NYC 9/11 Public Portal Document

Prepared Exclusively For:	*PEDNEAULT ASSOCIATES, INC.*
NYCDEP-Emergency Response & Tech Assmt.	*1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716*
96-05 Horace Harding Expressway	**LAB NUMBER:** 01100404
Corona , NY 11368	**PROJECT ID :** WORLD TRADE CENTER- 5 Boro Sampling
(718) 595-4650	
MR. M. FAWZY, DIRECTOR	

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	0.31	mg/m3
Antimony (Sb)	OSHA ID 121/125G	0.86	mg/m3
Arsenic (As)	OSHA ID 121/125G	0.47	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	1.06	mg/m3
Lead (Pb)	OSHA ID 121/125G	1.93	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	0.02	mg/m3
Potassium (K)	OSHA ID 121/125G	<0.01	mg/m3
Selenium (Se)	OSHA ID 121/125G	0.43	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	0.16	mg/m3

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

SUPPLEMENTAL II

CITY_21MC100_002851130

NYC-WTC_000368043

NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.
631-467-8477

NYCDEP - WTC
5-BORO SAMPLING
METALS IN AIR

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 GRAVIMETIC FACTORS
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m^3 (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-BSSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m^3
0.17	100	17	0.077	100	7.7	9.3	30	0.31	Aluminum- Al	**0.31**
0.302	100	30.2	0.044	100	4.4	25.8	30	0.86	Antimony-Sb	**0.86**
0.133	100	13.3	-0.009	100	-0.9	14.2	30	0.4733333	Arsenic-As	**0.47**
0.006	100	0.6	0.004	100	0.4	0.2	30	0.0066667	Barium-Ba	**<0.01**
0.003	100	0.3	0	100	0	0.3	30	0.01	Beryllium-Be	**0.01**
0.006	100	0.6	0.002	100	0.2	0.4	30	0.0133333	Cadmium-Cd	**0.01**
8.181	100	818.1	11.108	100	1110.8	-292.7	30	-9.7566667	Calcium-Ca	**<0.01**
0.021	100	2.1	0.016	100	1.6	0.5	30	0.0166667	Chromium-Cr	**0.02**
0.021	100	2.1	0.008	100	0.8	1.3	30	0.0433333	Copper-Cu	**0.04**
0.395	100	39.5	0.077	100	7.7	31.8	30	1.06	Iron-Fe	**1.06**
0.586	100	58.6	0.008	100	0.8	57.8	30	1.9266667	Lead-Pb	**1.93**
2.516	100	251.6	3.614	100	361.4	-109.8	30	-3.66	Magnesium-Mg	**<0.01**
0.038	100	3.8	0.028	100	2.8	1	30	0.0333333	Manganese-Mn	**0.03**
	100			100			30		Mercury-Hg	**<0.01**
0.008	100	0.8	0.002	100	0.2	0.6	30	0.02	Nickel-NI	**0.02**
0.522	100	52.2	0.57	100	57	-4.8	30	-0.16	Potassium-K	**<0.01**
0.194	100	19.4	0.064	100	6.4	13	30	0.4333333	Selenium-Se	**0.43**
0	100	0	0	100	0	0	30	0	Silver-Ag	**<0.01**
6.549	100	654.9	7.616	100	761.6	-106.7	30	-3.5566667	Sodium-Na	**<0.01**
0.001	100	0.1	0.008	100	0.8	-0.7	30	-0.0233333	Thallium-Tl	**<0.01**
0.088	100	8.8	0.039	100	3.9	4.9	30	0.1633333	Zinc-Zn	**0.16**

LAB ID #01100404-001

NYCDEP - BROADWAY & 31ST QUEENS

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CITY_21MC100_002851131

NYC-WTC_000368044

NYC 9/11 Public Portal Document

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 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	0.16	mg/m3
Arsenic (As)	OSHA ID 121/125G	0.10	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	0.23	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	0.02	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.

