

Prepared Exclusively For:

NYCDEP-Emergency Response &amp; Tech Assmt.

96-05 Horace Harding Expressway

Corona, NY 11368

(718) 595-4650

MR. M. FAWZEY, DIRECTOR

PEDNEAULT ASSOCIATES, INC.

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

LAB NUMBER: 01110051

PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling

| DATE RECEIVED   |                   | RELEASE DATE |                                 | REPORT DATE |
|-----------------|-------------------|--------------|---------------------------------|-------------|
| 11/3/01         |                   | 11/13/01     |                                 | 11/13/01    |
| COLLECT DATE:   | SAMPLE ID#:       | MATRIX:      | SAMPLE ORIGIN:                  |             |
| 11/3/01 5:32 PM | 01110051-001      | AIR/GAS      | BROADWAY AVE & 31st ST., QUEENS |             |
| PARAMETER       | METHOD            |              | RESULT                          | UNITS       |
| Aluminum (Al)   | OSHA ID 121/125G  |              | <0.01                           | mg/m3       |
| Antimony (Sb)   | OSHA ID 121/125G  |              | 0.27                            | 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  |              | <0.01                           | 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  |              | 0.14                            | mg/m3       |
| Silver (Ag)     | OSHA ID 121/125G  |              | <0.01                           | mg/m3       |
| Sodium (Na)     | OSHA ID 121/125G  |              | 1.44                            | 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.

## SUPPLEMENTAL II

Page 17 of 56  
NYS ELAP #10224  
MWBE #46075

CITY\_21MC100\_002835687

**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/m<sup>3</sup> (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) | SSV | ASSV  | B (mg/L) | BSV (ml) | B | BBSV  | ASSV-BBSV | AR | AV Liters | AR/AV      | ANALYTE      | ARR mg/m <sup>3</sup> |
|----------|----------|-----|-------|----------|----------|---|-------|-----------|----|-----------|------------|--------------|-----------------------|
| 0.096    | 100      |     | 9.6   | 0.126    | 100      |   | 12.6  | -3        |    | 30        | -0.1       | Aluminum-Al  | <0.01                 |
| 0.111    | 100      |     | 11.1  | 0.031    | 100      |   | 3.1   | 8         |    | 30        | 0.2666667  | Antimony-Sb  | 0.27                  |
| 0.016    | 100      |     | 1.6   | -0.007   | 100      |   | -0.7  | 2.3       |    | 30        | 0.0766667  | Arsenic-As   | 0.08                  |
| 0.003    | 100      |     | 0.3   | 0.003    | 100      |   | 0.3   | 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                 |
| 0.606    | 100      |     | 60.6  | 0.628    | 100      |   | 62.8  | -2.2      |    | 30        | -0.0733333 | Calcium-Ca   | <0.01                 |
| 0.007    | 100      |     | 0.7   | 0.007    | 100      |   | 0.7   | 0         |    | 30        | 0          | Chromium-Cr  | <0.01                 |
| 0.011    | 100      |     | 1.1   | 0.013    | 100      |   | 1.3   | -0.2      |    | 30        | -0.0066667 | Copper-Cu    | <0.01                 |
| 0.196    | 100      |     | 19.6  | 2.324    | 100      |   | 232.4 | -212.8    |    | 30        | -7.0933333 | Iron-Fe      | <0.01                 |
| 0.008    | 100      |     | 0.8   | 0.006    | 100      |   | 0.6   | 0.2       |    | 30        | 0.0066667  | Lead-Pb      | <0.01                 |
| 0.091    | 100      |     | 9.1   | 0.096    | 100      |   | 9.6   | -0.5      |    | 30        | -0.0166667 | Magnesium-Mg | <0.01                 |
| 0.078    | 100      |     | 7.8   | 0.085    | 100      |   | 8.5   | -0.7      |    | 30        | -0.0233333 | 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                 |
| 0.076    | 100      |     | 7.6   | 0.086    | 100      |   | 8.6   | -1        |    | 30        | -0.0333333 | Potassium-K  | <0.01                 |
| 0.042    | 100      |     | 4.2   | -0.001   | 100      |   | -0.1  | 4.3       |    | 30        | 0.1433333  | Selenium-Se  | 0.14                  |
| 0.001    | 100      |     | 0.1   | 0.001    | 100      |   | 0.1   | 0         |    | 30        | 0          | Silver-Ag    | <0.01                 |
| 1.632    | 100      |     | 163.2 | 1.2      | 100      |   | 120   | 43.2      |    | 30        | 1.44       | Sodium-Na    | 1.44                  |
| -0.006   | 100      |     | -0.6  | -0.008   | 100      |   | -0.8  | 0.2       |    | 30        | 0.0066667  | Thallium-Tl  | <0.01                 |
| 0.025    | 100      |     | 2.5   | 0.028    | 100      |   | 2.8   | -0.3      |    | 30        | -0.01      | Zinc-Zn      | <0.01                 |

