

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: 01100327

PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/17/01		10/19/01		10/19/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/16/01 6:45 PM	01100327-001	AIR/GAS	BROADWAY AVE & 31st ST., QUEENS	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.03	mg/m3
Antimony (Sb)	OSHA ID 121/125G		0.21	mg/m3
Arsenic (As)	OSHA ID 121/125G		0.22	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		1.67	mg/m3
Chromium (Cr)	OSHA ID 121/125G		0.05	mg/m3
Copper (Cu)	OSHA ID 121/125G		0.10	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		0.03	mg/m3
Mercury (Hg)	OSHA ID 121/245.5		<0.01	mg/m3
Nickel (Ni)	OSHA ID 121/125G		0.06	mg/m3
Potassium (K)	OSHA ID 121/125G		0.04	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		2.34	mg/m3
Thallium (Tl)	OSHA ID 121/125G		<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		0.03	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

SUPPLEMENTAL II

CITY_21MC100_002835174

CALCULATION FOR OSHA ID121/125G-- METALS IN AIR VIA CASSETTE FILTER (37MM MILLIPORE) & MOBILE VACUUM PUMPS

A= Concentration of Analyte in sample solution (µg/ml) or (mg/L)
B=Concentration of Blank in sample solution (µg/ml) or (mg/L)
SSV= Sample Solution Volume ASSV= Analyte concentration x Sample Solution Volume
BSV=Blank Sample Volume BBSV=Blank concentration x Blank Sample Volume
RAB= Reagent Blank Concentration (µg/ml) or (mg/L)
RABSV= Reagent Blank Sample Volume
D= Dilution Factor (NONE)
NO GRAVIMETRIC FACTORS
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m³ (rounded off to 3-sigma)

$$AR = \frac{(A \times SSV) - (B \times BSV)}{AV}$$

For the Trip Blank Analytical Value:

$$AR = \frac{(B \times BSV) - (RAB \times RABSV)}{AV}$$

A (mg/L)	SSV (mL)	A x SSV = ASSV	B (mg/L)	BSV (mL)	B x BSV = BBSV	ASSV - BBSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m ³
0.114	100	11.4	0.106	100	10.6	0.8	30	0.0266667	Aluminum-Al	0.03
0.107	100	10.7	0.043	100	4.3	6.4	30	0.2133333	Antimony-Sb	0.21
0.087	100	8.7	0.022	100	2.2	6.5	30	0.2166667	Arsenic-As	0.22
0.002	100	0.2	0.002	100	0.2	0	30	0	Barium-Ba	<0.01
0.002	100	0.2	0.001	100	0.1	0.1	30	0.0033333	Beryllium-Be	<0.01
0.003	100	0.3	0.001	100	0.1	0.2	30	0.0066667	Cadmium-Cd	<0.01
0.865	100	86.5	0.364	100	36.4	50.1	30	1.67	Calcium-Ca	1.67
0.03	100	3	0.015	100	1.5	1.5	30	0.05	Chromium-Cr	0.05
0.033	100	3.3	0.004	100	0.4	2.9	30	0.0966667	Copper-Cu	0.1
0.085	100	8.5	0.186	100	18.6	-10.1	30	-0.3366667	Iron-Fe	<0.01
0.01	100	1	0.022	100	2.2	-1.2	30	-0.04	Lead-Pb	<0.01
0.055	100	5.5	0.068	100	6.8	-1.3	30	-0.0433333	Magnesium-Mg	<0.01
0.087	100	8.7	0.079	100	7.9	0.8	30	0.0266667	Manganese-Mn	0.03
	100			100			30		Mercury-Hg	<0.01
0.022	100	2.2	0.003	100	0.3	1.9	30	0.0633333	Nickel-Ni	0.06
0.155	100	15.5	0.143	100	14.3	1.2	30	0.04	Potassium-K	0.04
0.081	100	8.1	0.031	100	3.1	5	30	0.1666667	Selenium-Se	0.2
0	100	0	0.0001	100	0.01	-0.01	30	-0.0003333	Silver-Ag	<0.01
2.206	100	220.6	1.504	100	150.4	70.2	30	2.34	Sodium-Na	2.34
0	100	0	-0.001	100	-0.1	0.1	30	0.0033333	Thallium-Tl	<0.01
0.035	100	3.5	0.025	100	2.5	1	30	0.0333333	Zinc-Zn	0.03

