NYC 9/11 Public Portal Document

PSC ANALYTICAL SERVICES
4410 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8833 (Fax) 610-921-8667

INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

•EPA PA-00196 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100439 •PA DEP 05-353 •CT DPH PH-0238
•NC DENR 599

## Analytical Results for ATC Associates

**WorkOrder:** R02110362
**Client Reference:** 15-19125-0289

| Analyte | Concentration (ug) | Concentration (mg/m³) | Concentration (ppm) | Limit of Detection (ug) | Test Method | Date Analyzed /Analyst | |
|---|---|---|---|---|---|---|---|
| **Client ID:** ATC-1112-150M-M1 | **Lab ID:** -01A | **Date Sampled:** 11/12/200 | | **Matrix:** Filter | | **Air Vol.(L):** 1200 | |
| Aluminum | <1.00 | <0.000833 | -- | 1 | N7300 MCE | 11/19/2002 | AJB |
| Cadmium | <0.200 | <0.000167 | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Chromium | 0.790 | 0.000659 | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Cobalt | <0.100 | <0.0000833 | -- | 0.1 | N7300 MCE | 11/19/2002 | AJB |
| Copper | <0.200 | <0.000167 | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Iron | <2.00 | <0.00167 | -- | 2 | N7300 MCE | 11/19/2002 | AJB |
| Lead | <0.300 | <0.000250 | -- | 0.3 | N7300 MCE | 11/19/2002 | AJB |
| Magnesium | <1.30 | <0.00108 | -- | 1.3 | N7300 MCE | 11/19/2002 | AJB |
| Manganese | <0.300 | <0.000250 | -- | 0.3 | N7300 MCE | 11/19/2002 | AJB |
| Molybdenum | <1.00 | <0.000833 | -- | 1 | N7300 MCE | 11/19/2002 | AJB |
| Nickel | <0.200 | <0.000167 | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Zinc | <0.500 | <0.000417 | -- | 0.5 | N7300 MCE | 11/19/2002 | AJB |
| **Client ID:** ATC-1112-150M-M2 | **Lab ID:** -02A | **Date Sampled:** 11/12/200 | | **Matrix:** Filter | | **Air Vol.(L):** 1200 | |
| Aluminum | <1.00 | <0.000833 | -- | 1 | N7300 MCE | 11/19/2002 | AJB |
| Cadmium | <0.200 | <0.000167 | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Chromium | 0.510 | 0.000425 | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Cobalt | <0.100 | <0.0000833 | -- | 0.1 | N7300 MCE | 11/19/2002 | AJB |
| Copper | <0.200 | <0.000167 | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Iron | <2.00 | <0.00167 | -- | 2 | N7300 MCE | 11/19/2002 | AJB |
| Lead | <0.300 | <0.000250 | -- | 0.3 | N7300 MCE | 11/19/2002 | AJB |
| Magnesium | <1.30 | <0.00108 | -- | 1.3 | N7300 MCE | 11/19/2002 | AJB |
| Manganese | <0.300 | <0.000250 | -- | 0.3 | N7300 MCE | 11/19/2002 | AJB |
| Molybdenum | <1.00 | <0.000833 | -- | 1 | N7300 MCE | 11/19/2002 | AJB |
| Nickel | <0.200 | <0.000167 | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Zinc | <0.500 | <0.000417 | -- | 0.5 | N7300 MCE | 11/19/2002 | AJB |



CITY_21MC100_003017411

NYC-WTC_000207951

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PSC ANALYTICAL SERVICES
4418 Pottsville Pike Reading, PA 19605
(Tel) 610-521-8332 (Fax) 610-521-8367

INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100499 •PA DEP 06-853 •CT DPH PH-0238
•NC DENR 599