LAB ID #01110051-001

NYCDEP - BROADWAY & 31ST QUEENS

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|                                                                                                                                                                                 |                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prepared Exclusively For:<br>NYCDEP-Emergency Response & Tech Assmt.<br>96-05 Horace Harding Expressway<br>Corona, NY 11368<br>(718) 595-4650<br><b>MR. M. FAWZEY, DIRECTOR</b> | <b>PEDNEAULT ASSOCIATES, INC.</b><br>1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716<br><br><b>LAB NUMBER: 01110051</b><br><br><b>PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| DATE RECEIVED   |                   | RELEASE DATE |                               | REPORT DATE |
|-----------------|-------------------|--------------|-------------------------------|-------------|
| 11/3/01         |                   | 11/13/01     |                               | 11/13/01    |
| COLLECT DATE:   | SAMPLE ID#:       | MATRIX:      | SAMPLE ORIGIN:                |             |
| 11/3/01 6:11 PM | 01110051-002      | 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  |              | 0.13                          | mg/m3       |
| Arsenic (As)    | OSHA ID 121/125G  |              | 0.04                          | 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  |              | <0.01                         | 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  |              | 0.03                          | mg/m3       |
| Selenium (Se)   | OSHA ID 121/125G  |              | 0.07                          | mg/m3       |
| Silver (Ag)     | OSHA ID 121/125G  |              | <0.01                         | mg/m3       |
| Sodium (Na)     | OSHA ID 121/125G  |              | 2.79                          | 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.

## SUPPLEMENTAL II

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NYS ELAP #10224  
MWBE #46075

CITY\_21MC100\_002835689

**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/m<sup>3</sup> (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 <sup>3</sup> |
|----------|----------|---------|------|----------|----------|---------|------|-----------|----|-----------|------------|--------------|-----------------------|
| 0.12     | 100      | 12      |      | 0.126    | 100      | 12.6    |      | -0.6      |    | 30        | -0.02      | Aluminum-Al  | <0.01                 |
| 0.071    | 100      | 7.1     |      | 0.031    | 100      | 3.1     |      | 4         |    | 30        | 0.1333333  | Antimony-Sb  | 0.13                  |
| 0.006    | 100      | 0.6     |      | -0.007   | 100      | -0.7    |      | 1.3       |    | 30        | 0.0433333  | Arsenic-As   | 0.04                  |
| 0.003    | 100      | 0.3     |      | 0.003    | 100      | 0.3     |      | 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                 |
| 0.63     | 100      | 63      |      | 0.628    | 100      | 62.8    |      | 0.2       |    | 30        | 0.0066667  | Calcium-Ca   | <0.01                 |
| 0.01     | 100      | 1       |      | 0.007    | 100      | 0.7     |      | 0.3       |    | 30        | 0.01       | Chromium-Cr  | 0.01                  |
| 0.01     | 100      | 1       |      | 0.013    | 100      | 1.3     |      | -0.3      |    | 30        | -0.01      | Copper-Cu    | <0.01                 |
| 0.23     | 100      | 23      |      | 2.324    | 100      | 232.4   |      | -209.4    |    | 30        | -6.98      | Iron-Fe      | <0.01                 |
| 0.01     | 100      | 1       |      | 0.006    | 100      | 0.6     |      | 0.4       |    | 30        | 0.0133333  | Lead-Pb      | 0.01                  |
| 0.092    | 100      | 9.2     |      | 0.096    | 100      | 9.6     |      | -0.4      |    | 30        | -0.0133333 | Magnesium-Mg | <0.01                 |
| 0.079    | 100      | 7.9     |      | 0.085    | 100      | 8.5     |      | -0.6      |    | 30        | -0.02      | 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                 |
| 0.095    | 100      | 9.5     |      | 0.086    | 100      | 8.6     |      | 0.9       |    | 30        | 0.03       | Potassium-K  | 0.03                  |
| 0.019    | 100      | 1.9     |      | -0.001   | 100      | -0.1    |      | 2         |    | 30        | 0.0666667  | Selenium-Se  | 0.07                  |
| 0.001    | 100      | 0.1     |      | 0.001    | 100      | 0.1     |      | 0         |    | 30        | 0          | Silver-Ag    | <0.01                 |
| 2.037    | 100      | 203.7   |      | 1.2      | 100      | 120     |      | 83.7      |    | 30        | 2.79       | Sodium-Na    | 2.79                  |
| -0.004   | 100      | -0.4    |      | -0.008   | 100      | -0.8    |      | 0.4       |    | 30        | 0.0133333  | Thallium-Tl  | 0.01                  |
| 0.024    | 100      | 2.4     |      | 0.028    | 100      | 2.8     |      | -0.4      |    | 30        | -0.0133333 | Zinc-Zn      | <0.01                 |