LAB ID #01100327-001

NYCDEP - BROADWAY & 31ST QUEENS

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: 01100327 PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling
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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/17/01		10/19/01		10/19/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/16/01 6:25 PM	01100327-002	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		0.05	mg/m3
Arsenic (As)	OSHA ID 121/125G		0.16	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		0.12	mg/m3
Chromium (Cr)	OSHA ID 121/125G		0.01	mg/m3
Copper (Cu)	OSHA ID 121/125G		0.02	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		0.31	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		0.17	mg/m3
Selenium (Se)	OSHA ID 121/125G		0.22	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		0.02	mg/m3
Zinc (Zn)	OSHA ID 121/125G		<0.01	mg/m3

John Pedneault
Lab Director

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

SUPPLEMENTAL II

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NYS ELAP #10224
MWBE #46075

CITY_21MC100_002835176

CALCULATION FOR OSHA ID121/125G-- METALS IN AIR VIA CASSETTE FILTER (37MM MILLIPORE) & MOBILE VACUUM PUMPS

A= Concentration of Analyte in sample solution (µg/ml) or (mg/L)
B=Concentration of Blank in sample solution (µg/ml) or (mg/L)
SSV= Sample Solution Volume ASSV= Analyte concentration x Sample Solution Volume
BSV=Blank Sample Volume BBSV=Blank concentration x Blank Sample Volume
RAB= Reagent Blank Concentration (µg/ml) or (mg/L)
RABSV= Reagent Blank Sample Volume
D= Dilution Factor (NONE)
NO GRAVIMETRIC FACTORS
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m³ (rounded off to 3-sigma)

$$AR = \frac{(A \times SSV) - (B \times BSV)}{AV}$$

For the Trip Blank Analytical Value:

$$AR = \frac{(B \times BSV) - (RAB \times RABSV)}{AV}$$

A (mg/L)	SSV (mL)	A x SSV = ASSV	B (mg/L)	BSV (mL)	B x BSV = BBSV	ASSV - BBSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m ³
0.098	100	9.8	0.106	100	10.6	-0.8	30	-0.0266667	Aluminum- Al	<0.01
0.058	100	5.8	0.043	100	4.3	1.5	30	0.05	Antimony-Sb	0.05
0.071	100	7.1	0.022	100	2.2	4.9	30	0.1633333	Arsenic-As	0.16
0.002	100	0.2	0.002	100	0.2	0	30	0	Barium-Ba	<0.01
0.002	100	0.2	0.001	100	0.1	0.1	30	0.0033333	Beryllium-Be	<0.01
0.002	100	0.2	0.001	100	0.1	0.1	30	0.0033333	Cadmium-Cd	<0.01
0.4	100	40	0.364	100	36.4	3.6	30	0.12	Calcium-Ca	0.12
0.019	100	1.9	0.015	100	1.5	0.4	30	0.0133333	Chromium-Cr	0.01
0.011	100	1.1	0.004	100	0.4	0.7	30	0.0233333	Copper-Cu	0.02
0.092	100	9.2	0.186	100	18.6	-9.4	30	-0.3133333	Iron-Fe	<0.01
0.011	100	1.1	0.022	100	2.2	-1.1	30	-0.0366667	Lead-Pb	<0.01
0.061	100	6.1	0.068	100	6.8	-0.7	30	-0.0233333	Magnesium-Mg	<0.01
0.172	100	17.2	0.079	100	7.9	9.3	30	0.31	Manganese-Mn	0.31
	100			100			30		Mercury-Hg	<0.01
0.001	100	0.1	0.003	100	0.3	-0.2	30	-0.0066667	Nickel-Ni	<0.01
0.195	100	19.5	0.143	100	14.3	5.2	30	0.1733333	Potassium-K	0.17
0.098	100	9.8	0.031	100	3.1	6.7	30	0.2233333	Selenium-Se	0.22
0.001	100	0.1	0.0001	100	0.01	0.09	30	0.003	Silver-Ag	<0.01
1.487	100	148.7	1.504	100	150.4	-1.7	30	-0.0566667	Sodium-Na	<0.01
0.004	100	0.4	-0.001	100	-0.1	0.5	30	0.0166667	Thallium-Tl	0.02
0.024	100	2.4	0.025	100	2.5	-0.1	30	-0.0033333	Zinc-Zn	<0.01

