



ANALYTICAL SERVICES

## INDUSTRIAL HYGIENE

## ENVIRONMENTAL TESTING

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

• NY DOH NELAC 10803  
• PA DEP 06-353

• NJ DEP PA020  
• CT DPH PH-0238

Analytical Results  
for

ATC Associates

WorkOrder: R02040268

Client Reference: 19125-0279

| Analyte                                                                                                       | Concentration |         |        | Limit of Detection<br>(ug) | Test Method          | Date Analyzed /Analyst |
|---------------------------------------------------------------------------------------------------------------|---------------|---------|--------|----------------------------|----------------------|------------------------|
|                                                                                                               | (ug)          | (mg/m³) | (ppm)  |                            |                      |                        |
| Client ID: VOC1 ATC-0402-234M<br>Lab ID: -01A<br>Date Sampled: 4/2/02<br>Matrix: Charcoal<br>Air Vol.(L): 120 |               |         |        |                            |                      |                        |
| 1,1,1-Trichloroethane                                                                                         | <20           | <0.17   | <0.031 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| 1,2-Dichloroethane                                                                                            | <20           | <0.17   | <0.041 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| A Hydrocarbons, Total                                                                                         | <20           | <0.17   | <0.047 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Acetone                                                                                                       | <20           | <0.17   | <0.070 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| B Hydrocarbons, Total                                                                                         | <20           | <0.17   | <0.044 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Benzene                                                                                                       | <20           | <0.17   | <0.052 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Chlorobenzene                                                                                                 | <20           | <0.17   | <0.036 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Chloroform                                                                                                    | <20           | <0.17   | <0.034 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Ethylbenzene                                                                                                  | <20           | <0.17   | <0.038 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Hexane                                                                                                        | <20           | <0.17   | <0.047 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Isopropylbenzene                                                                                              | <20           | <0.17   | <0.034 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Methylene Chloride                                                                                            | <20           | <0.17   | <0.048 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Pentane                                                                                                       | <20           | <0.17   | <0.056 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Styrene                                                                                                       | <20           | <0.17   | <0.039 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Tetrachloroethene                                                                                             | <20           | <0.17   | <0.025 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Toluene                                                                                                       | <20           | <0.17   | <0.044 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Trichloroethene                                                                                               | <20           | <0.17   | <0.031 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Xylenes, Total                                                                                                | <20           | <0.17   | <0.038 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |



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• NC DENR 589

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

• NJ DEP PA020  
• CT DPH PH-0238

Analytical Results  
for

ATC Associates

WorkOrder: R02040268

Client Reference: 19125-0279

| Analyte                                                                                                        | Concentration |         |        | Limit of Detection<br>(ug) | Test Method          | Date Analyzed<br>/Analyst |
|----------------------------------------------------------------------------------------------------------------|---------------|---------|--------|----------------------------|----------------------|---------------------------|
|                                                                                                                | (ug)          | (mg/m³) | (ppm)  |                            |                      |                           |
| Client ID: VOC2 ATC-0402-234M 1st floor<br>Lab ID: -02A Date Sampled: 4/2/02 Matrix: Charcoal Air Vol.(L): 120 |               |         |        |                            |                      |                           |
| 1,1,1-Trichloroethane                                                                                          | <20           | <0.17   | <0.031 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| 1,2-Dichloroethane                                                                                             | <20           | <0.17   | <0.041 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| A Hydrocarbons, Total                                                                                          | <20           | <0.17   | <0.047 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Acetone                                                                                                        | 200           | 1.7     | 0.70   | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| B Hydrocarbons, Total                                                                                          | <20           | <0.17   | <0.044 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Benzene                                                                                                        | <20           | <0.17   | <0.052 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Chlorobenzene                                                                                                  | <20           | <0.17   | <0.036 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Chloroform                                                                                                     | <20           | <0.17   | <0.034 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Ethylbenzene                                                                                                   | <20           | <0.17   | <0.038 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Hexane                                                                                                         | 37            | 0.31    | 0.087  | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Isopropylbenzene                                                                                               | <20           | <0.17   | <0.034 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Methylene Chloride                                                                                             | <20           | <0.17   | <0.048 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Pentane                                                                                                        | <20           | <0.17   | <0.056 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Styrene                                                                                                        | <20           | <0.17   | <0.039 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Tetrachloroethene                                                                                              | <20           | <0.17   | <0.025 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Toluene                                                                                                        | <20           | <0.17   | <0.044 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Trichloroethene                                                                                                | <20           | <0.17   | <0.031 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |
| Xylenes, Total                                                                                                 | <20           | <0.17   | <0.038 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM            |