LAB ID #01110051-002

NYCDEP - 138TH & 3RD AVENUE BRONX

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prepared Exclusively For:<br>NYCDEP-Emergency Response & Tech Assmt.<br>96-05 Horace Harding Expressway<br>Corona, NY 11368<br>(718) 595-4650<br><b>MR. M. FAWZEY, DIRECTOR</b> | <b>PEDNEAULT ASSOCIATES, INC.</b><br>1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716<br><b>LAB NUMBER: 01110051</b><br><b>PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| DATE RECEIVED   |                   | RELEASE DATE |                                    | REPORT DATE |
|-----------------|-------------------|--------------|------------------------------------|-------------|
| 11/3/01         |                   | 11/13/01     |                                    | 11/13/01    |
| COLLECT DATE:   | SAMPLE ID#:       | MATRIX:      | SAMPLE ORIGIN:                     |             |
| 11/3/01 6:41 PM | 01110051-003      | AIR/GAS      | CENTRAL PARK N. & LENOX, MANHATTAN |             |
| PARAMETER       | METHOD            |              | RESULT                             | UNITS       |
| Aluminum (Al)   | OSHA ID 121/125G  |              | <0.01                              | mg/m3       |
| Antimony (Sb)   | OSHA ID 121/125G  |              | 0.09                               | 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  |              | <0.01                              | 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  |              | 0.07                               | mg/m3       |
| Silver (Ag)     | OSHA ID 121/125G  |              | <0.01                              | mg/m3       |
| Sodium (Na)     | OSHA ID 121/125G  |              | 2.32                               | 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.

## SUPPLEMENTAL II

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NYS ELAP #10224  
MWBE #46075

CITY\_21MC100\_002835691

**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  
IARR=Analytical Reportable Result in mg/m<sup>3</sup> (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) | ASSV  | B (mg/L) | BSV (ml) | BBSV  | ASSV-BBSV | AR | AV, Liters | AR/AV      | ANALYTE      | IARR mg/m <sup>3</sup> |
|----------|----------|-------|----------|----------|-------|-----------|----|------------|------------|--------------|------------------------|
| 0.101    | 100      | 10.1  | 0.126    | 100      | 12.6  | -2.5      |    | 30         | -0.0833333 | Aluminum-Al  | <0.01                  |
| 0.058    | 100      | 5.8   | 0.031    | 100      | 3.1   | 2.7       |    | 30         | 0.09       | Antimony-Sb  | 0.09                   |
| 0        | 100      | 0     | -0.007   | 100      | -0.7  | 0.7       |    | 30         | 0.0233333  | Arsenic-As   | 0.02                   |
| 0.003    | 100      | 0.3   | 0.003    | 100      | 0.3   | 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                  |
| 0.593    | 100      | 59.3  | 0.628    | 100      | 62.8  | -3.5      |    | 30         | -0.1166667 | Calcium-Ca   | <0.01                  |
| 0.007    | 100      | 0.7   | 0.007    | 100      | 0.7   | 0         |    | 30         | 0          | Chromium-Cr  | <0.01                  |
| 0.01     | 100      | 1     | 0.013    | 100      | 1.3   | -0.3      |    | 30         | -0.01      | Copper-Cu    | <0.01                  |
| 0.106    | 100      | 10.6  | 2.324    | 100      | 232.4 | -221.8    |    | 30         | -7.3933333 | Iron-Fe      | <0.01                  |
| 0.003    | 100      | 0.3   | 0.006    | 100      | 0.6   | -0.3      |    | 30         | -0.01      | Lead-Pb      | <0.01                  |
| 0.09     | 100      | 9     | 0.096    | 100      | 9.6   | -0.6      |    | 30         | -0.02      | Magnesium-Mg | <0.01                  |
| 0.076    | 100      | 7.6   | 0.085    | 100      | 8.5   | -0.9      |    | 30         | -0.03      | Manganese-Mn | <0.01                  |
|          | 100      |       |          | 100      |       |           |    | 30         |            | Mercury-Hg   | <0.01                  |
| 0.001    | 100      | 0.1   | 0.002    | 100      | 0.2   | -0.1      |    | 30         | -0.0033333 | Nickel-Ni    | <0.01                  |
| 0.073    | 100      | 7.3   | 0.086    | 100      | 8.6   | -1.3      |    | 30         | -0.0433333 | Potassium-K  | <0.01                  |
| 0.021    | 100      | 2.1   | -0.001   | 100      | -0.1  | 2.2       |    | 30         | 0.0733333  | Selenium-Se  | 0.07                   |
| 0.001    | 100      | 0.1   | 0.001    | 100      | 0.1   | 0         |    | 30         | 0          | Silver-Ag    | <0.01                  |
| 1.897    | 100      | 189.7 | 1.2      | 100      | 120   | 69.7      |    | 30         | 2.3233333  | Sodium-Na    | 2.32                   |
| -0.004   | 100      | -0.4  | -0.008   | 100      | -0.8  | 0.4       |    | 30         | 0.0133333  | Thallium-Tl  | 0.01                   |
| 0.023    | 100      | 2.3   | 0.028    | 100      | 2.8   | -0.5      |    | 30         | -0.0166667 | Zinc-Zn      | <0.01                  |