LAB ID #01100327-002

NYCDEP - 138TH & 3RD AVENUE BRONX

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 NYCDEP-Emergency Response & Tech Assmt.
 96-05 Horace Harding Expressway
 Corona, NY 11368
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MR. M. FAWZY, DIRECTOR

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

LAB NUMBER: 01100327

PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/17/01		10/19/01		10/19/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/16/01 7:55 PM	01100327-003	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		0.02	mg/m3
Arsenic (As)	OSHA ID 121/125G		0.08	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		0.41	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		<0.01	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		0.08	mg/m3
Silver (Ag)	OSHA ID 121/125G		<0.01	mg/m3
Sodium (Na)	OSHA ID 121/125G		0.53	mg/m3
Thallium (Tl)	OSHA ID 121/125G		0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		0.04	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

SUPPLEMENTAL II

CALCULATION FOR OSHA ID121/125G-- METALS IN AIR VIA CASSETTE FILTER (37MM MILLIPORE) & MOBILE VACUUM PUMPS

A= Concentration of Analyte in sample solution (µg/ml) or (mg/L)
B=Concentration of Blank in sample solution (µg/ml) or (mg/L)
SSV= Sample Solution Volume ASSV= Analyte concentration x Sample Solution Volume
BSV=Blank Sample Volume BBSV=Blank concentration x Blank Sample Volume
RAB= Reagent Blank Concentration (µg/ml) or (mg/L)
RABSV= Reagent Blank Sample Volume
D= Dilution Factor (NONE)
NO GRAVIMETRIC FACTORS
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m³ (rounded off to 3-sigma)

$$AR = \frac{(A \times SSV) - (B \times BSV)}{AV}$$

For the Trip Blank Analytical Value:
$$AR = \frac{(B \times BSV) - (RAB \times RABSV)}{AV}$$

A (mg/L)	SSV (mL)	A x SSV = ASSV	B (mg/L)	BSV (mL)	B x BSV = BBSV	ASSV - BBSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m ³
0.104	100	10.4	0.106	100	10.6	-0.2	30	-0.0066667	Aluminum-Al	<0.01
0.049	100	4.9	0.043	100	4.3	0.6	30	0.02	Antimony-Sb	0.02
0.046	100	4.6	0.022	100	2.2	2.4	30	0.08	Arsenic-As	0.08
0.002	100	0.2	0.002	100	0.2	0	30	0	Barium-Ba	<0.01
0.002	100	0.2	0.001	100	0.1	0.1	30	0.0033333	Beryllium-Be	<0.01
0.001	100	0.1	0.001	100	0.1	0	30	0	Cadmium-Cd	<0.01
0.488	100	48.8	0.364	100	36.4	12.4	30	0.4133333	Calcium-Ca	0.41
0.015	100	1.5	0.015	100	1.5	0	30	0	Chromium-Cr	<0.01
0.008	100	0.8	0.004	100	0.4	0.4	30	0.0133333	Copper-Cu	0.01
0.058	100	5.8	0.186	100	18.6	-12.8	30	-0.4266667	Iron-Fe	<0.01
0.001	100	0.1	0.022	100	2.2	-2.1	30	-0.07	Lead-Pb	<0.01
0.067	100	6.7	0.068	100	6.8	-0.1	30	-0.0033333	Magnesium-Mg	<0.01
0.069	100	6.9	0.079	100	7.9	-1	30	-0.0333333	Manganese-Mn	<0.01
	100			100			30		Mercury-Hg	<0.01
0.002	100	0.2	0.003	100	0.3	-0.1	30	-0.0033333	Nickel-Ni	<0.01
0.142	100	14.2	0.143	100	14.3	-0.1	30	-0.0033333	Potassium-K	<0.01
0.054	100	5.4	0.031	100	3.1	2.3	30	0.0766667	Selenium-Se	0.08
0	100	0	0.0001	100	0.01	-0.01	30	-0.0003333	Silver-Ag	<0.01
1.662	100	166.2	1.504	100	150.4	15.8	30	0.5266667	Sodium-Na	0.53
0.003	100	0.3	-0.001	100	-0.1	0.4	30	0.0133333	Thallium-Tl	0.01
0.037	100	3.7	0.025	100	2.5	1.2	30	0.04	Zinc-Zn	0.04

LAB ID #01100327-003

NYCDEP - CENTRAL PK NO & LENOX-NYC

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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: 01100327

PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/17/01		10/19/01		10/19/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/16/01 8:55 PM	01100327-004	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		<0.01	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		0.14	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		0.14	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		0.06	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

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

SUPPLEMENTAL II

CITY_21MC100_002835180

CALCULATION FOR OSHA ID121/125G-- METALS IN AIR VIA CASSETTE FILTER (37MM MILLIPORE) & MOBILE VACUUM PUMPS

A= Concentration of Analyte in sample solution (µg/ml) or (mg/L)

B=Concentration of Blank in sample solution (µg/ml) or (mg/L)

SSV= Sample Solution Volume ASSV= Analyte concentration x Sample Solution Volume

BSV=Blank Sample Volume BBSV=Blank concentration x Blank Sample Volume

RAB= Reagent Blank Concentration (µg/ml) or (mg/L)

RABSV= Reagent Blank Sample Volume

D= Dilution Factor (NONE)

NO GRAVIMETRIC FACTORS

AV= Air Volume Sampled

AR=Analytical Result

ARR=Analytical Reportable Result in mg/m³ (rounded off to 3-sigma)

$$AR = \frac{(A \times SSV) - (B \times BSV)}{AV}$$

For the Trip Blank Analytical Value:

$$AR = \frac{(B \times BSV) - (RAB \times RABSV)}{AV}$$

A (mg/L)	SSV (mL)	A x SSV = ASSV	B (mg/L)	BSV (mL)	B x BSV = BBSV	ASSV - BBSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m ³
0.087	100	8.7	0.106	100	10.6	-1.9	30	-0.0633333	Aluminum- Al	<0.01
0.017	100	1.7	0.043	100	4.3	-2.6	30	-0.0866667	Antimony-Sb	<0.01
0.023	100	2.3	0.022	100	2.2	0.1	30	0.0033333	Arsenic-As	<0.01
0.002	100	0.2	0.002	100	0.2	0	30	0	Barium-Ba	<0.01
0.001	100	0.1	0.001	100	0.1	0	30	0	Beryllium-Be	<0.01
0.001	100	0.1	0.001	100	0.1	0	30	0	Cadmium-Cd	<0.01
0.406	100	40.6	0.364	100	36.4	4.2	30	0.14	Calcium-Ca	0.14
0.012	100	1.2	0.015	100	1.5	-0.3	30	-0.01	Chromium-Cr	<0.01
0.004	100	0.4	0.004	100	0.4	0	30	0	Copper-Cu	<0.01
0.058	100	5.8	0.186	100	18.6	-12.8	30	-0.4266667	Iron-Fe	<0.01
0	100	0	0.022	100	2.2	-2.2	30	-0.0733333	Lead-Pb	<0.01
0.062	100	6.2	0.068	100	6.8	-0.6	30	-0.02	Magnesium-Mg	<0.01
0.121	100	12.1	0.079	100	7.9	4.2	30	0.14	Manganese-Mn	0.14
	100			100			30		Mercury-Hg	<0.01
0.001	100	0.1	0.003	100	0.3	-0.2	30	-0.0066667	Nickel-Ni	<0.01
0.162	100	16.2	0.143	100	14.3	1.9	30	0.0633333	Potassium-K	0.06
0.031	100	3.1	0.031	100	3.1	0	30	0	Selenium-Se	<0.01
0	100	0	0.0001	100	0.01	-0.01	30	-0.0003333	Silver-Ag	<0.01
1.475	100	147.5	1.504	100	150.4	-2.9	30	-0.0966667	Sodium-Na	<0.01
-0.003	100	-0.3	-0.001	100	-0.1	-0.2	30	-0.0066667	Thallium-Tl	<0.01
0.026	100	2.6	0.025	100	2.5	0.1	30	0.0033333	Zinc-Zn	<0.01

LAB ID #01100327-004

NYCDEP - BERRY & NORTH BROOKLYN

c:/JEM FILES/NYCDEP-HAZMAT/m01100327.xls

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: 01100327

PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/17/01		10/19/01		10/19/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/16/01 9:35 PM	01100327-005	AIR/GAS	ATLANTIC AVE. & SMITH ST., BROOKLYN	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.06	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		0.20	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		0.10	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		0.05	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		0.06	mg/m3

