



*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 | 3/16/2005          |
|              | New York, NY 10006                      | Date Analyzed | 3/16/2005          |
| Collected By | K. DaRocha                              | Job Location  | 130 Liberty Street |
| Collected    | 3/15/2005                               |               |                    |
| Rotometer    | Standard                                |               |                    |

|          |                                 |        |     |
|----------|---------------------------------|--------|-----|
| Lab ID   | 010500910-0001                  | Matrix | Air |
| Field ID | M-031505-301                    |        |     |
| Location | Washington Street/Albany Street |        |     |

| <u>Parameter</u> | <u>Start</u> | <u>End</u> | <u>Flow</u> | <u>Volume</u> | <u>Result</u> | <u>Units</u> | <u>MDL</u> | <u>MCL</u> | <u>Flag</u> |
|------------------|--------------|------------|-------------|---------------|---------------|--------------|------------|------------|-------------|
| Barium, Total    | 16:00        | 16:01      | 4           | 5764          | <0.8675       | µg/m3        | 0.8675     | 500        |             |
| Beryllium, Total | 16:00        | 16:01      | 4           | 5764          | <0.0347       | µg/m3        | 0.0347     | 1          |             |
| Cadmium, Total   | 16:00        | 16:01      | 4           | 5764          | <0.0347       | µg/m3        | 0.0347     | 2.5        |             |
| Chromium, Total  | 16:00        | 16:01      | 4           | 5764          | <0.0868       | µg/m3        | 0.0868     | 500        |             |
| Copper, Total    | 16:00        | 16:01      | 4           | 5764          | <0.1735       | µg/m3        | 0.1735     | 500        |             |
| Lead, Total      | 16:00        | 16:01      | 4           | 5764          | 0.221         | µg/m3        | 0.0868     | 30         |             |
| Manganese, Total | 16:00        | 16:01      | 4           | 5764          | <0.1301       | µg/m3        | 0.1301     | 1000       |             |
| Nickel, Total    | 16:00        | 16:01      | 4           | 5764          | <0.1735       | µg/m3        | 0.1735     | 500        |             |
| Zinc, Total      | 16:00        | 16:01      | 4           | 5764          | <0.1735       | µg/m3        | 0.1735     | 2500       |             |

|          |                                |        |     |
|----------|--------------------------------|--------|-----|
| Lab ID   | 010500910-0002                 | Matrix | Air |
| Field ID | M-031505-302                   |        |     |
| Location | Albany Street/Greenwich Street |        |     |

| <u>Parameter</u> | <u>Start</u> | <u>End</u> | <u>Flow</u> | <u>Volume</u> | <u>Result</u> | <u>Units</u> | <u>MDL</u> | <u>MCL</u> | <u>Flag</u> |
|------------------|--------------|------------|-------------|---------------|---------------|--------------|------------|------------|-------------|
| Barium, Total    | 16:03        | 16:04      | 3.95        | 5692          | <0.8784       | µg/m3        | 0.8784     | 500        |             |
| Beryllium, Total | 16:03        | 16:04      | 3.95        | 5692          | <0.0351       | µg/m3        | 0.0351     | 1          |             |
| Cadmium, Total   | 16:03        | 16:04      | 3.95        | 5692          | <0.0351       | µg/m3        | 0.0351     | 2.5        |             |
| Chromium, Total  | 16:03        | 16:04      | 3.95        | 5692          | <0.0878       | µg/m3        | 0.0878     | 500        |             |
| Copper, Total    | 16:03        | 16:04      | 3.95        | 5692          | <0.1757       | µg/m3        | 0.1757     | 500        |             |
| Lead, Total      | 16:03        | 16:04      | 3.95        | 5692          | <0.0878       | µg/m3        | 0.0878     | 30         |             |
| Manganese, Total | 16:03        | 16:04      | 3.95        | 5692          | <0.1318       | µg/m3        | 0.1318     | 1000       |             |
| Nickel, Total    | 16:03        | 16:04      | 3.95        | 5692          | <0.1757       | µg/m3        | 0.1757     | 500        |             |
| Zinc, Total      | 16:03        | 16:04      | 3.95        | 5692          | <0.1757       | µg/m3        | 0.1757     | 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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CITY\_21MC100\_003228330



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**LMDC Air Metals Profile**

|              |                                         |               |                    |
|--------------|-----------------------------------------|---------------|--------------------|
| Client       | Lower Manhattan Development Corporation | Job Number    | 46600-0000-00001   |
| Address      | One Liberty Plaza, 20th Floor           | Date Received | 3/16/2005          |
|              | New York, NY 10006                      | Date Analyzed | 3/16/2005          |
| Collected By | K. DaRocha                              | Job Location  | 130 Liberty Street |
| Collected    | 3/15/2005                               |               |                    |
| Rotometer    | Standard                                |               |                    |

|          |                  |        |     |
|----------|------------------|--------|-----|
| Lab ID   | 010500910-0003   | Matrix | Air |
| Field ID | M-031505-303     |        |     |
| Location | Greenwich Street |        |     |