LAB ID #01110051-003

NYCDEP - CENTRAL PK NO & LENOX-NYC

|                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><i>Prepared Exclusively For:</i></p> <p>NYCDEP-Emergency Response &amp; Tech Assmt.</p> <p>96-05 Horace Harding Expressway</p> <p>Corona, NY 11368</p> <p>(718) 595-4650</p> <p><b>MR. M. FAWZEY, DIRECTOR</b></p> | <p align="center"><b>PEDNEAULT ASSOCIATES, INC.</b></p> <p align="center">1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716</p> <p align="center"><b>LAB NUMBER: 01110051</b></p> <p align="center"><b>PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling</b></p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| DATE RECEIVED   |                   | RELEASE DATE |                                     | REPORT DATE |
|-----------------|-------------------|--------------|-------------------------------------|-------------|
| 11/3/01         |                   | 11/13/01     |                                     | 11/13/01    |
| COLLECT DATE:   | SAMPLE ID#:       | MATRIX:      | SAMPLE ORIGIN:                      |             |
| 11/3/01 8:05 PM | 01110051-004      | 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  |              | 0.05                                | 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  |              | <0.01                               | 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  |              | 0.06                                | 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  |              | 0.09                                | mg/m3       |
| Selenium (Se)   | OSHA ID 121/125G  |              | 0.04                                | mg/m3       |
| Silver (Ag)     | OSHA ID 121/125G  |              | <0.01                               | mg/m3       |
| Sodium (Na)     | OSHA ID 121/125G  |              | 1.64                                | 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\_002835693

**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/m<sup>3</sup> (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) | ASSV  | B (mg/L) | BSV (ml) | BBSV  | ASSV-BBSV | AR | IAV Liters | AR/IAV | ANALYTE      | IARR mg/m <sup>3</sup> |
|----------|----------|-------|----------|----------|-------|-----------|----|------------|--------|--------------|------------------------|
| 0.1      | 100      | 10    | 0.126    | 100      | 12.6  | -2.6      | 30 | -0.0866667 |        | Aluminum-Al  | <0.01                  |
| 0.047    | 100      | 4.7   | 0.031    | 100      | 3.1   | 1.6       | 30 | 0.0533333  |        | Antimony-Sb  | 0.05                   |
| -0.009   | 100      | -0.9  | -0.007   | 100      | -0.7  | -0.2      | 30 | -0.0066667 |        | Arsenic-As   | <0.01                  |
| 0.003    | 100      | 0.3   | 0.003    | 100      | 0.3   | 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                  |
| 0.512    | 100      | 51.2  | 0.628    | 100      | 62.8  | -11.6     | 30 | -0.3866667 |        | Calcium-Ca   | <0.01                  |
| 0.009    | 100      | 0.9   | 0.007    | 100      | 0.7   | 0.2       | 30 | 0.0066667  |        | Chromium-Cr  | <0.01                  |
| 0.012    | 100      | 1.2   | 0.013    | 100      | 1.3   | -0.1      | 30 | -0.0033333 |        | Copper-Cu    | <0.01                  |
| 0.18     | 100      | 18    | 2.324    | 100      | 232.4 | -214.4    | 30 | -7.1466667 |        | Iron-Fe      | <0.01                  |
| 0.004    | 100      | 0.4   | 0.006    | 100      | 0.6   | -0.2      | 30 | -0.0066667 |        | Lead-Pb      | <0.01                  |
| 0.078    | 100      | 7.8   | 0.096    | 100      | 9.6   | -1.8      | 30 | -0.06      |        | Magnesium-Mg | <0.01                  |
| 0.103    | 100      | 10.3  | 0.085    | 100      | 8.5   | 1.8       | 30 | 0.06       |        | Manganese-Mn | 0.06                   |
|          | 100      |       |          | 100      |       |           | 30 |            |        | Mercury-Hg   | <0.01                  |
| 0.002    | 100      | 0.2   | 0.002    | 100      | 0.2   | 0         | 30 | 0          |        | Nickel-Ni    | <0.01                  |
| 0.114    | 100      | 11.4  | 0.086    | 100      | 8.6   | 2.8       | 30 | 0.0933333  |        | Potassium-K  | 0.09                   |
| 0.012    | 100      | 1.2   | -0.001   | 100      | -0.1  | 1.3       | 30 | 0.0433333  |        | Selenium-Se  | 0.04                   |
| 0.001    | 100      | 0.1   | 0.001    | 100      | 0.1   | 0         | 30 | 0          |        | Silver-Ag    | <0.01                  |
| 1.691    | 100      | 169.1 | 1.2      | 100      | 120   | 49.1      | 30 | 1.6366667  |        | Sodium-Na    | 1.64                   |
| -0.005   | 100      | -0.5  | -0.008   | 100      | -0.8  | 0.3       | 30 | 0.01       |        | Thallium-Tl  | 0.01                   |
| 0.028    | 100      | 2.8   | 0.028    | 100      | 2.8   | 0         | 30 | 0          |        | Zinc-Zn      | <0.01                  |

LAB ID #01110051-004

NYCDEP - BERRY & NORTH BROOKLYN

C:\IEM FILES\NYCDEP\HA7MAT\01110051.xls

Prepared Exclusively For:  
 NYCDEP-Emergency Response & Tech Assmt.  
 96-05 Horace Harding Expressway  
 Corona, NY 11368  
 (718) 595-4650  
**MR. M. FAWZEY, DIRECTOR**