John Pedneault
 Lab Director

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

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 MWBE #46075

SUPPLEMENTAL II

CITY_21MC100_002835182

CALCULATION FOR OSHA ID121/125G-- METALS IN AIR VIA CASSETTE FILTER (37MM MILLIPORE) & MOBILE VACUUM PUMPS

A= Concentration of Analyte in sample solution (µg/ml) or (mg/L)
 B=Concentration of Blank in sample solution (µg/ml) or (mg/L)
 SSV= Sample Solution Volume ASSV= Analyte concentration x Sample Solution Volume
 BSV=Blank Sample Volume BBSV=Blank concentration x Blank Sample Volume
 RAB= Reagent Blank Concentration (µg/ml) or (mg/L)
 RABSV= Reagent Blank Sample Volume
 D= Dilution Factor (NONE)
 NO GRAVIMETRIC FACTORS
 AV= Air Volume Sampled
 AR=Analytical Result
 IARR=Analytical Reportable Result in mg/m³ (rounded off to 3-sigma)

$$AR = \frac{(A \times SSV) - (B \times BSV)}{AV}$$

For the Trip Blank Analytical Value:

$$AR = \frac{(B \times BSV) - (RAB \times RABSV)}{AV}$$

A (mg/L)	SSV (mL)	A x SSV = ASSV	B (mg/L)	BSV (mL)	B x BSV = BBSV	ASSV - BBSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m ³
0.125	100	12.5	0.106	100	10.6	1.9	30	0.0633333	Aluminum-Al	0.06
0.011	100	1.1	0.043	100	4.3	-3.2	30	-0.1066667	Antimony-Sb	<0.01
0.022	100	2.2	0.022	100	2.2	0	30	0	Arsenic-As	<0.01
0.002	100	0.2	0.002	100	0.2	0	30	0	Barium-Ba	<0.01
0.001	100	0.1	0.001	100	0.1	0	30	0	Beryllium-Be	<0.01
0.001	100	0.1	0.001	100	0.1	0	30	0	Cadmium-Cd	<0.01
0.423	100	42.3	0.364	100	36.4	5.9	30	0.1966667	Calcium-Ca	0.2
0.012	100	1.2	0.015	100	1.5	-0.3	30	-0.01	Chromium-Cr	<0.01
0.001	100	0.1	0.004	100	0.4	-0.3	30	-0.01	Copper-Cu	<0.01
0.215	100	21.5	0.186	100	18.6	2.9	30	0.0966667	Iron-Fe	0.1
0.001	100	0.1	0.022	100	2.2	-2.1	30	-0.07	Lead-Pb	<0.01
0.054	100	5.4	0.068	100	6.8	-1.4	30	-0.0466667	Magnesium-Mg	<0.01
0.067	100	6.7	0.079	100	7.9	-1.2	30	-0.04	Manganese-Mn	<0.01
	100			100			30		Mercury-Hg	<0.01
0.003	100	0.3	0.003	100	0.3	0	30	0	Nickel-Ni	<0.01
0.157	100	15.7	0.143	100	14.3	1.4	30	0.0466667	Potassium-K	0.05
0.005	100	0.5	0.031	100	3.1	-2.6	30	-0.0866667	Selenium-Se	<0.01
0	100	0	0.0001	100	0.01	-0.01	30	-0.0003333	Silver-Ag	<0.01
1.463	100	146.3	1.504	100	150.4	-4.1	30	-0.1366667	Sodium-Na	<0.01
-0.005	100	-0.5	-0.001	100	-0.1	-0.4	30	-0.0133333	Thallium-Tl	<0.01
0.042	100	4.2	0.025	100	2.5	1.7	30	0.0566667	Zinc-Zn	0.06

LAB ID #01100327-005

NYCDEP -ATLANTIC AV & SMITH STR. BROOKLYN

<p><i>Prepared Exclusively For:</i></p> <p>NYCDEP-Emergency Response & Tech Assmt.</p> <p>96-05 Horace Harding Expressway</p> <p>Corona, NY 11368</p> <p>(718) 595-4650</p> <p>MR. M. FAWZY, DIRECTOR</p>	<p>PEDNEAULT ASSOCIATES, INC.</p> <p>1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716</p> <p>LAB NUMBER: 01100327</p> <p>PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling</p>
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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/17/01		10/19/01		10/19/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/16/01 10:35 PM	01100327-006	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		<0.01	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		0.34	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		<0.01	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		0.04	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		0.19	mg/m3
Thallium (Tl)	OSHA ID 121/125G		0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		0.08	mg/m3