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• PA DEP 06-353

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Analytical Results  
for

## ATC Associates

WorkOrder: R02040268

Client Reference: 19125-0279

| Analyte                                                                                                   | Concentration |         |        | Limit of Detection<br>(ug) | Test Method          | Date Analyzed /Analyst |     |
|-----------------------------------------------------------------------------------------------------------|---------------|---------|--------|----------------------------|----------------------|------------------------|-----|
|                                                                                                           | (ug)          | (mg/m³) | (ppm)  |                            |                      |                        |     |
| Client ID: VOC3 ATC-0402-234M West<br>Lab ID: -03A Date Sampled: 4/2/02 Matrix: Charcoal Air Vol.(L): 120 |               |         |        |                            |                      |                        |     |
| 1,1,1-Trichloroethane                                                                                     | <20           | <0.17   | <0.031 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| 1,2-Dichloroethane                                                                                        | <20           | <0.17   | <0.041 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| A Hydrocarbons, Total                                                                                     | <20           | <0.17   | <0.047 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Acetone                                                                                                   | <20           | <0.17   | <0.070 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| B Hydrocarbons, Total                                                                                     | <20           | <0.17   | <0.044 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Benzene                                                                                                   | <20           | <0.17   | <0.052 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Chlorobenzene                                                                                             | <20           | <0.17   | <0.036 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Chloroform                                                                                                | <20           | <0.17   | <0.034 | 20                         | Total Hydrocarbon Sc | 04/08/2002             | JMM |
| Ethylbenzene                                                                                              | <20           | <0.17   | <0.038 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Hexane                                                                                                    | <20           | <0.17   | <0.047 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Isopropylbenzene                                                                                          | <20           | <0.17   | <0.034 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Methylene Chloride                                                                                        | <20           | <0.17   | <0.048 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Pentane                                                                                                   | <20           | <0.17   | <0.056 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Styrene                                                                                                   | <20           | <0.17   | <0.039 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Tetrachloroethene                                                                                         | <20           | <0.17   | <0.025 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Toluene                                                                                                   | <20           | <0.17   | <0.044 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Trichloroethene                                                                                           | <20           | <0.17   | <0.031 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |
| Xylenes, Total                                                                                            | <20           | <0.17   | <0.038 | 20                         | Total Hydrocarbon Sc | 04/06/2002             | JMM |



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## ATC Associates

WorkOrder: R02040268

Client Reference: 19125-0279

| Analyte                                                                                                       | Concentration |         |        | Limit of Detection<br>(ug) | Test Method          | Date Analyzed /Analyst |
|---------------------------------------------------------------------------------------------------------------|---------------|---------|--------|----------------------------|----------------------|------------------------|
|                                                                                                               | (ug)          | (mg/m³) | (ppm)  |                            |                      |                        |
| Client ID: VOC4 ATC-0402-234M <i>Post</i> Lab ID: -04A Date Sampled: 4/2/02 Matrix: Charcoal Air Vol.(L): 120 |               |         |        |                            |                      |                        |
| 1,1,1-Trichloroethane                                                                                         | <20           | <0.17   | <0.031 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| 1,2-Dichloroethane                                                                                            | <20           | <0.17   | <0.041 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| A Hydrocarbons, Total                                                                                         | <20           | <0.17   | <0.047 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Acetone                                                                                                       | 120           | 1.0     | 0.42   | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| B Hydrocarbons, Total                                                                                         | <20           | <0.17   | <0.044 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Benzene                                                                                                       | <20           | <0.17   | <0.052 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Chlorobenzene                                                                                                 | <20           | <0.17   | <0.036 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Chloroform                                                                                                    | <20           | <0.17   | <0.034 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Ethylbenzene                                                                                                  | <20           | <0.17   | <0.038 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Hexane                                                                                                        | 29            | 0.24    | 0.069  | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Isopropylbenzene                                                                                              | <20           | <0.17   | <0.034 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Methylene Chloride                                                                                            | <20           | <0.17   | <0.048 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Pentane                                                                                                       | <20           | <0.17   | <0.056 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Styrene                                                                                                       | <20           | <0.17   | <0.039 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Tetrachloroethene                                                                                             | <20           | <0.17   | <0.025 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Toluene                                                                                                       | <20           | <0.17   | <0.044 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Trichloroethene                                                                                               | <20           | <0.17   | <0.031 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Xylenes, Total                                                                                                | <20           | <0.17   | <0.038 | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |



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Analytical Results  
for

## ATC Associates

WorkOrder: R02040268

Client Reference: 19125-0279

| Analyte                              | Concentration |                      |       | Limit of Detection<br>(ug) | Test Method          | Date Analyzed /Analyst |
|--------------------------------------|---------------|----------------------|-------|----------------------------|----------------------|------------------------|
|                                      | (ug)          | (mg/m³)              | (ppm) |                            |                      |                        |
| Client ID: VOC5 ATC-0402-234M, Blank | Lab ID: -05A  | Date Sampled: 4/2/02 |       | Matrix: Charcoal           |                      | Air Vol.(L): NA        |
| 1,1,1-Trichloroethane                | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| 1,2-Dichloroethane                   | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| A Hydrocarbons, Total                | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Acetone                              | 39            | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| B Hydrocarbons, Total                | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Benzene                              | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Chlorobenzene                        | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Chloroform                           | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Ethylbenzene                         | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Hexane                               | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Isopropylbenzene                     | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Methylene Chloride                   | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Pentane                              | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Styrene                              | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Tetrachloroethene                    | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Toluene                              | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Trichloroethene                      | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |
| Xylenes, Total                       | <20           | --                   | --    | 20                         | Total Hydrocarbon Sc | 04/06/2002 JMM         |

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