**PEDNEULT ASSOCIATES, INC.**

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

**LAB NUMBER: 01110051****PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling**

| DATE RECEIVED   |  | RELEASE DATE      |  | REPORT DATE                         |  |
|-----------------|--|-------------------|--|-------------------------------------|--|
| 11/3/01         |  | 11/13/01          |  | 11/13/01                            |  |
| COLLECT DATE:   |  | SAMPLE ID#:       |  | MATRIX:                             |  |
| 11/3/01 8:40 PM |  | 01110051-005      |  | AIR\GAS                             |  |
|                 |  |                   |  | ATLANTIC AVE. & SMITH ST., BROOKLYN |  |
| PARAMETER       |  | METHOD            |  | RESULT                              |  |
| Aluminum (Al)   |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Antimony (Sb)   |  | OSHA ID 121/125G  |  | 0.03                                |  |
| Arsenic (As)    |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Barium (Ba)     |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Beryllium (Be)  |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Cadmium (Cd)    |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Calcium (Ca)    |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Chromium (Cr)   |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Copper (Cu)     |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Iron (Fe)       |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Lead (Pb)       |  | OSHA ID 121/125G  |  | 0.01                                |  |
| Magnesium (Mg)  |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Manganese (Mn)  |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Mercury (Hg)    |  | OSHA ID 121/245.5 |  | <0.01                               |  |
| Nickel (Ni)     |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Potassium (K)   |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Selenium (Se)   |  | OSHA ID 121/125G  |  | 0.04                                |  |
| Silver (Ag)     |  | OSHA ID 121/125G  |  | <0.01                               |  |
| Sodium (Na)     |  | OSHA ID 121/125G  |  | 0.69                                |  |
| Thallium (Tl)   |  | OSHA ID 121/125G  |  | 0.01                                |  |
| Zinc (Zn)       |  | OSHA ID 121/125G  |  | <0.01                               |  |

**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\_002835695

**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/m<sup>3</sup> (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 <sup>3</sup> |
|----------|----------|---------|-------|----------|----------|---------|-------|-----------|----|-----------|------------|--------------|-----------------------|
| 0.097    | 100      |         | 9.7   | 0.126    | 100      |         | 12.6  | -2.9      |    | 30        | -0.0966667 | Aluminum-Al  | <0.01                 |
| 0.04     | 100      |         | 4     | 0.031    | 100      |         | 3.1   | 0.9       |    | 30        | 0.03       | Antimony-Sb  | 0.03                  |
| -0.008   | 100      |         | -0.8  | -0.007   | 100      |         | -0.7  | -0.1      |    | 30        | -0.0033333 | Arsenic-As   | <0.01                 |
| 0.002    | 100      |         | 0.2   | 0.003    | 100      |         | 0.3   | -0.1      |    | 30        | -0.0033333 | 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                 |
| 0.521    | 100      |         | 52.1  | 0.628    | 100      |         | 62.8  | -10.7     |    | 30        | -0.3566667 | Calcium-Ca   | <0.01                 |
| 0.008    | 100      |         | 0.8   | 0.007    | 100      |         | 0.7   | 0.1       |    | 30        | 0.0033333  | Chromium-Cr  | <0.01                 |
| 0.01     | 100      |         | 1     | 0.013    | 100      |         | 1.3   | -0.3      |    | 30        | -0.01      | Copper-Cu    | <0.01                 |
| 0.215    | 100      |         | 21.5  | 2.324    | 100      |         | 232.4 | -210.9    |    | 30        | -7.03      | Iron-Fe      | <0.01                 |
| 0.009    | 100      |         | 0.9   | 0.006    | 100      |         | 0.6   | 0.3       |    | 30        | 0.01       | Lead-Pb      | 0.01                  |
| 0.082    | 100      |         | 8.2   | 0.096    | 100      |         | 9.6   | -1.4      |    | 30        | -0.0466667 | Magnesium-Mg | <0.01                 |
| 0.079    | 100      |         | 7.9   | 0.085    | 100      |         | 8.5   | -0.6      |    | 30        | -0.02      | 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                 |
| 0.073    | 100      |         | 7.3   | 0.086    | 100      |         | 8.6   | -1.3      |    | 30        | -0.0433333 | Potassium-K  | <0.01                 |
| 0.01     | 100      |         | 1     | -0.001   | 100      |         | -0.1  | 1.1       |    | 30        | 0.0366667  | Selenium-Se  | 0.04                  |
| 0.001    | 100      |         | 0.1   | 0.001    | 100      |         | 0.1   | 0         |    | 30        | 0          | Silver-Ag    | <0.01                 |
| 1.408    | 100      |         | 140.8 | 1.2      | 100      |         | 120   | 20.8      |    | 30        | 0.6933333  | Sodium-Na    | 0.69                  |
| -0.004   | 100      |         | -0.4  | -0.008   | 100      |         | -0.8  | 0.4       |    | 30        | 0.0133333  | Thallium-Tl  | 0.01                  |
| 0.02     | 100      |         | 2     | 0.028    | 100      |         | 2.8   | -0.8      |    | 30        | -0.0266667 | Zinc-Zn      | <0.01                 |