NYS ELAP #10224
MWBE #46075

SUPPLEMENTAL II

NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.
631-467-8477

NYCDEP - WTC
5-BORO SAMPLING
METALS IN AIR

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 GRAVIMETIC FACTORS
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m^3 (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 -BSSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m^3
0.089	100	8.9	0.077	100	7.7	1.2	30	0.04	Aluminum- Al	**0.04**
0.092	100	9.2	0.044	100	4.4	4.8	30	0.16	Antimony-Sb	**0.16**
0.02	100	2	-0.009	100	-0.9	2.9	30	0.0966667	Arsenic-As	**0.1**
0.004	100	0.4	0.004	100	0.4	0	30	0	Barium-Ba	**<0.01**
0.001	100	0.1	0	100	0	0.1	30	0.0033333	Beryllium-Be	**<0.01**
0.002	100	0.2	0.002	100	0.2	0	30	0	Cadmium-Cd	**<0.01**
10	100	1000	11.108	100	1110.8	-110.8	30	-3.6933333	Calcium-Ca	**<0.01**
0.015	100	1.5	0.016	100	1.6	-0.1	30	-0.0033333	Chromium-Cr	**<0.01**
0.024	100	2.4	0.008	100	0.8	1.6	30	0.0533333	Copper-Cu	**0.05**
0.147	100	14.7	0.077	100	7.7	7	30	0.2333333	Iron-Fe	**0.23**
0.014	100	1.4	0.008	100	0.8	0.6	30	0.02	Lead-Pb	**0.02**
3.117	100	311.7	3.614	100	361.4	-49.7	30	-1.6566667	Magnesium-Mg	**<0.01**
0.035	100	3.5	0.028	100	2.8	0.7	30	0.0233333	Manganese-Mn	**0.02**
	100			100			30		Mercury-Hg	**<0.01**
0.003	100	0.3	0.002	100	0.2	0.1	30	0.0033333	Nickel-NI	**<0.01**
0.556	100	55.6	0.57	100	57	-1.4	30	-0.0466667	Potassium-K	**<0.01**
0.089	100	8.9	0.064	100	6.4	2.5	30	0.0833333	Selenium-Se	**0.08**
0	100	0	0	100	0	0	30	0	Silver-Ag	**<0.01**
6.483	100	648.3	7.616	100	761.6	-113.3	30	-3.7766667	Sodium-Na	**<0.01**
0.006	100	0.6	0.008	100	0.8	-0.2	30	-0.0066667	Thallium-Tl	**0.02**
0.058	100	5.8	0.039	100	3.9	1.9	30	0.0633333	Zinc-Zn	**0.06**

LAB ID #01100404-002

NYCDEP - 138TH & 3RD AVENUE BRONX

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CITY_21MC100_002851133

NYC-WTC_000368046

NYC 9/11 Public Portal Document

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 5:45 PM	01100404-003	AIR\GAS	CENTRAL PARK N. & LENOX , MANHATTAN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G	0.55	mg/m3
Antimony (Sb)	OSHA ID 121/125G	0.13	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	<0.01	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	0.14	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	0.20	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	0.46	mg/m3