## Analytical Results for ATC Associates

**WorkOrder:** R02110362
**Client Reference:** 15-19125-0289

| Analyte | Concentration (ug) | Concentration (mg/m³) | Concentration (ppm) | Limit of Detection (ug) | Test Method | Date Analyzed /Analyst | |
|---|---|---|---|---|---|---|---|
| **Client ID:** ATC-1112-150M-M3 | **Lab ID:** -03A | **Date Sampled:** 11/12/200 | | **Matrix:** Filter | | **Air Vol.(L):** 1200 | |
| Aluminum | <1.00 | <0.000833 | -- | 1 | N7300 MCE | 11/19/2002 | AJB |
| Cadmium | <0 200 | <0 000167 | -- | 0 2 | N7300 MCE | 11/19/2002 | AJB |
| Chromium | 0 678 | 0 000565 | -- | 0 2 | N7300 MCE | 11/19/2002 | AJB |
| Cobalt | <0.100 | <0.0000833 | -- | 0 1 | N7300 MCE | 11/19/2002 | AJB |
| Copper | <0.200 | <0 000167 | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Iron | <2 00 | <0 00167 | -- | 2 | N7300 MCE | 11/19/2002 | AJB |
| Lead | <0 300 | <0 000250 | -- | 0 3 | N7300 MCE | 11/19/2002 | AJB |
| Magnesium | <1.30 | <0.00108 | -- | 1 3 | N7300 MCE | 11/19/2002 | AJB |
| Manganese | <0.300 | <0 000250 | -- | 0 3 | N7300 MCE | 11/19/2002 | AJB |
| Molybdenum | <1 00 | <0 000833 | -- | 1 | N7300 MCE | 11/19/2002 | AJB |
| Nickel | <0 200 | <0.000167 | -- | 0 2 | N7300 MCE | 11/19/2002 | AJB |
| Zinc | <0 500 | <0 000417 | -- | 0.5 | N7300 MCE | 11/19/2002 | AJB |
| **Client ID:** ATC-1112-150M-M4 | **Lab ID:** -04A | **Date Sampled:** 11/12/200 | | **Matrix:** Filter | | **Air Vol.(L):** NA | |
| Aluminum | <1.00 | -- | -- | 1 | N7300 MCE | 11/19/2002 | AJB |
| Cadmium | <0 200 | -- | -- | 0 2 | N7300 MCE | 11/19/2002 | AJB |
| Chromium | 0 810 | -- | -- | 0 2 | N7300 MCE | 11/19/2002 | AJB |
| Cobalt | <0.100 | -- | -- | 0 1 | N7300 MCE | 11/19/2002 | AJB |
| Copper | <0 200 | -- | -- | 0 2 | N7300 MCE | 11/19/2002 | AJB |
| Iron | <2.00 | -- | -- | 2 | N7300 MCE | 11/19/2002 | AJB |
| Lead | <0 300 | -- | -- | 0 3 | N7300 MCE | 11/19/2002 | AJB |
| Magnesium | <1 30 | -- | -- | 1.3 | N7300 MCE | 11/19/2002 | AJB |
| Manganese | <0.300 | -- | -- | 0.3 | N7300 MCE | 11/19/2002 | AJB |
| Molybdenum | <1 00 | -- | -- | 1 | N7300 MCE | 11/19/2002 | AJB |
| Nickel | <0 200 | -- | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Zinc | <0.500 | -- | -- | 0 5 | N7300 MCE | 11/19/2002 | AJB |



CITY_21MC100_003017412

NYC-WTC_000207952

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PSC ANALYTICAL SERVICES
4418 Pottsville Pike Reading, PA 19605
(Tel) 610-921-8933 (Fax) 610-921-8607

INDUSTRIAL HYGIENE ENVIRONMENTAL TESTING

•EPA PA-00136 •NY DOH/NELAC 10903 •NJ DEP PA020
•AIHA ACCREDITATION NO. 100489 •PA DEP 06-333 •CT DPH PH-0238
•NC DENR 599

## Analytical Results for ATC Associates

**WorkOrder:** R02110362
**Client Reference:** 15-19125-0289

| Analyte | Concentration (ug) | Concentration (mg/m³) | Concentration (ppm) | Limit of Detection (ug) | Test Method | Date Analyzed /Analyst | |
|---|---|---|---|---|---|---|---|
| **Client ID:** ATC-1112-150M-M5 | **Lab ID:** -05A | **Date Sampled:** 11/12/200 | | **Matrix:** Filter | | **Air Vol.(L):** NA | |
| Aluminum | <1 00 | -- | -- | 1 | N7300 MCE | 11/19/2002 | AJB |
| Cadmium | <0.200 | -- | -- | 0 2 | N7300 MCE | 11/19/2002 | AJB |
| Chromium | 0 841 | -- | -- | 0 2 | N7300 MCE | 11/19/2002 | AJB |
| Cobalt | <0.100 | -- | -- | 0.1 | N7300 MCE | 11/19/2002 | AJB |
| Copper | <0.200 | -- | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Iron | <2 00 | -- | -- | 2 | N7300 MCE | 11/19/2002 | AJB |
| Lead | <0.300 | -- | -- | 0.3 | N7300 MCE | 11/19/2002 | AJB |
| Magnesium | <1.30 | -- | -- | 1 3 | N7300 MCE | 11/19/2002 | AJB |
| Manganese | <0.300 | -- | -- | 0.3 | N7300 MCE | 11/19/2002 | AJB |
| Molybdenum | <1 00 | -- | -- | 1 | N7300 MCE | 11/19/2002 | AJB |
| Nickel | <0 200 | -- | -- | 0.2 | N7300 MCE | 11/19/2002 | AJB |
| Zinc | <0 500 | -- | -- | 0 5 | N7300 MCE | 11/19/2002 | AJB |

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

General Notes:
<. Less than the indicated limit of detection (LOD)
--: Information not available or not applicable.
Back sections were checked and showed no significant breakthrough.



CITY_21MC100_003017413

NYC-WTC_000207953