LAB ID #01110051-005

NYCDEP -ATLANTIC AV & SMITH STR. BROOKLYN

C:\TEMP FILES\NYCDEP\HAZMAT\00110051-005

Prepared Exclusively For:  
 NYCDEP-Emergency Response & Tech Assmt.  
 96-05 Horace Harding Expressway  
 Corona, NY 11368  
 (718) 595-4650  
**MR. M. FAWZEY, DIRECTOR**

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

**LAB NUMBER: 01110051**

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

| DATE RECEIVED   |                   | RELEASE DATE |                                       | REPORT DATE |
|-----------------|-------------------|--------------|---------------------------------------|-------------|
| 11/3/01         |                   | 11/13/01     |                                       | 11/13/01    |
| COLLECT DATE:   | SAMPLE ID#:       | MATRIX:      | SAMPLE ORIGIN:                        |             |
| 11/3/01 9:24 PM | 01110051-006      | 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  |              | 0.03                                  | 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  |              | 0.11                                  | 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  |              | 0.07                                  | 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  |              | 1.97                                  | 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\_002835697

**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/m<sup>3</sup> (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 |
|----------|----------|---------|------|----------|----------|---------|------|-----------|----|------------|-------|--------------|----------|
| 0.111    | 100      | 11.1    |      | 0.126    | 100      | 12.6    |      | -1.5      | 30 | -0.05      |       | Aluminum-Al  | <0.01    |
| 0.041    | 100      | 4.1     |      | 0.031    | 100      | 3.1     |      | 1         | 30 | 0.0333333  |       | Antimony-Sb  | 0.03     |
| -0.014   | 100      | -1.4    |      | -0.007   | 100      | -0.7    |      | -0.7      | 30 | -0.0233333 |       | Arsenic-As   | <0.01    |
| 0.003    | 100      | 0.3     |      | 0.003    | 100      | 0.3     |      | 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    |
| 0.66     | 100      | 66      |      | 0.628    | 100      | 62.8    |      | 3.2       | 30 | 0.1066667  |       | Calcium-Ca   | 0.11     |
| 0.008    | 100      | 0.8     |      | 0.007    | 100      | 0.7     |      | 0.1       | 30 | 0.0033333  |       | Chromium-Cr  | <0.01    |
| 0.016    | 100      | 1.6     |      | 0.013    | 100      | 1.3     |      | 0.3       | 30 | 0.01       |       | Copper-Cu    | 0.01     |
| 2.137    | 100      | 213.7   |      | 2.324    | 100      | 232.4   |      | -18.7     | 30 | -0.6233333 |       | Iron-Fe      | <0.01    |
| 0.026    | 100      | 2.6     |      | 0.006    | 100      | 0.6     |      | 2         | 30 | 0.0666667  |       | Lead-Pb      | 0.07     |
| 0.071    | 100      | 7.1     |      | 0.096    | 100      | 9.6     |      | -2.5      | 30 | -0.0833333 |       | Magnesium-Mg | <0.01    |
| 0.066    | 100      | 6.6     |      | 0.085    | 100      | 8.5     |      | -1.9      | 30 | -0.0633333 |       | 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    |
| 0.08     | 100      | 8       |      | 0.086    | 100      | 8.6     |      | -0.6      | 30 | -0.02      |       | Potassium-K  | <0.01    |
| -0.003   | 100      | -0.3    |      | -0.001   | 100      | -0.1    |      | -0.2      | 30 | -0.0066667 |       | Selenium-Se  | <0.01    |
| 0        | 100      | 0       |      | 0.001    | 100      | 0.1     |      | -0.1      | 30 | -0.0033333 |       | Silver-Ag    | <0.01    |
| 1.792    | 100      | 179.2   |      | 1.2      | 100      | 120     |      | 59.2      | 30 | 1.9733333  |       | Sodium-Na    | 1.97     |
| -0.006   | 100      | -0.6    |      | -0.008   | 100      | -0.8    |      | 0.2       | 30 | 0.0066667  |       | Thallium-Tl  | <0.01    |
| 0.025    | 100      | 2.5     |      | 0.028    | 100      | 2.8     |      | -0.3      | 30 | -0.01      |       | Zinc-Zn      | <0.01    |

LAB ID #01110051-006

NYCDEP - BAY STR & VICTORY BLVD. SI

c:/JFM FILES/NYCDEP-HA7MAT/m01110051.xls

|                                                                                                                                                                                 |                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prepared Exclusively For:<br>NYCDEP-Emergency Response & Tech Assmt.<br>96-05 Horace Harding Expressway<br>Corona, NY 11368<br>(718) 595-4650<br><b>MR. M. FAWZEY, DIRECTOR</b> | <b>PEDNEAULT ASSOCIATES, INC.</b><br>1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716<br><b>LAB NUMBER: 01110051</b><br><b>PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| DATE RECEIVED   |                   | RELEASE DATE |                                          | REPORT DATE |
|-----------------|-------------------|--------------|------------------------------------------|-------------|
| 11/3/01         |                   | 11/13/01     |                                          | 11/13/01    |
| COLLECT DATE:   | SAMPLE ID#:       | MATRIX:      | SAMPLE ORIGIN:                           |             |
| 11/3/01 8:40 PM | 01110051-007      | AIR/GAS      | DUP/-ATLANTIC AVE. & SMITH 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  |              | <0.01                                    | 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  |              | <0.01                                    | 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  |              | 2.51                                     | mg/m3       |
| Thallium (Tl)   | OSHA ID 121/125G  |              | 0.02                                     | 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.

