TRC
Customer-Focused Solutions
1430 Broadway, 10th Fl. New York, New York 10018
Phone: (212) 221-7822 - Fax: (212) 221-7840

## LMDC Air Metals Profile

| | | | |
|---|---|---|---|
| Client | Lower Manhattan Development Corporation | Job Number | 46600-0000-00001 |
| Address | One Liberty Plaza, 20th Floor | Date Received | 8/20/2005 |
| | New York, NY 10006 | Date Analyzed | 8/20/2005 |
| Collected By | D. Katehis/V. Bajomo | Job Location | 130 Liberty Street |
| Collected | 8/19/2005 | | |
| Rotometer | Standard | | |

Lab ID 010503235-0001 Matrix Air
Field ID M-081905-1243
Location Washington Street/Albany Street

| Parameter | Start | End | Flow | Volume | Result | Units | MDL | MCL | Flag |
|---|---|---|---|---|---|---|---|---|---|
| **Barium, Total** | 16:01 | 16:03 | 4 | 5768 | **<0.87** | µg/m3 | 0.87 | 500 | |
| **Beryllium, Total** | 16:01 | 16:03 | 4 | 5768 | **<0.035** | µg/m3 | 0.035 | 1 | |
| **Cadmium, Total** | 16:01 | 16:03 | 4 | 5768 | **<0.035** | µg/m3 | 0.035 | 2.5 | |
| **Chromium, Total** | 16:01 | 16:03 | 4 | 5768 | **<0.087** | µg/m3 | 0.087 | 500 | |
| **Copper, Total** | 16:01 | 16:03 | 4 | 5768 | **<0.17** | µg/m3 | 0.17 | 500 | |
| **Lead, Total** | 16:01 | 16:03 | 4 | 5768 | **<0.087** | µg/m3 | 0.087 | 30 | |
| **Manganese, Total** | 16:01 | 16:03 | 4 | 5768 | **<0.13** | µg/m3 | 0.13 | 1000 | |
| **Nickel, Total** | 16:01 | 16:03 | 4 | 5768 | **<0.17** | µg/m3 | 0.17 | 500 | |
| **Zinc, Total** | 16:01 | 16:03 | 4 | 5768 | **<0.17** | µg/m3 | 0.17 | 2500 | |

Lab ID 010503235-0002 Matrix Air
Field ID M-081905-1244
Location Albany Street/Greenwich Street

| Parameter | Start | End | Flow | Volume | Result | Units | MDL | MCL | Flag |
|---|---|---|---|---|---|---|---|---|---|
| **Barium, Total** | 16:04 | 16:05 | 4 | 5764 | **<0.87** | µg/m3 | 0.87 | 500 | |
| **Beryllium, Total** | 16:04 | 16:05 | 4 | 5764 | **<0.035** | µg/m3 | 0.035 | 1 | |
| **Cadmium, Total** | 16:04 | 16:05 | 4 | 5764 | **<0.035** | µg/m3 | 0.035 | 2.5 | |
| **Chromium, Total** | 16:04 | 16:05 | 4 | 5764 | **<0.087** | µg/m3 | 0.087 | 500 | |
| **Copper, Total** | 16:04 | 16:05 | 4 | 5764 | **<0.17** | µg/m3 | 0.17 | 500 | |
| **Lead, Total** | 16:04 | 16:05 | 4 | 5764 | **<0.087** | µg/m3 | 0.087 | 30 | |
| **Manganese, Total** | 16:04 | 16:05 | 4 | 5764 | **<0.13** | µg/m3 | 0.13 | 1000 | |
| **Nickel, Total** | 16:04 | 16:05 | 4 | 5764 | **<0.17** | µg/m3 | 0.17 | 500 | |
| **Zinc, Total** | 16:04 | 16:05 | 4 | 5764 | **<0.17** | µg/m3 | 0.17 | 2500 | |

MDL = Minimum Detection Limit
MCL = Maximum Contaminant Level
> MCL = Exceeds Maximum Contaminant Level
Samples analyzed by EMSL Analytical, Inc.; NY ELAP ID# 10872 and 11506



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| Client | Lower Manhattan Development Corporation | Job Number | 46600-0000-00001 |
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| | New York, NY 10006 | Date Analyzed | 8/20/2005 |
| Collected By | D. Katehis/V. Bajorno | Job Location | 130 Liberty Street |
| Collected | 8/19/2005 | | |
| Rotometer | Standard | | |

