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PEDNEAULT ASSOCIATES

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PEDNEAULT ASSOCIATES, INC.

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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: 01090163

PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/13/01	9/14/01	9/14/01	9/14/01
SAMPLE ID#: 01090163-001 MATRIX AIR/GAS		SAMPLE ORIGIN: BROADWAY AVE & 31st ST., QUEENS	
PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.14	mg/m3
Antimony (Sb)	OSHA ID121	0.31	mg/m3
Copper (Cu)	OSHA ID121	0.02	mg/m3
Arsenic (As)	OSHA ID121	0.15	mg/m3
Barium (Ba)	OSHA ID121	0.006	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.39	mg/m3
Chromium (Cr)	OSHA ID121	<0.06	mg/m3
Iron (Fe)	OSHA ID121	0.41	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.66	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.04	mg/m3
Potassium (K)	OSHA ID121	0.05	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.26	mg/m3
Sodium (Na)	OSHA ID121	0.41	mg/m3
Thallium (Tl)	OSHA ID121	0.12	mg/m3
Zinc (Zn)	OSHA ID121	0.14	mg/m3

Reported results are reflective of TOTAL, Metal

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Lab DirectorPage 1 of 7
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PEDNEAULT ASSOCIATES, INC.

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

LAB NUMBER: 01090163**PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE**

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/13/01	9/14/01	9/14/01	9/14/01
SAMPLE ID#: 01090163-002 MATRIX AIR/GAS		SAMPLE ORIGIN: 138th S. & 3rd AVENUE, BRONX	
PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.14	mg/m3
Antimony (Sb)	OSHA ID121	0.38	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	0.05	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.37	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	0.18	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.67	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.04	mg/m3
Potassium (K)	OSHA ID121	0.06	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.10	mg/m3
Sodium (Na)	OSHA ID121	0.54	mg/m3
Thallium (Tl)	OSHA ID121	0.13	mg/m3
Zinc (Zn)	OSHA ID121	0.13	mg/m3

Reported results are reflective of TOTAL, Metal

John Pedneault
Lab Director

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PEDNEAULT ASSOCIATES, INC.
 1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
LAB NUMBER: 01090163
PROJECT ID: WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/13/01	9/14/01	9/14/01	9/14/01
SAMPLE ID#: 01090163-003 MATRIX AIR/GAS		SAMPLE ORIGIN: CENTRAL PARK N. & LENOX, MANHATTAN	
PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.18	mg/m3
Antimony (Sb)	OSHA ID121	0.02	mg/m3
Arsenic (As)	OSHA ID121	0.10	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.43	mg/m3
Chromium (Cr)	OSHA ID121	0.04	mg/m3
Iron (Fe)	OSHA ID121	0.29	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.68	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.06	mg/m3
Potassium (K)	OSHA ID121	0.08	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	0.02	mg/m3
Sodium (Na)	OSHA ID121	0.34	mg/m3
Thallium (Tl)	OSHA ID121	0.11	mg/m3
Zinc (Zn)	OSHA ID121	0.13	mg/m3

Reported results are reflective of TOTAL, Metal

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 Lab Director

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PEDNEAULT ASSOCIATES, INC.
 1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
LAB NUMBER: 01090163
PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01	9/14/01	9/14/01	9/14/01
SAMPLE ID#: 01090163-004 MATRIX AIR/GAS		SAMPLE ORIGIN: BERRY ST. & NORTH 11 ST., BROOKLYN	
PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.16	mg/m3
Antimony (Sb)	OSHA ID121	0.02	mg/m3
Arsenic (As)	OSHA ID121	0.04	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	4.06	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	0.15	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.72	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.04	mg/m3
Potassium (K)	OSHA ID121	0.06	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3
Sodium (Na)	OSHA ID121	5.64	mg/m3
Thallium (Tl)	OSHA ID121	0.11	mg/m3
Zinc (Zn)	OSHA ID121	0.12	mg/m3

Reported results are reflective of TOTAL, Metal

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PEDNEAULT ASSOCIATES, INC.
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LAB NUMBER: 01090163

PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01	9/14/01	9/14/01	9/14/01
SAMPLE ID#: 01090163-005 MATRIX AIR/GAS		SAMPLE ORIGIN: ATLANTIC AVE. & SMITH ST., BROOKLYN	
PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.23	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	0.04	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.43	mg/m3
Chromium (Cr)	OSHA ID121	<0.01	mg/m3
Iron (Fe)	OSHA ID121	0.20	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.69	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.05	mg/m3
Potassium (K)	OSHA ID121	1.82	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3
Thallium (Tl)	OSHA ID121	0.12	mg/m3
Sodium (Na)	OSHA ID121	5.67	mg/m3
Zinc (Zn)	OSHA ID121	0.31	mg/m3

Reported results are reflective of TOTAL, Metal

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

LAB NUMBER: 01090163

PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01	9/14/01	9/14/01	9/14/01
SAMPLE ID#: 01090163-006 MATRIX AIR/GAS		SAMPLE ORIGIN: BAY ST. & VICTORY BLVD., STATEN ISLAND	
PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.25	mg/m3
Antimony (Sb)	OSHA ID121	0.04	mg/m3
Arsenic (As)	OSHA ID121	0.02	mg/m3
Barium (Ba)	OSHA ID121	<0.01	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	3.28	mg/m3
Chromium (Cr)	OSHA ID121	<0.01	mg/m3
Iron (Fe)	OSHA ID121	0.27	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.66	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.04	mg/m3
Potassium (K)	OSHA ID121	<0.01	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3
Sodium (Na)	OSHA ID121	4.73	mg/m3
Thallium (Tl)	OSHA ID121	0.12	mg/m3
Zinc (Zn)	OSHA ID121	0.08	mg/m3

Reported results are reflective of TOTAL, Metal

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

LAB NUMBER: 01090163**PROJECT ID : WORLD TRADE CENTER-HAZMAT RESPONSE**

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/14/01	9/14/01	9/14/01	9/14/01
SAMPLE ID#: 01090163-007 MATRIX AIR/GAS		SAMPLE ORIGIN: FIELD BLANK	
PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID121	0.21	mg/m3
Antimony (Sb)	OSHA ID121	<0.01	mg/m3
Arsenic (As)	OSHA ID121	0.05	mg/m3
Copper (Cu)	OSHA ID121	<0.01	mg/m3
Barium (Ba)	OSHA ID121	0.01	mg/m3
Beryllium (Be)	OSHA ID121	0.02	mg/m3
Cadmium (Cd)	OSHA ID121	<0.01	mg/m3
Calcium (Ca)	OSHA ID121	4.60	mg/m3
Chromium (Cr)	OSHA ID121	0.01	mg/m3
Iron (Fe)	OSHA ID121	0.15	mg/m3
Lead (Pb)	OSHA ID121	<0.01	mg/m3
Magnesium (Mg)	OSHA ID121	0.72	mg/m3
Manganese (Mn)	OSHA ID121	<0.01	mg/m3
Mercury (Hg)	OSHA ID121	<0.01	mg/m3
Nickel (Ni)	OSHA ID121	0.04	mg/m3
Potassium (K)	OSHA ID121	0.08	mg/m3
Selenium (Se)	OSHA ID121	<0.01	mg/m3
Silver (Ag)	OSHA ID121	<0.01	mg/m3
Sodium (Na)	OSHA ID121	0.48	mg/m3
Thallium (Tl)	OSHA ID121	0.11	mg/m3
Zinc (Zn)	OSHA ID121	0.13	mg/m3

Reported results are reflective of TOTAL, Metal

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