### SUPPLEMENTAL II

Page 23 of 56  
NYS ELAP #10224  
MWBE #46075

CITY\_21MC100\_002835699

**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  
I<sub>AV</sub>= Air Volume Sampled  
I<sub>AR</sub>=Analytical Result  
I<sub>ARR</sub>=Analytical Reportable Result in mg/m<sup>3</sup> (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 |
|----------|----------|---------|------|----------|----------|---------|------|-----------|----|------------|-------|--------------|----------|
| 0.114    | 100      | 11.4    |      | 0.126    | 100      | 12.6    |      | -1.2      | 30 | -0.04      |       | Aluminum-Al  | <0.01    |
| 0.031    | 100      | 3.1     |      | 0.031    | 100      | 3.1     |      | 0         | 30 | 0          |       | Antimony-Sb  | <0.01    |
| -0.013   | 100      | -1.3    |      | -0.007   | 100      | -0.7    |      | -0.6      | 30 | -0.02      |       | Arsenic-As   | <0.01    |
| 0.003    | 100      | 0.3     |      | 0.003    | 100      | 0.3     |      | 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    |
| 0.567    | 100      | 56.7    |      | 0.628    | 100      | 62.8    |      | -6.1      | 30 | -0.2033333 |       | Calcium-Ca   | <0.01    |
| 0.01     | 100      | 1       |      | 0.007    | 100      | 0.7     |      | 0.3       | 30 | 0.01       |       | Chromium-Cr  | 0.01     |
| 0.015    | 100      | 1.5     |      | 0.013    | 100      | 1.3     |      | 0.2       | 30 | 0.0066667  |       | Copper-Cu    | <0.01    |
| 0.102    | 100      | 10.2    |      | 2.324    | 100      | 232.4   |      | -222.2    | 30 | -7.4066667 |       | Iron-Fe      | <0.01    |
| 0.005    | 100      | 0.5     |      | 0.006    | 100      | 0.6     |      | -0.1      | 30 | -0.0033333 |       | Lead-Pb      | <0.01    |
| 0.067    | 100      | 6.7     |      | 0.096    | 100      | 9.6     |      | -2.9      | 30 | -0.0966667 |       | Magnesium-Mg | <0.01    |
| 0.058    | 100      | 5.8     |      | 0.085    | 100      | 8.5     |      | -2.7      | 30 | -0.09      |       | 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    |
| 0.087    | 100      | 8.7     |      | 0.086    | 100      | 8.6     |      | 0.1       | 30 | 0.0033333  |       | Potassium-K  | <0.01    |
| 0.002    | 100      | 0.2     |      | -0.001   | 100      | -0.1    |      | 0.3       | 30 | 0.01       |       | Selenium-Se  | 0.01     |
| 0        | 100      | 0       |      | 0.001    | 100      | 0.1     |      | -0.1      | 30 | -0.0033333 |       | Silver-Ag    | <0.01    |
| 1.953    | 100      | 195.3   |      | 1.2      | 100      | 120     |      | 75.3      | 30 | 2.51       |       | Sodium-Na    | 2.51     |
| -0.003   | 100      | -0.3    |      | -0.008   | 100      | -0.8    |      | 0.5       | 30 | 0.0166667  |       | Thallium-Tl  | 0.02     |
| 0.038    | 100      | 3.8     |      | 0.028    | 100      | 2.8     |      | 1         | 30 | 0.0333333  |       | Zinc-Zn      | 0.03     |

LAB ID #01110051-007

NYCDEP - DUPLICATE OF #01110051-005

\\SEMFILES\NYCDEP\HAZMAT\001110051.xls

|                                                                                                                                                                                                                              |                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><i>Prepared Exclusively For:</i></p> <p><b>NYCDEP-Emergency Response &amp; Tech Assmt.</b></p> <p>96-05 Horace Harding Expressway</p> <p>Corona, NY 11368</p> <p>(718) 595-4650</p> <p><b>MR. M. FAWZEY, DIRECTOR</b></p> | <p><b>PEDNEAULT ASSOCIATES, INC.</b></p> <p>1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716</p> <p><b>LAB NUMBER: 01110051</b></p> <p><b>PROJECT ID : WORLD TRADE CENTER- 5 Boro Sampling</b></p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| DATE RECEIVED  |                   | RELEASE DATE |                | REPORT DATE |
|----------------|-------------------|--------------|----------------|-------------|
| 11/3/01        |                   | 11/13/01     |                | 11/13/01    |
| COLLECT DATE:  | SAMPLE ID#:       | MATRIX:      | SAMPLE ORIGIN: |             |
| 11/3/01        | 01110051-008      | AIR\GAS      | TRIP BLANKS    |             |
| PARAMETER      | METHOD            |              | RESULT         | UNITS       |
| Aluminum (Al)  | OSHA ID 121/125G  |              | 0.03           | 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  |              | 0.02           | mg/m3       |
| Copper (Cu)    | OSHA ID 121/125G  |              | <0.01          | mg/m3       |
| Iron (Fe)      | OSHA ID 121/125G  |              | 7.29           | mg/m3       |
| Lead (Pb)      | OSHA ID 121/125G  |              | <0.01          | mg/m3       |
| Magnesium (Mg) | OSHA ID 121/125G  |              | 0.09           | mg/m3       |
| Manganese (Mn) | OSHA ID 121/125G  |              | 0.12           | 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.

