



ANALYTICAL SERVICES

## INDUSTRIAL HYGIENE

## ENVIRONMENTAL TESTING

• EPA NVLAP 101262-0  
 • AIHA ACCREDITATION NO. 100439  
 • NC DENR 599

• NY DOH/NELAC 10903  
 • PA DEP 06-353

• NJ DEP PA020  
 • CT DPH PH-0238

Analytical Results  
for

## ATC Associates

WorkOrder: R02050015

Client Reference: 19125-0289, Metals

| Analyte | Concentration |                      |       | Limit of Detection<br>(ug) | Test Method | Date Analyzed<br>/Analyst |
|---------|---------------|----------------------|-------|----------------------------|-------------|---------------------------|
|         | (ug)          | (mg/m <sup>3</sup> ) | (ppm) |                            |             |                           |

| Client ID: ATC-0429-150M-M1 | Lab ID: -01A | Date Sampled: 4/29/2002 |    |     | Matrix: Filter | Air Vol.(L): 1200 |     |
|-----------------------------|--------------|-------------------------|----|-----|----------------|-------------------|-----|
| Aluminum                    | 3.32         | 0.00277                 | -- | 1   | N7300 MCE      | 05/10/2002        | AJB |
| Cadmium                     | <0.200       | <0.000167               | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Chromium                    | 0.760        | 0.000633                | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Cobalt                      | <0.100       | <0.0000833              | -- | 0.1 | N7300 MCE      | 05/10/2002        | AJB |
| Copper                      | 0.238        | 0.000199                | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Iron                        | 4.63         | 0.00386                 | -- | 2   | N7300 MCE      | 05/10/2002        | AJB |
| Lead                        | <0.300       | <0.000250               | -- | 0.3 | N7300 MCE      | 05/10/2002        | AJB |
| Magnesium                   | 4.10         | 0.00341                 | -- | 1.3 | N7300 MCE      | 05/10/2002        | AJB |
| Manganese                   | <0.300       | <0.000250               | -- | 0.3 | N7300 MCE      | 05/10/2002        | AJB |
| Molybdenum                  | <1.00        | <0.000833               | -- | 1   | N7300 MCE      | 05/10/2002        | AJB |
| Nickel                      | <0.200       | <0.000167               | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Zinc                        | <0.500       | <0.000417               | -- | 0.5 | N7300 MCE      | 05/10/2002        | AJB |

| Client ID: ATC-0429-150M-M2 | Lab ID: -02A | Date Sampled: 4/29/2002 |    |     | Matrix: Filter | Air Vol.(L): 1200 |     |
|-----------------------------|--------------|-------------------------|----|-----|----------------|-------------------|-----|
| Aluminum                    | <1.00        | <0.000833               | -- | 1   | N7300 MCE      | 05/10/2002        | AJB |
| Cadmium                     | <0.200       | <0.000167               | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Chromium                    | 0.619        | 0.000516                | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Cobalt                      | <0.100       | <0.0000833              | -- | 0.1 | N7300 MCE      | 05/10/2002        | AJB |
| Copper                      | <0.200       | <0.000167               | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Iron                        | 2.56         | 0.00214                 | -- | 2   | N7300 MCE      | 05/10/2002        | AJB |
| Lead                        | <0.300       | <0.000250               | -- | 0.3 | N7300 MCE      | 05/10/2002        | AJB |
| Magnesium                   | <1.30        | <0.00108                | -- | 1.3 | N7300 MCE      | 05/10/2002        | AJB |
| Manganese                   | <0.300       | <0.000250               | -- | 0.3 | N7300 MCE      | 05/10/2002        | AJB |
| Molybdenum                  | <1.00        | <0.000833               | -- | 1   | N7300 MCE      | 05/10/2002        | AJB |
| Nickel                      | <0.200       | <0.000167               | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Zinc                        | <0.500       | <0.000417               | -- | 0.5 | N7300 MCE      | 05/10/2002        | AJB |



ANALYTICAL SERVICES

## INDUSTRIAL HYGIENE

## ENVIRONMENTAL TESTING

• EPA/NVLAP 101262-0  
 • AIHA ACCREDITATION NO. 100439  
 • NC DENR 599

• NY DOH/NELAC 10903  
 • PA DEP 06-353

• NJ DEP PA020  
 • CT DPH PH-023B

Analytical Results  
for

ATC Associates

WorkOrder: R02050015

Client Reference: 19125-0289, Metals

| Analyte | Concentration |                      |       | Limit of Detection<br>(ug) | Test Method | Date Analyzed<br>/Analyst |
|---------|---------------|----------------------|-------|----------------------------|-------------|---------------------------|
|         | (ug)          | (mg/m <sup>3</sup> ) | (ppm) |                            |             |                           |