John Pedneault
Lab Director

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

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MWBE #46075

SUPPLEMENTAL II

CITY_21MC100_002835184

CALCULATION FOR OSHA ID121/125G-- METALS IN AIR VIA CASSETTE FILTER (37MM MILLIPORE) & MOBILE VACUUM PUMPS

A= Concentration of Analyte in sample solution (µg/ml) or (mg/L)
B=Concentration of Blank in sample solution (µg/ml) or (mg/L)
SSV= Sample Solution Volume ASSV= Analyte concentration x Sample Solution Volume
BSV=Blank Sample Volume BBSV=Blank concentration x Blank Sample Volume
RAB= Reagent Blank Concentration (µg/ml) or (mg/L)
RABSV= Reagent Blank Sample Volume
D= Dilution Factor (NONE)
NO GRAVIMETRIC FACTORS
IAV= Air Volume Sampled
IAR=Analytical Result
IARR=Analytical Reportable Result in mg/m³ (rounded off to 3-sigma)

$$AR = \frac{(A \times SSV) - (B \times BSV)}{AV}$$

For the Trip Blank Analytical Value:
 $AR = \frac{(B \times BSV) - (RAB \times RABSV)}{AV}$

A (mg/L)	SSV (mL)	A x SSV = ASSV	B (mg/L)	BSV (mL)	B x BSV = BBSV	ASSV -BBSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m ³
0.11	100	11	0.106	100	10.6	0.4	30	0.0133333	Aluminum- Al	0.01
0.022	100	2.2	0.043	100	4.3	-2.1	30	-0.07	Antimony-Sb	<0.01
0.023	100	2.3	0.022	100	2.2	0.1	30	0.0033333	Arsenic-As	<0.01
0.002	100	0.2	0.002	100	0.2	0	30	0	Barium-Ba	<0.01
0.002	100	0.2	0.001	100	0.1	0.1	30	0.0033333	Beryllium-Be	<0.01
0.001	100	0.1	0.001	100	0.1	0	30	0	Cadmium-Cd	<0.01
0.467	100	46.7	0.364	100	36.4	10.3	30	0.3433333	Calcium-Ca	0.34
0.017	100	1.7	0.015	100	1.5	0.2	30	0.0066667	Chromium-Cr	<0.01
0.002	100	0.2	0.004	100	0.4	-0.2	30	-0.0066667	Copper-Cu	<0.01
0.095	100	9.5	0.186	100	18.6	-9.1	30	-0.3033333	Iron-Fe	<0.01
0.001	100	0.1	0.022	100	2.2	-2.1	30	-0.07	Lead-Pb	<0.01
0.069	100	6.9	0.068	100	6.8	0.1	30	0.0033333	Magnesium-Mg	<0.01
0.07	100	7	0.079	100	7.9	-0.9	30	-0.03	Manganese-Mn	<0.01
	100			100			30		Mercury-Hg	<0.01
0.001	100	0.1	0.003	100	0.3	-0.2	30	-0.0066667	Nickel-Ni	<0.01
0.155	100	15.5	0.143	100	14.3	1.2	30	0.04	Potassium-K	0.04
0.024	100	2.4	0.031	100	3.1	-0.7	30	-0.0233333	Selenium-Se	<0.01
0	100	0	0.0001	100	0.01	-0.01	30	-0.0003333	Silver-Ag	<0.01
1.56	100	156	1.504	100	150.4	5.6	30	0.1866667	Sodium-Na	0.19
0.003	100	0.3	-0.001	100	-0.1	0.4	30	0.0133333	Thallium-Tl	0.01
0.05	100	5	0.025	100	2.5	2.5	30	0.0833333	Zinc-Zn	0.08

LAB ID #01100327-006

NYCDEP - BAY STR & VICTORY BLVD. SI

c:/JEM FILES/NYCDEP-HAZMAT/m01100327.xls

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: 01100327
PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

DATE RECEIVED		RELEASE DATE		REPORT DATE
10/17/01		10/19/01		10/19/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/16/01 5:00 PM	01100327-007	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		0.21	mg/m3
Lead (Pb)	OSHA ID 121/125G		0.06	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		0.15	mg/m3
Thallium (Tl)	OSHA ID 121/125G		<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		<0.01	mg/m3

John Pedneault
Lab Director

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

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 MWBE #46075

SUPPLEMENTAL II

CITY_21MC100_002835186

CALCULATION FOR OSHA ID121/125G-- METALS IN AIR VIA CASSETTE FILTER (37MM MILLIPORE) & MOBILE VACUUM PUMPS

A= Concentration of Analyte in sample solution (µg/ml) or (mg/L)

