NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
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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: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 7:40 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-001 **MATRIX** AIRGAS **SAMPLE ORIGIN:** BROADWAY AVE & 31st ST., QUEENS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	0.11	mg/m3
Copper (Cu)	OSHA ID121	<0.01	µg/m3
Arsenic (As)	OSHA ID121	0.04	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	1.07	mg/m3
Chromium (Cr)	OSHA ID121	<0.01	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.20	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	0.08	mg/m3
Sodium (Na)	OSHA ID121	<0.01	mg/m3
Thallium (Tl)	OSHA ID121	0.03	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.03	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_002846399

NYC-WTC_000362000

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

LAB NUMBER: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 8:30 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-002 **MATRIX:** AIRGAS **SAMPLE ORIGIN:** 136th 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	<0.01	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	1.30	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	0.02	mg/m3
Lead (Pb)	OSHA ID121	0.02	mg/m3
Magnesium (Mg)	OSHA ID121	0.23	mg/m3
Manganese (Mn)	OSHA ID121	0.26	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	0.02	mg/m3
Sodium (Na)	OSHA ID121	1.62	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.23	mg/m3

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

John Pedneault
Lab Director

NYS ELAP #10221
MWBE #46075

CITY_21MC100_002846400

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

LAB NUMBER: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 9:05 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-003 **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	0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	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	1.02	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.15	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	0.09	mg/m3
Sodium (Na)	OSHA ID121	0.74	mg/m3
Thallium (Tl)	OSHA ID121	0.04	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.29	mg/m3

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

John Pedneault
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NWBE #46075

CITY_21MC100_002846401

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59-17 JUNCTION BOULEVARD	**LAB NUMBER: 01090183**
CORONA , NY 11368	**PROJECT ID :** WORLD TRADE CENTER
(718) 595-6431	

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 10:30 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-004 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BERRY ST. & NORTH 11th ST, BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.04	mg/m3
Antimony (Sb)	OSHA ID121	0.12	mg/m3
Arsenic (As)	OSHA ID121	0.03	mg/m3
Copper (Cu)	OSHA ID121	<0.01	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	0.73	mg/m3
Chromium (Cr)	OSHA ID121	0.02	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	<0.01	mg/m3
Selenium (Se)	OSHA ID121	0.03	mg/m3
Sodium (Na)	OSHA ID121	<0.01	mg/m3
Thallium (Tl)	OSHA ID121	0.05	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.19	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_002846402

NYC-WTC_000362003

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59-17 JUNCTION BOULEVARD	**LAB NUMBER: 01090183**
CORONA , NY 11368	**PROJECT ID :** WORLD TRADE CENTER
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COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 11:05 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-005 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** ATLANTIC AVE. & SMITH ST., BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminium (Al)	OSHA ID121	<0.01	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	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	1.36	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.25	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	<0.01	mg/m3
Sodium (Na)	OSHA ID121	0.60	mg/m3
Thallium (Tl)	OSHA ID121	0.02	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_002846403

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LAB NUMBER: 01090183

PROJECT ID : WORLD TRADE CENTER

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 11:55 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-006 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** BAY ST & VICTORY BL D., STATEN ISLAND

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.06	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	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	1.18	mg/m3
Chromium (Cr)	OSHA ID121	0.02	mg/m3
Iron (Fe)	OSHA ID121	<0.01	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.22	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	<0.01	mg/m3
Sodium (Na)	OSHA ID121	0.33	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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NYS ELAP #10224
MWBE #46075

CITY_21MC100_002846404

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COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/15/01 6:00 PM	9/16/01	9/17/01	9/17/01

SAMPLE ID#: 01090183-007 **MATRIX** AIR\GAS **SAMPLE ORIGIN:** TRIP BLANKS

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.16	mg/m3
Antimony (Sb)	OSHA ID121	0.03	mg/m3
Arsenic (As)	OSHA ID121	0.01	mg/m3
Copper (Cu)	OSHA ID121	0.08	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	0.22	mg/m3
Chromium (Cr)	OSHA ID121	0.31	mg/m3
Iron (Fe)	OSHA ID121	0.14	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	<0.01	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	0.11	mg/m3
Sodium (Na)	OSHA ID121	<0.01	mg/m3
Thallium (Tl)	OSHA ID121	0.01	mg/m3
Zinc (Zn)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.59	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_002846405

NYC-WTC_000362006