



Submitted To: Kerri Castlen
Hamilton County Environmental Services
250 William Howard Taft Road
Cincinnati, OH
45219

Reference Data:

| | |
|----------------------|--------------|
| Sample Location: | Lanxess |
| Sample Type: | Canister |
| Client Sample No.: | 106813072105 |
| PO #: | 270047685 |
| Method Reference: | TO-15 |
| Sample Set ID#: | 05-M-4066 |
| DATA CHEM Lab No.: | 05-25036 |
| Sample Receipt Date: | 7/22/2005 |
| Analysis Date: | 7/25/2005 |

Sample condition was acceptable upon receipt except where noted.

The above numbered samples were analyzed for volatile organic compounds by EPA method TO-15 using an Entech 7000 Cryogenic Preconcentrator and a Hewlett-Packard GC/MS/DS operating in the scan mode.

Quantitation is based upon average response factors generated from a five-point curve. The results are provided in the enclosed data table. Results relate only to the items tested and are not blank corrected.

This report shall not be reproduced except in full, without the written approval of the laboratory.



Mark Johnson

Data Table PPB

| Client # | 1068130721 05 | | | | EQL |
|---------------------------|------------------|-------|--|--|------|
| DCL # | 05-25036 | Blank | | | |
| Propene | ND | ND | | | 1 |
| Dichlorodifluoromethane | ND | ND | | | 1 |
| Freon 114 | ND | ND | | | 1 |
| Chloromethane | ND | ND | | | 1 |
| 1,3-Butadiene | 2.5 | ND | | | 0.5* |
| Vinyl Chloride | ND | ND | | | 1 |
| Bromomethane | ND | ND | | | 1 |
| Chloroethane | ND | ND | | | 1 |
| Trichlorofluoromethane | ND | ND | | | 1 |
| 2-Propanol | ND | ND | | | 1 |
| 1,1-Dichloroethene | ND | ND | | | 1 |
| Freon 113 | ND | ND | | | 1 |
| Acetone | ND | ND | | | 8 |
| Carbon Disulfide | ND | ND | | | 1 |
| Methylene Chloride | ND | ND | | | 1 |
| MTBE | ND | ND | | | 1 |
| Trans 1,2-Dichloroethene | ND | ND | | | 1 |
| Vinyl Acetate | ND | ND | | | 1 |
| Hexane | ND | ND | | | 1 |
| 1,1-Dichloroethane | ND | ND | | | 1 |
| Cis-1,2-Dichloroethene | ND | ND | | | 1 |
| 2-Butanone | ND | ND | | | 1 |
| Ethyl Acetate | ND | ND | | | 1 |
| Chloroform | ND | ND | | | 1 |
| Tetrahydrofuran | ND | ND | | | 1 |
| 1,1,1-Trichloroethane | ND | ND | | | 1 |
| Cyclohexane | ND | ND | | | 1 |
| Carbon Tetrachloride | ND | ND | | | 1 |
| Heptane | ND | ND | | | 1 |
| Benzene | 1 | ND | | | 1 |
| 1,2-Dichloroethane | ND | ND | | | 1 |
| Trichloroethene | ND | ND | | | 1 |
| 1,2-Dichloropropane | ND | ND | | | 1 |
| 1,4 Dioxane | ND | ND | | | 1 |
| Bromodichloromethane | ND | ND | | | 1 |
| cis-1,3-Dichloropropene | ND | ND | | | 1 |
| 4-Methyl 2-Pentanone | ND | ND | | | 1 |
| Toluene | ND | ND | | | 1 |
| trans-1,3-Dichloropropene | ND | ND | | | 1 |
| 1,1,2-Trichloroethane | ND | ND | | | 1 |
| Tetrachloroethene | ND | ND | | | 1 |
| 2-Hexanone | ND | ND | | | 1 |
| Dibromochloromethane | ND | ND | | | 1 |

ND indicates not detected at or above the EQL value.

Data Table PPB

| | | | | | |
|---------------------------|------------------|-------|--|--|------|
| Client # | 1068130721 05 | | | | EQL |
| DCL # | 05-25036 | Blank | | | |
| 1,2-Dibromoethane | ND | ND | | | 1 |
| Chlorobenzene | ND | ND | | | 1 |
| Ethylbenzene | ND | ND | | | 1 |
| M&P Xylene | ND | ND | | | 1 |
| O Xylene | ND | ND | | | 1 |
| Styrene | 0.24 J | ND | | | 0.5* |
| Bromoform | ND | ND | | | 1 |
| 1,1,2,2-Tetrachloroethane | ND | ND | | | 1 |
| 4-Ethyl Toluene | ND | ND | | | 1 |
| 1,3,5-Trimethylbenzene | ND | ND | | | 1 |
| 1,2,4-Trimethylbenzene | ND | ND | | | 1 |
| 1,3-Dichlorobenzene | ND | ND | | | 1 |
| 1,4-Dichlorobenzene | ND | ND | | | 1 |
| Benzyl Chloride | ND | ND | | | 1 |
| 1,2-Dichlorobenzene | ND | ND | | | 1 |
| 1,2,4-Trichlorobenzene | ND | ND | | | 1 |
| Hexachlorobutadiene | ND | ND | | | 1 |
| Acrylonitrile | ND | ND | | | 0.5* |

ND indicates not detected at or above the EQL value. *MDL value. J indicates value below the EQL.

Internal Standard Recovery

| | | | | |
|---------------------------|-----|----|--|--|
| % Rec Bromochloromethane | 98 | 95 | | |
| % Rec 1,4-Difluorobenzene | 98 | 91 | | |
| % Rec Chlorobenzene-d5 | 100 | 84 | | |

Surrogate Recovery

| | | | | |
|--------------------------|----|----|--|--|
| % Rec Bromofluorobenzene | 88 | 93 | | |
|--------------------------|----|----|--|--|

Acceptable Internal Standard and Surrogate recovery range between 60-140.

Unknown Compounds Tentative Identification

PPB

| | | | | |
|-----------------|----|--|--|--|
| Ethanol* | 42 | | | |
| Butanol Isomer* | 5 | | | |
| | | | | |
| | | | | |

* Tentative identification based on NBS spectral library. Quantitated values are based on a response factor of 1 and comparison to the closest internal standard and should be considered estimates.

Mark Johnson

Olivia Updegraff

Mark Johnson
Analyst

Reviewer