Lab ID 010503235-0003 Matrix Air
Field ID M-081905-1245
Location Greenwich Street

| Parameter | Start | End | Flow | Volume | Result | Units | MDL | MCL | Flag |
|---|---|---|---|---|---|---|---|---|---|
| **Barium, Total** | 16:07 | 16:08 | 4 | 5764 | **<0.87** | µg/m3 | 0.87 | 500 | |
| **Beryllium, Total** | 16:07 | 16:08 | 4 | 5764 | **<0.035** | µg/m3 | 0.035 | 1 | |
| **Cadmium, Total** | 16:07 | 16:08 | 4 | 5764 | **<0.035** | µg/m3 | 0.035 | 2.5 | |
| **Chromium, Total** | 16:07 | 16:08 | 4 | 5764 | **<0.087** | µg/m3 | 0.087 | 500 | |
| **Copper, Total** | 16:07 | 16:08 | 4 | 5764 | **<0.17** | µg/m3 | 0.17 | 500 | |
| **Lead, Total** | 16:07 | 16:08 | 4 | 5764 | **<0.087** | µg/m3 | 0.087 | 30 | |
| **Manganese, Total** | 16:07 | 16:08 | 4 | 5764 | **<0.13** | µg/m3 | 0.13 | 1000 | |
| **Nickel, Total** | 16:07 | 16:08 | 4 | 5764 | **<0.17** | µg/m3 | 0.17 | 500 | |
| **Zinc, Total** | 16:07 | 16:08 | 4 | 5764 | **<0.17** | µg/m3 | 0.17 | 2500 | |

Lab ID 010503235-0004 Matrix Air
Field ID M-081905-1246
Location Greenwich Street/Liberty Street

| Parameter | Start | End | Flow | Volume | Result | Units | MDL | MCL | Flag |
|---|---|---|---|---|---|---|---|---|---|
| **Barium, Total** | 16:10 | 16:11 | 3.9 | 5620 | **<0.89** | µg/m3 | 0.89 | 500 | |
| **Beryllium, Total** | 16:10 | 16:11 | 3.9 | 5620 | **<0.036** | µg/m3 | 0.036 | 1 | |
| **Cadmium, Total** | 16:10 | 16:11 | 3.9 | 5620 | **<0.036** | µg/m3 | 0.036 | 2.5 | |
| **Chromium, Total** | 16:10 | 16:11 | 3.9 | 5620 | **<0.089** | µg/m3 | 0.089 | 500 | |
| **Copper, Total** | 16:10 | 16:11 | 3.9 | 5620 | **<0.18** | µg/m3 | 0.18 | 500 | |
| **Lead, Total** | 16:10 | 16:11 | 3.9 | 5620 | **<0.089** | µg/m3 | 0.089 | 30 | |
| **Manganese, Total** | 16:10 | 16:11 | 3.9 | 5620 | **<0.13** | µg/m3 | 0.13 | 1000 | |
| **Nickel, Total** | 16:10 | 16:11 | 3.9 | 5620 | **<0.18** | µg/m3 | 0.18 | 500 | |
| **Zinc, Total** | 16:10 | 16:11 | 3.9 | 5620 | **<0.18** | µg/m3 | 0.18 | 2500 | |

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Samples analyzed by EMSL Analytical, Inc.; NY ELAP ID# 10872 and 11506



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| | New York, NY 10006 | Date Analyzed | 8/20/2005 |
| Collected By | D. Katehis/V. Bajorno | Job Location | 130 Liberty Street |
| Collected | 8/19/2005 | | |
| Rotometer | Standard | | |

| | | | |
|---|---|---|---|
| Lab ID | 010503235-0005 | Matrix | Air |
| Field ID | M-081905-1247 | | |
| Location | Washington Street/Cedar Street | | |

| Parameter | Start | End | Flow | Volume | Result | Units | MDL | MCL | Flag |
|---|---|---|---|---|---|---|---|---|---|
| **Barium, Total** | 16:13 | 16:14 | 4 | 5764 | **<0.87** | µg/m3 | 0.87 | 500 | |
| **Beryllium, Total** | 16:13 | 16:14 | 4 | 5764 | **<0.035** | µg/m3 | 0.035 | 1 | |
| **Cadmium, Total** | 16:13 | 16:14 | 4 | 5764 | **<0.035** | µg/m3 | 0.035 | 2.5 | |
| **Chromium, Total** | 16:13 | 16:14 | 4 | 5764 | **<0.087** | µg/m3 | 0.087 | 500 | |
| **Copper, Total** | 16:13 | 16:14 | 4 | 5764 | **<0.17** | µg/m3 | 0.17 | 500 | |
| **Lead, Total** | 16:13 | 16:14 | 4 | 5764 | **<0.087** | µg/m3 | 0.087 | 30 | |
| **Manganese, Total** | 16:13 | 16:14 | 4 | 5764 | **<0.13** | µg/m3 | 0.13 | 1000 | |
| **Nickel, Total** | 16:13 | 16:14 | 4 | 5764 | **<0.17** | µg/m3 | 0.17 | 500 | |
| **Zinc, Total** | 16:13 | 16:14 | 4 | 5764 | **<0.17** | µg/m3 | 0.17 | 2500 | |

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