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## Method 8290 Blank Analysis Results

Client - ATC ASSOCIATES

|                        |                         |             |                  |
|------------------------|-------------------------|-------------|------------------|
| Lab Sample ID          | BLANK-2231              | Matrix      | WIPE             |
| Filename               | U21008B_05              | Dilution    | NA               |
| Total Amount Extracted | 1.00 m2                 | Extracted   | 09/29/2002       |
| ICAL Date              | 08/06/2002              | Analyzed    | 10/09/2002 00:50 |
| CCal Filename(s)       | U21008A_17 & U21008B_16 | Injected By | MRO              |

| Native Isomers      | Conc ng/m2 | EMPC ng/m2 | LRL ng/m2 | Internal Standards      | ng's Added | Percent Recovery |
|---------------------|------------|------------|-----------|-------------------------|------------|------------------|
| 2,3,7,8-TCDF        | ND         | ---        | 0.00200   | 2,3,7,8-TCDF-13C        | 2.00       | 62               |
| Total TCDF          | ND         | ---        | 0.00200   | 2,3,7,8-TCDD-13C        | 2.00       | 63               |
|                     |            |            |           | 1,2,3,7,8-PeCDF-13C     | 2.00       | 70               |
| 2,3,7,8-TCDD        | ND         | ---        | 0.00200   | 2,3,4,7,8-PeCDF-13C     | 2.00       | 71               |
| Total TCDD          | ND         | ---        | 0.00200   | 1,2,3,7,8-PeCDD-13C     | 2.00       | 70               |
|                     |            |            |           | 1,2,3,4,7,8-HxCDF-13C   | 2.00       | 76               |
| 1,2,3,7,8-PeCDF     | ND         | ---        | 0.01000   | 1,2,3,6,7,8-HxCDF-13C   | 2.00       | 88               |
| 2,3,4,7,8-PeCDF     | ND         | ---        | 0.01000   | 2,3,4,6,7,8-HxCDF-13C   | 2.00       | 80               |
| Total PeCDF         | ND         | ---        | 0.01000   | 1,2,3,7,8,9-HxCDF-13C   | 2.00       | 81               |
|                     |            |            |           | 1,2,3,4,7,8-HxCDD-13C   | 2.00       | 81               |
| 1,2,3,7,8-PeCDD     | ND         | ---        | 0.01000   | 1,2,3,6,7,8-HxCDD-13C   | 2.00       | 79               |
| Total PeCDD         | ND         | ---        | 0.01000   | 1,2,3,4,6,7,8-HpCDF-13C | 2.00       | 77               |
|                     |            |            |           | 1,2,3,4,7,8,9-HpCDF-13C | 2.00       | 74               |
| 1,2,3,4,7,8-HxCDF   | ND         | ---        | 0.01000   | 1,2,3,4,6,7,8-HpCDD-13C | 2.00       | 71               |
| 1,2,3,6,7,8-HxCDF   | ND         | ---        | 0.01000   | OCDD-13C                | 4.00       | 59               |
| 2,3,4,6,7,8-HxCDF   | ND         | ---        | 0.01000   |                         |            |                  |
| 1,2,3,7,8,9-HxCDF   | ND         | ---        | 0.01000   | 1,2,3,4-TCDD-13C        | 2.00       | NA               |
| Total HxCDF         | ND         | ---        | 0.01000   | 1,2,3,7,8,9-HxCDD-13C   | 2.00       | NA               |
|                     |            |            |           |                         |            |                  |
| 1,2,3,4,7,8-HxCDD   | ND         | ---        | 0.01000   | 2,3,7,8-TCDD-37Cl4      | 0.20       | 69               |
| 1,2,3,6,7,8-HxCDD   | ND         | ---        | 0.01000   |                         |            |                  |
| 1,2,3,7,8,9-HxCDD   | ND         | ---        | 0.01000   |                         |            |                  |
| Total HxCDD         | ND         | ---        | 0.01000   |                         |            |                  |
|                     |            |            |           |                         |            |                  |
| 1,2,3,4,6,7,8-HpCDF | ND         | ---        | 0.01000   | Total 2,3,7,8-TCDD      |            |                  |
| 1,2,3,4,7,8,9-HpCDF | ND         | ---        | 0.01000   | Equivalence: 0.00 ng/m2 |            |                  |
| Total HpCDF         | ND         | ---        | 0.01000   | (Using ITE Factors)     |            |                  |
|                     |            |            |           |                         |            |                  |
| 1,2,3,4,6,7,8-HpCDD | ND         | ---        | 0.01000   |                         |            |                  |
| Total HpCDD         | ND         | ---        | 0.01000   |                         |            |                  |
|                     |            |            |           |                         |            |                  |
| OCDF                | ND         | ---        | 0.02000   |                         |            |                  |
| OCDD                | ND         | ---        | 0.02000   |                         |            |                  |

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).  
EMPC = Estimated Maximum Possible Concentration  
LRL = Lower Reporting Limit  
J = Concentration detected is below the calibration range  
P = Recovery outside of target range  
A = Detection Limit based on signal-to-noise measurement

I = Interference  
E = PCDE Interference  
ND = Not Detected  
NA = Not Applicable  
NC = Not Calculated  
\* = See Discussion.

Report No.....1061946

## REPORT OF LABORATORY ANALYSIS

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