



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:

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: 01100404

PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/21/01		10/23/01		10/23/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/21/01 4:35 PM	01100404-001	AIR/GAS	BROADWAY AVE & 31st ST., QUEENS	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.29	mg/m3
Antimony (Sb)	OSHA ID 121/125G		0.81	mg/m3
Arsenic (As)	OSHA ID 121/125G		0.02	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		0.04	mg/m3
Iron (Fe)	OSHA ID 121/125G		1.00	mg/m3
Lead (Pb)	OSHA ID 121/125G		1.02	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		0.20	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		0.10	mg/m3

John Pedneault
Lab Director

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

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NYS ELAP #10224
MWBE #46075

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10/21/01		10/23/01		10/23/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/21/01 5:15 PM	01100404-002	AIR/GAS	138th St & 3rd AVENUE, BRONX	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.04	mg/m3
Antimony (Sb)	OSHA ID 121/125G		0.15	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		0.05	mg/m3
Iron (Fe)	OSHA ID 121/125G		0.22	mg/m3
Lead (Pb)	OSHA ID 121/125G		0.02	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		<0.01	mg/m3
Potassium (K)	OSHA ID 121/125G		<0.01	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		<0.01	mg/m3
Thallium (Tl)	OSHA ID 121/125G		<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		0.06	mg/m3

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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/21/01		10/23/01		10/23/01
COLLECT DATE:		SAMPLE ID#:		MATRIX:
10/21/01 5:45 PM		01100404-003		AIRIGAS
SAMPLE ORIGIN:				
CENTRAL PARK N. & LENOX, MANHATTAN				
PARAMETER	METHOD	RESULT	UNITS	
Aluminum (Al)	OSHA ID 121/125G	0.32	mg/m3	
Antimony (Sb)	OSHA ID 121/125G	0.12	mg/m3	
Arsenic (As)	OSHA ID 121/125G	0.02	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	0.13	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	0.01	mg/m3	
Potassium (K)	OSHA ID 121/125G	<0.01	mg/m3	
Selenium (Se)	OSHA ID 121/125G	0.09	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	0.43	mg/m3	

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10/21/01		10/23/01		10/23/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/21/01 6:58 PM	01100404-004	AIRIGAS	BERRY ST. & NORTH 11th ST, BROOKLYN	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.04	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		0.07	mg/m3
Lead (Pb)	OSHA ID 121/125G		0.02	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		0.01	mg/m3
Potassium (K)	OSHA ID 121/125G		<0.01	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		<0.01	mg/m3
Thallium (Tl)	OSHA ID 121/125G		0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		0.25	mg/m3

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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/21/01		10/23/01		10/23/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/21/01 7:40 PM	01100404-005	AIR/GAS	ATLANTIC AVE. & SMITH ST., BROOKLYN	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.07	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		0.04	mg/m3
Iron (Fe)	OSHA ID 121/125G		0.22	mg/m3
Lead (Pb)	OSHA ID 121/125G		<0.01	mg/m3
Magnesium (Mg)	OSHA ID 121/125G		0.96	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		0.15	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		1.65	mg/m3
Thallium (Tl)	OSHA ID 121/125G		0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		0.05	mg/m3

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10/21/01		10/23/01		10/23/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/21/01 8:30 PM	01100404-006	AIR/GAS	BAY ST & VICTORY BLVD., STATEN ISLAND	
PARAMETER		METHOD	RESULT	UNITS
Aluminum (Al)		OSHA ID 121/125G	0.02	mg/m3
Antimony (Sb)		OSHA ID 121/125G	0.09	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	0.03	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	0.01	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

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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/21/01		10/23/01		10/23/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/21/01 6:58 PM	01100404-007	AIR/GAS	BERRY & N 11th ST/DUPLICATE	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.02	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		0.05	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		0.02	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		0.30	mg/m3

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