**SUPPLEMENTAL II**

Page 24 of 56  
NYS ELAP #10224  
MWBE #46075

**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  
IARR=Analytical Reportable Result in mg/m<sup>3</sup> (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 BSV | BBSV   | RAB (mg/L) | RABSV (ml) | RAB x RABSV | RABSV | TB-RAB     | AR           | AV, Liters | AR/AV | ANALYTE | ARR mg/m <sup>3</sup> |
|-----------|----------|----------|--------|------------|------------|-------------|-------|------------|--------------|------------|-------|---------|-----------------------|
| 0.126     | 100      | 12.6     | 0.117  | 100        | 11.7       | 0.9         | 30    | 0.03       | Aluminum- Al | 0.03       |       |         | 0.03                  |
| 0.031     | 100      | 3.1      | 0.031  | 100        | 3.1        | 0           | 30    | 0          | Antimony-Sb  | <0.01      |       |         | <0.01                 |
| -0.007    | 100      | -0.7     | -0.007 | 100        | -0.7       | 0           | 30    | 0          | Arsenic-As   | <0.01      |       |         | <0.01                 |
| 0.003     | 100      | 0.3      | 0.003  | 100        | 0.3        | 0           | 30    | 0          | Barium-Ba    | <0.01      |       |         | <0.01                 |
| 0.001     | 100      | 0.1      | 0.001  | 100        | 0.1        | 0           | 30    | 0          | Beryllium-Be | <0.01      |       |         | <0.01                 |
| 0.001     | 100      | 0.1      | 0      | 100        | 0          | 0.1         | 30    | 0.0033333  | Cadmium-Cd   | <0.01      |       |         | <0.01                 |
| 0.628     | 100      | 62.8     | 0.587  | 100        | 58.7       | 4.1         | 30    | 0.1366667  | Calcium-Ca   | 0.14       |       |         | 0.14                  |
| 0.007     | 100      | 0.7      | 0.002  | 100        | 0.2        | 0.5         | 30    | 0.0166667  | Chromium-Cr  | 0.02       |       |         | 0.02                  |
| 0.013     | 100      | 1.3      | 0.014  | 100        | 1.4        | -0.1        | 30    | -0.0033333 | Copper-Cu    | <0.01      |       |         | <0.01                 |
| 2.324     | 100      | 232.4    | 0.137  | 100        | 13.7       | 218.7       | 30    | 7.29       | Iron-Fe      | 7.29       |       |         | 7.29                  |
| 0.006     | 100      | 0.6      | 0.006  | 100        | 0.6        | 0           | 30    | 0          | Lead-Pb      | <0.01      |       |         | <0.01                 |
| 0.096     | 100      | 9.6      | 0.069  | 100        | 6.9        | 2.7         | 30    | 0.09       | Magnesium-Mg | 0.09       |       |         | 0.09                  |
| 0.085     | 100      | 8.5      | 0.048  | 100        | 4.8        | 3.7         | 30    | 0.1233333  | Manganese-Mn | 0.12       |       |         | 0.12                  |
|           | 100      |          |        | 100        |            |             | 30    |            | Mercury-Hg   | <0.01      |       |         | <0.01                 |
| 0.002     | 100      | 0.2      | 0      | 100        | 0          | 0.2         | 30    | 0.0066667  | Nickel-Ni    | <0.01      |       |         | <0.01                 |
| 0.086     | 100      | 8.6      | 0.088  | 100        | 8.8        | -0.2        | 30    | -0.0066667 | Potassium-K  | <0.01      |       |         | <0.01                 |
| -0.001    | 100      | -0.1     | 0.003  | 100        | 0.3        | -0.4        | 30    | -0.0133333 | Selenium-Se  | <0.01      |       |         | <0.01                 |
| 0.001     | 100      | 0.1      | 0.001  | 100        | 0.1        | 0           | 30    | 0          | Silver-Ag    | <0.01      |       |         | <0.01                 |
| 1.2       | 100      | 120      | 1.883  | 100        | 188.3      | -68.3       | 30    | -2.2766667 | Sodium-Na    | <0.01      |       |         | <0.01                 |
| -0.008    | 100      | -0.8     | -0.007 | 100        | -0.7       | -0.1        | 30    | -0.0033333 | Thallium-Tl  | <0.01      |       |         | <0.01                 |
| 0.028     | 100      | 2.8      | 0.094  | 100        | 9.4        | -6.6        | 30    | -0.22      | Zinc-Zn      | <0.01      |       |         | <0.01                 |

LAB ID #01110051-008

NYCDEP - TRIP/FIELD BLANK