B=Concentration of Blank in sample solution (µg/ml) or (mg/L)

SSV= Sample Solution Volume

ASSV= Analyte concentration x Sample Solution Volume

BSV=Blank Sample Volume

BBSV=Blank concentration x Blank Sample Volume

RAB= Reagent Blank Concentration (µg/ml) or (mg/L)

RABSV= Reagent Blank Sample Volume

D= Dilution Factor (NONE)

NO GRAVIMETRIC FACTORS

TB= TRIP/FIELD BLANK

AV= Air Volume Sampled

AR=Analytical Result

ARR=Analytical Reportable Result in mg/m³ (rounded off to 3-sigma)

$$AR = \frac{(A \times SSV) - (B \times BSV)}{AV}$$

For the Trip Blank Analytical Value:

$$AR = \frac{(B \times BSV) - (RAB \times RABSV)}{AV}$$

TB (mg/L)	BSV (mL)	TB x TBSV = BBSV	RAB (mg/L)	RABSV (mL)	RAB x RABSV = RABBSV	TB-RAB = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m ³
0.106	100	10.6	0.125	100	12.5	-1.9	30	-0.0633333	Aluminum- Al	<0.01
0.043	100	4.3	0.075	100	7.5	-3.2	30	-0.1066667	Antimony-Sb	<0.01
0.022	100	2.2	0.051	100	5.1	-2.9	30	-0.0966667	Arsenic-As	<0.01
0.002	100	0.2	0.002	100	0.2	0	30	0	Barium-Ba	<0.01
0.001	100	0.1	0.002	100	0.2	-0.1	30	-0.0033333	Beryllium-Be	<0.01
0.001	100	0.1	0.002	100	0.2	-0.1	30	-0.0033333	Cadmium-Cd	<0.01
0.364	100	36.4	0.42	100	42	-5.6	30	-0.1866667	Calcium-Ca	<0.01
0.015	100	1.5	0.016	100	1.6	-0.1	30	-0.0033333	Chromium-Cr	<0.01
0.004	100	0.4	0.006	100	0.6	-0.2	30	-0.0066667	Copper-Cu	<0.01
0.186	100	18.6	0.122	100	12.2	6.4	30	0.2133333	Iron-Fe	0.21
0.022	100	2.2	0.005	100	0.5	1.7	30	0.0566667	Lead-Pb	0.06
0.068	100	6.8	0.072	100	7.2	-0.4	30	-0.0133333	Magnesium-Mg	<0.01
0.079	100	7.9	0.068	100	6.8	1.1	30	0.0366667	Manganese-Mn	0.04
	100			100			30		Mercury-Hg	<0.01
0.003	100	0.3	0.005	100	0.5	-0.2	30	-0.0066667	Nickel-Ni	<0.01
0.143	100	14.3	0.194	100	19.4	-5.1	30	-0.17	Potassium-K	<0.01
0.031	100	3.1	0.065	100	6.5	-3.4	30	-0.1133333	Selenium-Se	<0.01
0.0001	100	0.01	0	100	0	0.01	30	0.0003333	Silver-Ag	<0.01
1.504	100	150.4	1.46	100	146	4.4	30	0.1466667	Sodium-Na	0.15
-0.001	100	-0.1	-0.001	100	-0.1	0	30	0	Thallium-Tl	<0.01
0.025	100	2.5	0.158	100	15.8	-13.3	30	-0.4433333	Zinc-Zn	<0.01