| <u>Parameter</u> | <u>Start</u> | <u>End</u> | <u>Flow</u> | <u>Volume</u> | <u>Result</u> | <u>Units</u> | <u>MDL</u> | <u>MCL</u> | <u>Flag</u> |
|------------------|--------------|------------|-------------|---------------|---------------|--------------|------------|------------|-------------|
| Barium, Total    | 16:06        | 16:07      | 4           | 5764          | <0.8675       | µg/m3        | 0.8675     | 500        |             |
| Beryllium, Total | 16:06        | 16:07      | 4           | 5764          | <0.0347       | µg/m3        | 0.0347     | 1          |             |
| Cadmium, Total   | 16:06        | 16:07      | 4           | 5764          | <0.0347       | µg/m3        | 0.0347     | 2.5        |             |
| Chromium, Total  | 16:06        | 16:07      | 4           | 5764          | <0.0868       | µg/m3        | 0.0868     | 500        |             |
| Copper, Total    | 16:06        | 16:07      | 4           | 5764          | <0.1735       | µg/m3        | 0.1735     | 500        |             |
| Lead, Total      | 16:06        | 16:07      | 4           | 5764          | <0.0868       | µg/m3        | 0.0868     | 30         |             |
| Manganese, Total | 16:06        | 16:07      | 4           | 5764          | <0.1301       | µg/m3        | 0.1301     | 1000       |             |
| Nickel, Total    | 16:06        | 16:07      | 4           | 5764          | <0.1735       | µg/m3        | 0.1735     | 500        |             |
| Zinc, Total      | 16:06        | 16:07      | 4           | 5764          | <0.1735       | µg/m3        | 0.1735     | 2500       |             |

|          |                                 |        |     |
|----------|---------------------------------|--------|-----|
| Lab ID   | 010500910-0004                  | Matrix | Air |
| Field ID | M-031505-304                    |        |     |
| Location | Greenwich Street/Liberty Street |        |     |

| <u>Parameter</u> | <u>Start</u> | <u>End</u> | <u>Flow</u> | <u>Volume</u> | <u>Result</u> | <u>Units</u> | <u>MDL</u> | <u>MCL</u> | <u>Flag</u> |
|------------------|--------------|------------|-------------|---------------|---------------|--------------|------------|------------|-------------|
| Barium, Total    | 16:09        | 16:10      | 4           | 5764          | <0.8675       | µg/m3        | 0.8675     | 500        |             |
| Beryllium, Total | 16:09        | 16:10      | 4           | 5764          | <0.0347       | µg/m3        | 0.0347     | 1          |             |
| Cadmium, Total   | 16:09        | 16:10      | 4           | 5764          | <0.0347       | µg/m3        | 0.0347     | 2.5        |             |
| Chromium, Total  | 16:09        | 16:10      | 4           | 5764          | <0.0868       | µg/m3        | 0.0868     | 500        |             |
| Copper, Total    | 16:09        | 16:10      | 4           | 5764          | <0.1735       | µg/m3        | 0.1735     | 500        |             |
| Lead, Total      | 16:09        | 16:10      | 4           | 5764          | <0.0868       | µg/m3        | 0.0868     | 30         |             |
| Manganese, Total | 16:09        | 16:10      | 4           | 5764          | <0.1301       | µg/m3        | 0.1301     | 1000       |             |
| Nickel, Total    | 16:09        | 16:10      | 4           | 5764          | <0.1735       | µg/m3        | 0.1735     | 500        |             |
| Zinc, Total      | 16:09        | 16:10      | 4           | 5764          | <0.1735       | µg/m3        | 0.1735     | 2500       |             |

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

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CITY\_21MC100\_003228331



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|              |                                         |               |                    |
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| Address      | One Liberty Plaza, 20th Floor           | Date Received | 3/16/2005          |
|              | New York, NY 10006                      | Date Analyzed | 3/16/2005          |
| Collected By | K. DaRocha                              | Job Location  | 130 Liberty Street |
| Collected    | 3/15/2005                               |               |                    |
| Rotometer    | Standard                                |               |                    |

|          |                                |        |     |
|----------|--------------------------------|--------|-----|
| Lab ID   | 010500910-0005                 | Matrix | Air |
| Field ID | M-031505-305                   |        |     |
| Location | Washington Street/Cedar Street |        |     |

| <u>Parameter</u> | <u>Start</u> | <u>End</u> | <u>Flow</u> | <u>Volume</u> | <u>Result</u> | <u>Units</u> | <u>MDL</u> | <u>MCL</u> | <u>Flag</u> |
|------------------|--------------|------------|-------------|---------------|---------------|--------------|------------|------------|-------------|
| Barium, Total    | 16:13        | 16:14      | 3.85        | 5548          | <0.9012       | µg/m3        | 0.9012     | 500        |             |
| Beryllium, Total | 16:13        | 16:14      | 3.85        | 5548          | <0.0361       | µg/m3        | 0.0361     | 1          |             |
| Cadmium, Total   | 16:13        | 16:14      | 3.85        | 5548          | <0.0361       | µg/m3        | 0.0361     | 2.5        |             |
| Chromium, Total  | 16:13        | 16:14      | 3.85        | 5548          | <0.0901       | µg/m3        | 0.0901     | 500        |             |
| Copper, Total    | 16:13        | 16:14      | 3.85        | 5548          | <0.1802       | µg/m3        | 0.1802     | 500        |             |
| Lead, Total      | 16:13        | 16:14      | 3.85        | 5548          | <0.0901       | µg/m3        | 0.0901     | 30         |             |
| Manganese, Total | 16:13        | 16:14      | 3.85        | 5548          | <0.1352       | µg/m3        | 0.1352     | 1000       |             |
| Nickel, Total    | 16:13        | 16:14      | 3.85        | 5548          | <0.1802       | µg/m3        | 0.1802     | 500        |             |
| Zinc, Total      | 16:13        | 16:14      | 3.85        | 5548          | <0.1802       | µg/m3        | 0.1802     | 2500       |             |

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

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