NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
BOHEMIA, N.Y. 11716
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AMERICA'S TEST LAB!

Prepared Exclusively For:
N.Y.C. D.E.P. HAZMAT DIVISION
59-17 JUNCTION BOULEVARD
CORONA , NY 11368
(718) 595-6431

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

LAB NUMBER: 01090230

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/18/01 9:25 PM	9/19/01	9/20/01	9/20/01

SAMPLE ID#: 01090230-001 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BROADWAY AVE & 31st ST., QUEENS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.07	mg/m3
Copper (Cu)	OSHA ID121	0.09	µg/m3
Arsenic (As)	OSHA ID121	0.03	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.64	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	0.04	mg/m3
Lead (Pb)	OSHA ID121	0.05	mg/m3
Magnesium (Mg)	OSHA ID121	0.12	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.01	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.10	mg/m3
Sodium (Na)	OSHA ID121	1.85	mg/m3
Thallium (Tl)	OSHA ID121	<0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.02	mg/m3
Silver (Ag)	OSHA ID121	0.16	mg/m3

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

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #46075

CITY_21MC100_011094994

NYC-WTC_000196138

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N.Y.C. D.E.P. HAZMAT DIVISION	1615 NINTH AVENUE BOX 205, BOHEMIA, N.Y. 11716
59-17 JUNCTION BOULEVARD	**LAB NUMBER:** 01090230
CORONA , NY 11368	**PROJECT ID :** WORLD TRADE CENTER
(718) 595-6431	

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/18/01 10:00 PM	9/19/01	9/20/01	9/20/01

SAMPLE ID#: 01090230-002 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** 138th St. & 3rd AVENUE, BRONX

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.06	mg/m3
Copper (Cu)	OSHA ID121	0.07	µg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.48	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	0.02	mg/m3
Magnesium (Mg)	OSHA ID121	0.04	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.12	mg/m3
Selenium (Se)	OSHA ID121	0.08	mg/m3
Sodium (Na)	OSHA ID121	1.91	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.01	mg/m3
Silver (Ag)	OSHA ID121	0.04	mg/m3

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

John Pedneault
Lab Director

NYS ELAP #10824
MWBE #46075

CITY_21MC100_011094995

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

LAB NUMBER: 01090230

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/18/01 10:30 PM	9/19/01	9/20/01	9/20/01

SAMPLE ID#: 01090230-003 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** CENTRAL PARK N. & LENOX , MANHATTAN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.11	mg/m3
Arsenic (As)	OSHA ID121	0.04	mg/m3
Copper (Cu)	OSHA ID121	0.06	µg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.48	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Fb)	OSHA ID121	0.02	mg/m3
Magnesium (Mg)	OSHA ID121	0.09	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.09	mg/m3
Selenium (Se)	OSHA ID121	0.08	mg/m3
Sodium (Na)	OSHA ID121	2.67	mg/m3
Thallium (Tl)	OSHA ID121	0.02	mg/m3
Zinc (Zn)	OSHA ID121	0.02	mg/m3
Silver (Ag)	OSHA ID121	0.02	mg/m3

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

John Pedneault
Lab Director

NYS ELAP #10224
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CITY_21MC100_011094996

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N.Y.C. D.E.P. HAZMAT DIVISION 59-17 JUNCTION BOULEVARD CORONA , NY 11368 (718) 595-6431	1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716 **LAB NUMBER:** 01090230 **PROJECT ID :** WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/19/01 12:07 PM	9/19/01	9/20/01	9/20/01

SAMPLE ID#: 01090230-004 **MATRIX** AIR/GAS **SAMPLE ORIGIN:** BERRY ST. & NORTH 11th ST, BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.03	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	0.02	µg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.36	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.11	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.07	mg/m3
Selenium (Se)	OSHA ID121	0.05	mg/m3
Sodium (Na)	OSHA ID121	2.05	mg/m3
Thallium (Tl)	OSHA ID121	<0.01	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

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

John Pedneault
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NYS ELAP #10224
MWBE #46075

CITY_21MC100_011094997

NYC-WTC_000196141

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59-17 JUNCTION BOULEVARD	**LAB NUMBER: 01090230**
CORONA , NY 11368	**PROJECT ID :** WORLD TRADE CENTER
(718) 595-6431	

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/19/01 1:00 AM	9/19/01	9/20/01	9/20/01

SAMPLE ID#: 01090230-005 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** ATLANTIC AVE. & SMITH ST., BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.03	mg/m3
Copper (Cu)	OSHA ID121	0.04	µg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.46	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	0.02	mg/m3
Lead (Pb)	OSHA ID121	0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.06	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.05	mg/m3
Selenium (Se)	OSHA ID121	0.05	mg/m3
Sodium (Na)	OSHA ID121	1.34	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

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

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Lab Director

NYS ELAP #10224
MWBE #46075

CITY_21MC100_011094998

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LAB NUMBER: 01090230

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/19/01 1:40 AM	9/19/01	9/20/01	9/20/01

SAMPLE ID#: 01090230-006 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BAY ST & VICTORY BLVD., STATEN ISLAND

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.02	mg/m3
Antimony (Sb)	OSHA ID121	0.03	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	0.04	µg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	<0.01	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	0.61	mg/m3
Chromium (Cr)	OSHA ID121	0.03	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.03	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	<0.01	mg/m3
Potassium (K)	OSHA ID121	0.21	mg/m3
Selenium (Se)	OSHA ID121	0.05	mg/m3
Sodium (Na)	OSHA ID121	1.03	mg/m3
Thallium (Tl)	OSHA ID121	<0.01	mg/m3
Zinc (Zn)	OSHA ID121	0.02	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3

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

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NYS ELAP #10224
MWBE #46075

CITY_21MC100_011094999

NYC-WTC_000196143

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LAB NUMBER: 01090230

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COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/18/01 7:00 PM	9/19/01		

SAMPLE ID#: 01090230-007 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** TRIP BLANKS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121		mg/m3
Antimony (Sb)	OSHA ID121		mg/m3
Arsenic (As)	OSHA ID121		mg/m3
Copper (Cu)	OSHA ID121		µg/m3
Barium (Ba)	OSHA ID121		mg/m3
Beryllium (Be)	OSHA ID121		mg/m3
Cadmium (Cd)	OSHA ID121		mg/m3
Calcium (Ca)	OSHA ID121		mg/m3
Chromium (Cr)	OSHA ID121		mg/m3
Iron (Fe)	OSHA ID121		mg/m3
Lead (Pb)	OSHA ID121		mg/m3
Magnesium (Mg)	OSHA ID121		mg/m3
Manganese (Mn)	OSHA ID121		mg/m3
Mercury (Hg)	OSHA ID121		mg/m3
Nickel (Ni)	OSHA ID121		mg/m3
Potassium (K)	OSHA ID121		mg/m3
Selenium (Se)	OSHA ID121		mg/m3
Sodium (Na)	OSHA ID121		mg/m3
Thallium (Tl)	OSHA ID121		mg/m3
Zinc (Zn)	OSHA ID121		mg/m3
Silver (Ag)	OSHA ID121		mg/m3

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

John Pedneault
Lab Director

NYS ELAP #10224
MWBE #48075

CITY_21MC100_011095000

NYC-WTC_000196144