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

SUPPLEMENTAL II

CITY_21MC100_002851134

NYC-WTC_000368047

NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.
631-467-8477

NYCDEP - WTC
5-BORO SAMPLING
METALS IN AIR

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 GRAVIMETIC FACTORS
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m^3 (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-BSSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m^3
0.243	100	24.3	0.077	100	7.7	16.6	30	0.5533333	Aluminum- Al	0.55
0.082	100	8.2	0.044	100	4.4	3.8	30	0.1266667	Antimony-Sb	0.13
0.039	100	3.9	-0.009	100	-0.9	4.8	30	0.16	Arsenic-As	0.16
0.005	100	0.5	0.004	100	0.4	0.1	30	0.0033333	Barium-Ba	<0.01
0.001	100	0.1	0	100	0	0.1	30	0.0033333	Beryllium-Be	<0.01
0.003	100	0.3	0.002	100	0.2	0.1	30	0.0033333	Cadmium-Cd	<0.01
8.516	100	851.6	11.108	100	1110.8	-259.2	30	-8.64	Calcium-Ca	<0.01
0.016	100	1.6	0.016	100	1.6	0	30	0	Chromium-Cr	<0.01
0.011	100	1.1	0.008	100	0.8	0.3	30	0.01	Copper-Cu	0.01
0.119	100	11.9	0.077	100	7.7	4.2	30	0.14	Iron-Fe	0.14
0.011	100	1.1	0.008	100	0.8	0.3	30	0.01	Lead-Pb	0.01
2.645	100	264.5	3.614	100	361.4	-96.9	30	-3.23	Magnesium-Mg	<0.01
0.033	100	3.3	0.028	100	2.8	0.5	30	0.0166667	Manganese-Mn	0.02
	100			100			30		Mercury-Hg	<0.01
0.004	100	0.4	0.002	100	0.2	0.2	30	0.0066667	Nickel-NI	<0.01
0.456	100	45.6	0.57	100	57	-11.4	30	-0.38	Potassium-K	<0.01
0.124	100	12.4	0.064	100	6.4	6	30	0.2	Selenium-Se	0.2
0.001	100	0.1	0	100	0	0.1	30	0.0033333	Silver-Ag	<0.01
7.015	100	701.5	7.616	100	761.6	-60.1	30	-2.0033333	Sodium-Na	<0.01
0.006	100	0.6	0.008	100	0.8	-0.2	30	-0.0066667	Thallium-Tl	<0.01
0.176	100	17.6	0.039	100	3.9	13.7	30	0.4566667	Zinc-Zn	0.46

01100404-003

NYCDEP - CENTRAL PK NO & LENOX-NYC

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CITY_21MC100_002851135

NYC 9/11 Public Portal Document

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 6:58 PM	01100404-004	AIR\GAS	BERRY ST. & NORTH 11th ST, BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G	0.29	mg/m3
Antimony (Sb)	OSHA ID 121/125G	0.11	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	<0.01	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	0.12	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	0.26	mg/m3

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

SUPPLEMENTAL II

CITY_21MC100_002851136

NYC-WTC_000368049

NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.
631-467-8477

NYCDEP - WTC
5-BORO SAMPLING
METALS IN AIR

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 GRAVIMETIC FACTORS
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m^3 (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-BSSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m^3
0.165	100	16.5	0.077	100	7.7	8.8	30	0.2933333	Aluminum- Al	**0.29**
0.078	100	7.8	0.044	100	4.4	3.4	30	0.1133333	Antimony-Sb	**0.11**
0.015	100	1.5	-0.009	100	-0.9	2.4	30	0.08	Arsenic-As	**0.08**
0.005	100	0.5	0.004	100	0.4	0.1	30	0.0033333	Barium-Ba	**<0.01**
0.001	100	0.1	0	100	0	0.1	30	0.0033333	Beryllium-Be	**<0.01**
0.002	100	0.2	0.002	100	0.2	0	30	0	Cadmium-Cd	**<0.01**
9.805	100	980.5	11.108	100	1110.8	-130.3	30	-4.3433333	Calcium-Ca	**<0.01**
0.018	100	1.8	0.016	100	1.6	0.2	30	0.0066667	Chromium-Cr	**<0.01**
0.012	100	1.2	0.008	100	0.8	0.4	30	0.0133333	Copper-Cu	**0.01**
0.114	100	11.4	0.077	100	7.7	3.7	30	0.1233333	Iron-Fe	**0.12**
0.015	100	1.5	0.008	100	0.8	0.7	30	0.0233333	Lead-Pb	**0.02**
3.086	100	308.6	3.614	100	361.4	-52.8	30	-1.76	Magnesium-Mg	**<0.01**
0.034	100	3.4	0.028	100	2.8	0.6	30	0.02	Manganese-Mn	**0.02**
	100			100			30		Mercury-Hg	**<0.01**
0.004	100	0.4	0.002	100	0.2	0.2	30	0.0066667	Nickel-NI	**<0.01**
0.507	100	50.7	0.57	100	57	-6.3	30	-0.21	Potassium-K	**<0.01**
0.088	100	8.8	0.064	100	6.4	2.4	30	0.08	Selenium-Se	**0.08**
0.001	100	0.1	0	100	0	0.1	30	0.0033333	Silver-Ag	**<0.01**
6.339	100	633.9	7.616	100	761.6	-127.7	30	-4.2566667	Sodium-Na	**<0.01**
0.01	100	1	0.008	100	0.8	0.2	30	0.0066667	Thallium-Tl	**<0.01**
0.117	100	11.7	0.039	100	3.9	7.8	30	0.26	Zinc-Zn	**0.26**

