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 Exclustvely 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: 01090385

PROJECT ID : WORLD TRADE CENTER-5 Boro Sampling

DATE RECEIVED	RELEASE DATE	REPORT DATE
9/29/01	10/1/01	10/1/01

COLLECT DATE	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
9/28/01 7:30 PM	01090385-001	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	0.59	mg/m3
Arsenic (As)	OSHA ID 121/125G	0.17	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	0.09	mg/m3
Chromium (Cr)	OSHA ID 121/125G	0.03	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	0.03	mg/m3
Magnesium (Mg)	OSHA ID 121/125G	<0.01	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	0.18	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	<0.01	mg/m3

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

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002968528

NYC-WTC_000288751

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 NUMBER:** 01090385
Corona , NY 11368	**PROJECT ID :** WORLD TRADE CENTER-5 Boro Sampling
(718) 595-4650	
MR. M. FAWZY, DIRECTOR	

DATE RECEIVED	RELEASE DATE	REPORT DATE
9/29/01	10/1/01	10/1/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
9/28/01 8:00 PM	01090385-002	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	0.17	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	0.74	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	0.10	mg/m3
Manganese (Mn)	OSHA ID 121/125G	0.05	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	0.09	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	3.7	mg/m3
Thallium (Tl)	OSHA ID 121/125G	0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G	0.01	mg/m3

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

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002968529

NYC-WTC_000288752

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 NUMBER: 01090385**
Corona , NY 11368	**PROJECT ID :** WORLD TRADE CENTER-5 Boro Sampling
(718) 595-4650	
MR. M. FAWZY, DIRECTOR	

DATE RECEIVED	RELEASE DATE	REPORT DATE
9/29/01	10/1/01	10/1/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
9/28/01 8:30 PM	01090385-003	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	0.20	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	<0.01	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	0.11	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	0.06	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	0.10	mg/m3
Silver (Ag)	OSHA ID 121/125G	0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G	0.04	mg/m3
Thallium (Tl)	OSHA ID 121/125G	<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G	<0.01	mg/m3

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

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002968530

NYC-WTC_000288753

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 NUMBER:** 01090385
Corona , NY 11368	**PROJECT ID :** WORLD TRADE CENTER-5 Boro Sampling
(718) 595-4650	
MR. M. FAWZY, DIRECTOR	

DATE RECEIVED	RELEASE DATE	REPORT DATE
9/29/01	10/1/01	10/1/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
9/28/01 9:30 PM	01090385-004	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	0.02	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	0.10	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	0.02	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

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

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #48075

CITY_21MC100_002968531

NYC-WTC_000288754

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 NUMBER:** 01090385
Corona , NY 11368	**PROJECT ID :** WORLD TRADE CENTER-5 Boro Sampling
(718) 595-4650	
MR. M. FAWZY, DIRECTOR	

DATE RECEIVED	RELEASE DATE	REPORT DATE
9/29/01	10/1/01	10/1/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
9/28/01 10:00 PM	01090385-005	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	0.03	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	<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	0.03	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	0.22	mg/m3
Thallium (Tl)	OSHA ID 121/125G	<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G	<0.01	mg/m3

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

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002968532

NYC-WTC_000288755

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 NUMBER:** 01090385
Corona , NY 11368	**PROJECT ID :** WORLD TRADE CENTER-5 Boro Sampling
(718) 595-4650	
MR. M. FAWZY, DIRECTOR	

DATE RECEIVED	RELEASE DATE	REPORT DATE
9/29/01	10/1/01	10/1/01

COLLECT DATE	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
9/28/01 10:30 PM	01090385-006	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	0.06	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	0.04	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	0.02	mg/m3
Silver (Ag)	OSHA ID 121/125G	<0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G	1.06	mg/m3
Thallium (Tl)	OSHA ID 121/125G	<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G	<0.01	mg/m3

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

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002968533

NYC-WTC_000288756

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 NUMBER:** 01090385
Corona , NY 11368	**PROJECT ID :** WORLD TRADE CENTER-5 Boro Sampling
(718) 595-4650	
MR. M. FAWZY, DIRECTOR	

DATE RECEIVED	RELEASE DATE	REPORT DATE
9/29/01	10/1/01	10/1/01

COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:
9/28/01 5:00 PM	01090385-007	AIR\GAS	TRIP BLANKS

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	<0.01	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	0.09	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	0.04	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

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

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

CITY_21MC100_002968534

NYC-WTC_000288757