| Client ID: ATC-0429-150M-M3 | Lab ID: -03A | Date Sampled: 4/29/2002 |    |     | Matrix: Filter | Air Vol.(L): 1200 |     |
|-----------------------------|--------------|-------------------------|----|-----|----------------|-------------------|-----|
| Aluminum                    | <1.00        | <0.000833               | -- | 1   | N7300 MCE      | 05/10/2002        | AJB |
| Cadmium                     | <0.200       | <0.000167               | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Chromium                    | 0.618        | 0.000515                | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Cobalt                      | <0.100       | <0.0000833              | -- | 0.1 | N7300 MCE      | 05/10/2002        | AJB |
| Copper                      | <0.200       | <0.000167               | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Iron                        | <2.00        | <0.00167                | -- | 2   | N7300 MCE      | 05/10/2002        | AJB |
| Lead                        | <0.300       | <0.000250               | -- | 0.3 | N7300 MCE      | 05/10/2002        | AJB |
| Magnesium                   | <1.30        | <0.00108                | -- | 1.3 | N7300 MCE      | 05/10/2002        | AJB |
| Manganese                   | <0.300       | <0.000250               | -- | 0.3 | N7300 MCE      | 05/10/2002        | AJB |
| Molybdenum                  | <1.00        | <0.000833               | -- | 1   | N7300 MCE      | 05/10/2002        | AJB |
| Nickel                      | <0.200       | <0.000167               | -- | 0.2 | N7300 MCE      | 05/10/2002        | AJB |
| Zinc                        | <0.500       | <0.000417               | -- | 0.5 | N7300 MCE      | 05/10/2002        | AJB |

| Client ID: ATC-0429-150M-M4 | Lab ID: -04A | Date Sampled: 4/29/2002 |    | Matrix: Filter |           | Air Vol.(L): NA |     |
|-----------------------------|--------------|-------------------------|----|----------------|-----------|-----------------|-----|
| Aluminum                    | <1.00        | --                      | -- | 1              | N7300 MCE | 05/10/2002      | AJB |
| Cadmium                     | <0.200       | --                      | -- | 0.2            | N7300 MCE | 05/10/2002      | AJB |
| Chromium                    | 0.451        | --                      | -- | 0.2            | N7300 MCE | 05/10/2002      | AJB |
| Cobalt                      | <0.100       | --                      | -- | 0.1            | N7300 MCE | 05/10/2002      | AJB |
| Copper                      | <0.200       | --                      | -- | 0.2            | N7300 MCE | 05/10/2002      | AJB |
| Iron                        | <2.00        | --                      | -- | 2              | N7300 MCE | 05/10/2002      | AJB |
| Lead                        | <0.300       | --                      | -- | 0.3            | N7300 MCE | 05/10/2002      | AJB |
| Magnesium                   | <1.30        | --                      | -- | 1.3            | N7300 MCE | 05/10/2002      | AJB |
| Manganese                   | <0.300       | --                      | -- | 0.3            | N7300 MCE | 05/10/2002      | AJB |
| Molybdenum                  | <1.00        | --                      | -- | 1              | N7300 MCE | 05/10/2002      | AJB |
| Nickel                      | <0.200       | --                      | -- | 0.2            | N7300 MCE | 05/10/2002      | AJB |
| Zinc                        | <0.500       | --                      | -- | 0.5            | N7300 MCE | 05/10/2002      | AJB |



ANALYTICAL SERVICES

## INDUSTRIAL HYGIENE

## ENVIRONMENTAL TESTING

• EPA/NVLAP 101262-0

• AIHA ACCREDITATION NO. 100439

• NC DENR 599

• NY DOH/RELAC 10903

• PA DEP 06-353

• NJ DEP PA020

• CT DPH PH-0238

Analytical Results  
for

## ATC Associates

WorkOrder: R02050015

Client Reference: 19125-0289, Metals

| Analyte | Concentration |                      |       | Limit of<br>Detection<br>(ug) | Test<br>Method | Date Analyzed<br>/Analyst |
|---------|---------------|----------------------|-------|-------------------------------|----------------|---------------------------|
|         | (ug)          | (mg/m <sup>3</sup> ) | (ppm) |                               |                |                           |

|                             |              |                         |    |                |           |                 |     |
|-----------------------------|--------------|-------------------------|----|----------------|-----------|-----------------|-----|
| Client ID: ATC-0429-150M-M5 | Lab ID: -05A | Date Sampled: 4/29/2002 |    | Matrix: Filter |           | Air Vol.(L): NA |     |
| Aluminum                    | <1.00        | --                      | -- | 1              | N7300 MCE | 05/10/2002      | AJB |
| Cadmium                     | <0.200       | --                      | -- | 0.2            | N7300 MCE | 05/10/2002      | AJB |
| Chromium                    | 0.702        | --                      | -- | 0.2            | N7300 MCE | 05/10/2002      | AJB |
| Cobalt                      | <0.100       | --                      | -- | 0.1            | N7300 MCE | 05/10/2002      | AJB |
| Copper                      | 0.366        | --                      | -- | 0.2            | N7300 MCE | 05/10/2002      | AJB |
| Iron                        | <2.00        | --                      | -- | 2              | N7300 MCE | 05/10/2002      | AJB |
| Lead                        | <0.300       | --                      | -- | 0.3            | N7300 MCE | 05/10/2002      | AJB |
| Magnesium                   | <1.30        | --                      | -- | 1.3            | N7300 MCE | 05/10/2002      | AJB |
| Manganese                   | <0.300       | --                      | -- | 0.3            | N7300 MCE | 05/10/2002      | AJB |
| Molybdenum                  | <1.00        | --                      | -- | 1              | N7300 MCE | 05/10/2002      | AJB |
| Nickel                      | <0.200       | --                      | -- | 0.2            | N7300 MCE | 05/10/2002      | AJB |
| Zinc                        | <0.500       | --                      | -- | 0.5            | N7300 MCE | 05/10/2002      | AJB |

(a) Analysis indicates possible breakthrough; back section result is greater than 0% of the front section result.

## General Notes:

&lt;: Less than the indicated limit of detection (LOD).

--: Information not available or not applicable.

Back sections were checked and showed no significant breakthrough.