LAB ID #01100404-004

NYCDEP - BERRY & NORTH BROOKLYN

c:\JEM FILES\NYCDEP HAZMAT\m01100404.xls

CITY_21MC100_002851137

NYC-WTC_000368050

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 7:40 PM	01100404-005	AIR\GAS	ATLANTIC AVE. & SMITH ST., BROOKLYN

PARAMETER	METHOD	RESULT	UNITS
Aluminum (Al)	OSHA ID 121/125G	0.39	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	3.12	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	0.23	mg/m3
Lead (Pb)	OSHA ID 121/125G	<0.01	mg/m3
Magnesium (Mg)	OSHA ID 121/125G	1.02	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	1.74	mg/m3
Thallium (Tl)	OSHA ID 121/125G	<0.01	mg/m3
Zinc (Zn)	OSHA ID 121/125G	0.18	mg/m3

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

SUPPLEMENTAL II

NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.
631-467-8477

NYCDEP - WTC
5-BORO SAMPLING
METALS IN AIR

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 GRAVIMETIC FACTORS
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m^3 (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 -BSSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m^3
0.193	100	19.3	0.077	100	7.7	11.6	30	0.3866667	Aluminum- Al	**0.39**
0.035	100	3.5	0.044	100	4.4	-0.9	30	-0.03	Antimony-Sb	**<0.01**
-0.005	100	-0.5	-0.009	100	-0.9	0.4	30	0.0133333	Arsenic-As	**0.01**
0.006	100	0.6	0.004	100	0.4	0.2	30	0.0066667	Barium-Ba	**<0.01**
0.001	100	0.1	0	100	0	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**
12.045	100	1204.5	11.108	100	1110.8	93.7	30	3.1233333	Calcium-Ca	**3.12**
0.016	100	1.6	0.016	100	1.6	0	30	0	Chromium-Cr	**<0.01**
0.022	100	2.2	0.008	100	0.8	1.4	30	0.0466667	Copper-Cu	**0.05**
0.146	100	14.6	0.077	100	7.7	6.9	30	0.23	Iron-Fe	**0.23**
0.009	100	0.9	0.008	100	0.8	0.1	30	0.0033333	Lead-Pb	**<0.01**
3.919	100	391.9	3.614	100	361.4	30.5	30	1.0166667	Magnesium-Mg	**1.02**
0.024	100	2.4	0.028	100	2.8	-0.4	30	-0.0133333	Manganese-Mn	**<0.01**
	100			100			30		Mercury-Hg	**<0.01**
0.005	100	0.5	0.002	100	0.2	0.3	30	0.01	Nickel-NI	**0.01**
0.616	100	61.6	0.57	100	57	4.6	30	0.1533333	Potassium-K	**0.15**
0.068	100	6.8	0.064	100	6.4	0.4	30	0.0133333	Selenium-Se	**0.01**
0	100	0	0	100	0	0	30	0	Silver-Ag	**<0.01**
8.139	100	813.9	7.616	100	761.6	52.3	30	1.7433333	Sodium-Na	**1.74**
0.01	100	1	0.008	100	0.8	0.2	30	0.0066667	Thallium-Tl	**<0.01**
0.054	100	5.4	0.039	0.193	0.007527	5.392473	30	0.1797491	Zinc-Zn	**0.18**

LAB ID#01100404-005

NYCDEP - ATLANTIC AV & SMITH ST BROOKLYN

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CITY_21MC100_002851139

NYC-WTC_000368052

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 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	0.10	mg/m3
Arsenic (As)	OSHA ID 121/125G	0.03	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	0.06	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	0.69	mg/m3