LAB ID #01100327-007

NYCDEP - TRIP/FIELD BLANK

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: 01100327 PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling
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DATE RECEIVED		RELEASE DATE		REPORT DATE
10/17/01		10/19/01		10/19/01
COLLECT DATE:	SAMPLE ID#:	MATRIX:	SAMPLE ORIGIN:	
10/16/01 9:35 PM	01100327-008	AIR\GAS	DUP/ATLANTIC AVE. & SMITH ST., BROOKLYN	
PARAMETER	METHOD		RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G		0.09	mg/m3
Antimony (Sb)	OSHA ID 121/125G		0.44	mg/m3
Arsenic (As)	OSHA ID 121/125G		0.33	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		0.51	mg/m3
Chromium (Cr)	OSHA ID 121/125G		0.05	mg/m3
Copper (Cu)	OSHA ID 121/125G		0.05	mg/m3
Iron (Fe)	OSHA ID 121/125G		1.13	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		0.05	mg/m3
Mercury (Hg)	OSHA ID 121/245.5		<0.01	mg/m3
Nickel (Ni)	OSHA ID 121/125G		0.02	mg/m3
Potassium (K)	OSHA ID 121/125G		0.32	mg/m3
Selenium (Se)	OSHA ID 121/125G		0.35	mg/m3
Silver (Ag)	OSHA ID 121/125G		0.05	mg/m3
Sodium (Na)	OSHA ID 121/125G		1.20	mg/m3
Thallium (Tl)	OSHA ID 121/125G		<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G		0.27	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

SUPPLEMENTAL II

CITY_21MC100_002835188

CALCULATION FOR OSHA ID121/125G-- METALS IN AIR VIA CASSETTE FILTER (37MM MILLIPORE) & MOBILE VACUUM PUMPS

A= Concentration of Analyte in sample solution (µg/ml) or (mg/L)
 B=Concentration of Blank in sample solution (µg/ml) or (mg/L)
 SSV= Sample Solution Volume ASSV= Analyte concentration x Sample Solution Volume
 BSV=Blank Sample Volume BBSV=Blank concentration x Blank Sample Volume
 RAB= Reagent Blank Concentration (µg/ml) or (mg/L)
 RABSV= Reagent Blank Sample Volume
 D= Dilution Factor (NONE)
 NO GRAVIMETRIC FACTORS TB= TRIP/FIELD BLANK
 AV= Air Volume Sampled
 AR=Analytical Result
 ARR=Analytical Reportable Result in mg/m³ (rounded off to 3-sigma)

$$AR = \frac{(A \times SSV) - (B \times BSV)}{AV}$$

For the Trip Blank Analytical Value:

$$AR = \frac{(B \times BSV) - (RAB \times RABSV)}{AV}$$

A (mg/L)	SSV (mL)	A x SSV = ASSV	B (mg/L)	BSV (mL)	B x BSV = BBSV	ASSV - BBSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m ³
0.134	100	13.4	0.106	100	10.6	2.8	30	0.0933333	Aluminum- Al	0.09
0.176	100	17.6	0.043	100	4.3	13.3	30	0.4433333	Antimony-Sb	0.44
0.121	100	12.1	0.022	100	2.2	9.9	30	0.33	Arsenic-As	0.33
0.002	100	0.2	0.002	100	0.2	0	30	0	Barium-Ba	<0.01
0.003	100	0.3	0.001	100	0.1	0.2	30	0.0066667	Beryllium-Be	<0.01
0.003	100	0.3	0.001	100	0.1	0.2	30	0.0066667	Cadmium-Cd	<0.01
0.516	100	51.6	0.364	100	36.4	15.2	30	0.5066667	Calcium-Ca	0.51
0.03	100	3	0.015	100	1.5	1.5	30	0.05	Chromium-Cr	0.05
0.018	100	1.8	0.004	100	0.4	1.4	30	0.0466667	Copper-Cu	0.05
0.524	100	52.4	0.186	100	18.6	33.8	30	1.1266667	Iron-Fe	1.13
0.016	100	1.6	0.022	100	2.2	-0.6	30	-0.02	Lead-Pb	<0.01
0.065	100	6.5	0.068	100	6.8	-0.3	30	-0.01	Magnesium-Mg	<0.01
0.093	100	9.3	0.079	100	7.9	1.4	30	0.0466667	Manganese-Mn	0.05
	100			100			30		Mercury-Hg	<0.01
0.009	100	0.9	0.003	100	0.3	0.6	30	0.02	Nickel-Ni	0.02
0.239	100	23.9	0.143	100	14.3	9.6	30	0.32	Potassium-K	0.32
0.135	100	13.5	0.031	100	3.1	10.4	30	0.3466667	Selenium-Se	0.35
0.016	100	1.6	0.0001	100	0.01	1.59	30	0.053	Silver-Ag	0.05
1.865	100	186.5	1.504	100	150.4	36.1	30	1.2033333	Sodium-Na	1.2
-0.004	100	-0.4	-0.001	100	-0.1	-0.3	30	-0.01	Thallium-Tl	<0.01
0.107	100	10.7	0.025	100	2.5	8.2	30	0.2733333	Zinc-Zn	0.27

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