE #46075

CITY_21MC100_011063876

NYC-WTC_000367690

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NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB NUMBER:** 01100235
Corona , NY 11368	**PROJECT ID :** WORLD TRADE CENTER-5 Bourough Random Sampling
(718) 595-4650	
MR. M. FAWZY, DIRECTOR	

DATE RECEIVED	RELEASE DATE	REPORT DATE
10/10/01	10/12/01	10/12/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
10/10/01 9:45 PM	01100235-006	AIR\GAS	BAY ST & VICTORY BLVD., STATEN ISLAND

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G	<0.01	mg/m3
Antimony (Sb)	OSHA ID 121/125G	0.04	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	<0.01	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	<0.01	mg/m3
Selenium (Se)	OSHA ID 121/125G	0.04	mg/m3
Silver (Ag)	OSHA ID 121/125G	<0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G	0.60	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.

NYS ELAP #10224
MWBE #46075

NYC-WTC_000367691

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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: 01100235

PROJECT ID : WORLD TRADE CENTER-5 Bourough Random Sampling

DATE RECEIVED		RELEASE DATE	REPORT DATE
10/10/01		10/12/01	10/12/01
COLLECT DATE:	**SAMPLE ID#:**	**MATRIX:**	**SAMPLE ORIGIN:**
10/10/01 4:00 PM	01100235-007	AIR\GAS	TRIP BLANKS

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	<0.01	mg/m3
Chromium (Cr)	OSHA ID 121/125G	<0.01	mg/m3
Copper (Cu)	OSHA ID 121/125G	0.03	mg/m3
Iron (Fe)	OSHA ID 121/125G	0.06	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	0.08	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	0.30	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.

NYS ELAP #10224
MWBE #46075

NYC-WTC_000367692

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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: 01100235

PROJECT ID : WORLD TRADE CENTER-5 Bourough Random Sampling

DATE RECEIVED	RELEASE DATE	REPORT DATE
10/10/01	10/12/01	10/12/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
10/10/01 8:50 PM	01100235-008	AIR\GAS	DUPLICATE-ATLANTIC AVE. & SMITH 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	0.10	mg/m3
Chromium (Cr)	OSHA ID 121/125G	0.10	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	<0.01	mg/m3
Selenium (Se)	OSHA ID 121/125G	0.05	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.

NYS ELAP #10224
MWBE #46075

NYC-WTC_000367693