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

SUPPLEMENTAL II

NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.
631-467-8477

NYCDEP - WTC
5-BORO SAMPLING
METALS IN AIR

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 GRAVIMETIC FACTORS
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m^3 (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 -BSSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m^3
0.084	100	8.4	0.077	100	7.7	0.7	30	0.0233333	Aluminum- Al	**0.02**
0.073	100	7.3	0.044	100	4.4	2.9	30	0.0966667	Antimony-Sb	**0.1**
0.001	100	0.1	-0.009	100	-0.9	1	30	0.0333333	Arsenic-As	**0.03**
0.004	100	0.4	0.004	100	0.4	0	30	0	Barium-Ba	**<0.01**
0.001	100	0.1	0	100	0	0.1	30	0.0033333	Beryllium-Be	**<0.01**
0.002	100	0.2	0.002	100	0.2	0	30	0	Cadmium-Cd	**<0.01**
10.21	100	1021	11.108	100	1110.8	-89.8	30	-2.9933333	Calcium-Ca	**<0.01**
0.012	100	1.2	0.016	100	1.6	-0.4	30	-0.0133333	Chromium-Cr	**<0.01**
0.009	100	0.9	0.008	100	0.8	0.1	30	0.0033333	Copper-Cu	**<0.01**
0.086	100	8.6	0.077	100	7.7	0.9	30	0.03	Iron-Fe	**0.03**
0.017	100	1.7	0.008	100	0.8	0.9	30	0.03	Lead-Pb	**0.03**
3.283	100	328.3	3.614	100	361.4	-33.1	30	-1.1033333	Magnesium-Mg	**<0.01**
0.03	100	3	0.028	100	2.8	0.2	30	0.0066667	Manganese-Mn	**<0.01**
	100			100			30		Mercury-Hg	**<0.01**
0.002	100	0.2	0.002	100	0.2	0	30	0	Nickel-NI	**<0.01**
0.525	100	52.5	0.57	100	57	-4.5	30	-0.15	Potassium-K	**<0.01**
0.081	100	8.1	0.064	100	6.4	1.7	30	0.0566667	Selenium-Se	**0.06**
0	100	0	0	100	0	0	30	0	Silver-Ag	**<0.01**
6.687	100	668.7	7.616	100	761.6	-92.9	30	-3.0966667	Sodium-Na	**<0.01**
0.004	100	0.4	0.008	100	0.8	-0.4	30	-0.0133333	Thallium-Tl	**<0.01**
0.247	100	24.7	0.039	100	3.9	20.8	30	0.6933333	Zinc-Zn	**0.69**

LAB ID #0110404-006

NYCDEP - BAY STR & VICTORY BLVD. SI

CITY_21MC100_002851141

NYC-WTC_000368054

NYC 9/11 Public Portal Document

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 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	0.02	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	1.30	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	0.48	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	0.23	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	0.44	mg/m3

John Pedneault
Lab Director

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

NYS ELAP #10224
MWBE #46075

SUPPLEMENTAL II

CITY_21MC100_002851142

NYC-WTC_000368055

NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.
631-467-8477

NYCDEP - WTC
5-BORO SAMPLING
METALS IN AIR

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 GRAVIMETIC FACTORS TB= TRIP/FIELD BLANK
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m^3 (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-BSSV = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m^3
0.083	100	8.3	0.077	100	7.7	0.6	30	0.02	Aluminum- Al	**0.02**
0.043	100	4.3	0.044	100	4.4	-0.1	30	-0.0033333	Antimony-Sb	**<0.01**
-0.003	100	-0.3	-0.009	100	-0.9	0.6	30	0.02	Arsenic-As	**0.02**
0.005	100	0.5	0.004	100	0.4	0.1	30	0.0033333	Barium-Ba	**<0.01**
0	100	0	0	100	0	0	30	0	Beryllium-Be	**<0.01**
0.001	100	0.1	0.002	100	0.2	-0.1	30	-0.0033333	Cadmium-Cd	**<0.01**
11.498	100	1149.8	11.108	100	1110.8	39	30	1.3	Calcium-Ca	**1.3**
0.012	100	1.2	0.016	100	1.6	-0.4	30	-0.0133333	Chromium-Cr	**<0.01**
0.007	100	0.7	0.008	100	0.8	-0.1	30	-0.0033333	Copper-Cu	**<0.01**
0.092	100	9.2	0.077	100	7.7	1.5	30	0.05	Iron-Fe	**0.05**
0.006	100	0.6	0.008	100	0.8	-0.2	30	-0.0066667	Lead-Pb	**<0.01**
3.757	100	375.7	3.614	100	361.4	14.3	30	0.4766667	Magnesium-Mg	**0.48**
0.026	100	2.6	0.028	100	2.8	-0.2	30	-0.0066667	Manganese-Mn	**<0.01**
	100			100			30		Mercury-Hg	**<0.01**
0.003	100	0.3	0.002	100	0.2	0.1	30	0.0033333	Nickel-NI	**<0.01**
0.64	100	64	0.57	100	57	7	30	0.2333333	Potassium-K	**0.23**
0.071	100	7.1	0.064	100	6.4	0.7	30	0.0233333	Selenium-Se	**0.02**
-0.001	100	-0.1	0	100	0	-0.1	30	-0.0033333	Silver-Ag	**<0.01**
7.619	100	761.9	7.616	100	761.6	0.3	30	0.01	Sodium-Na	**0.01**
0.001	100	0.1	0.008	100	0.8	-0.7	30	-0.0233333	Thallium-Tl	**<0.01**
0.171	100	17.1	0.039	100	3.9	13.2	30	0.44	Zinc-Zn	**0.44**

LAB ID #01100404-007

NYCDEP - DUPLICATE OF #01100404-004

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CITY_21MC100_002851143

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 3:00 PM	01100404-008	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	0.02	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	<0.01	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.

NYS ELAP #10224
MWBE #46075

SUPPLEMENTAL II

CITY_21MC100_002851144

NYC 9/11 Public Portal Document

PEDNEAULT ASSOCIATES, INC.
631-467-8477

NYCDEP - WTC
5-BORO SAMPLING
METALS IN AIR

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 GRAVIMETIC FACTORS TB= TRIP/FIELD BLANK
AV= Air Volume Sampled
AR=Analytical Result
ARR=Analytical Reportable Result in mg/m^3 (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 RABBSV = RABBSV	TB-RAB = AR	AV Liters	AR/AV	ANALYTE	ARR mg/m^3
0.077	100	7.7	0.101	100	10.1	-2.4	30	-0.08	Aluminum- Al	<0.01
0.044	100	4.4	0.237	100	23.7	-19.3	30	-0.6433333	Antimony-Sb	<0.01
-0.009	100	-0.9	0.093	100	9.3	-10.2	30	-0.34	Arsenic-As	<0.01
0.004	100	0.4	0.005	100	0.5	-0.1	30	-0.0033333	Barium-Ba	<0.01
0	100	0	0.002	100	0.2	-0.2	30	-0.0066667	Beryllium-Be	<0.01
0.002	100	0.2	0.005	100	0.5	-0.3	30	-0.01	Cadmium-Cd	<0.01
11.108	100	1110.8	13.225	100	1322.5	-211.7	30	-7.0566667	Calcium-Ca	<0.01
0.016	100	1.6	0.011	100	1.1	0.5	30	0.0166667	Chromium-Cr	0.02
0.008	100	0.8	0.022	100	2.2	-1.4	30	-0.0466667	Copper-Cu	<0.01
0.077	100	7.7	0.184	100	18.4	-10.7	30	-0.3566667	Iron-Fe	<0.01
0.008	100	0.8	0.028	100	2.8	-2	30	-0.0666667	Lead-Pb	<0.01
3.614	100	361.4	4.242	100	424.2	-62.8	30	-2.0933333	Magnesium-Mg	<0.01
0.028	100	2.8	0.07	100	7	-4.2	30	-0.14	Manganese-Mn	<0.01
	100			100			30		Mercury-Hg	<0.01
0.002	100	0.2	0.005	100	0.5	-0.3	30	-0.01	Nickel-NI	<0.01
0.57	100	57	0.695	100	69.5	-12.5	30	-0.4166667	Potassium-K	<0.01
0.064	100	6.4	0.167	100	16.7	-10.3	30	-0.3433333	Selenium-Se	<0.01
0	100	0	0	100	0	0	30	0	Silver-Ag	<0.01
7.616	100	761.6	8.59	100	859	-97.4	30	-3.2466667	Sodium-Na	<0.01
0.008	100	0.8	0.008	100	0.8	0	30	0	Thallium-Tl	<0.01
0.039	100	3.9	0.215	100	21.5	-17.6	30	-0.5866667	Zinc-Zn	<0.01

LAB ID #01100404-008

NYCDEP - TRIP/FIELD BLANK

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