# Countywide Recycling & Disposal Facility
## Ambient Air Monitoring
## Monthly Report #9

February 20, 2008

# APPENDIX A

# Laboratory Analytical Results from December 26/27, 2007

# *Certificate of Analysis*

**CLIENT INFORMATION**

**Lawhon and Associates, Inc.**
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attention: Shawn Ansbro

Project#: 07-0082

**LABORATORY INFORMATION**

Contact: Michael H. Leftin, Ph.D.
IAL Job No.: E07-13549
Date Received: 12/28/07

Sample#:
E07-13549-01, E07-13549-02, E07-13549-03, E07-13549-04

Samples for this analysis were received in good condition with a chain of custody.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing.
Once analysis has been performed on canisters that meets regulatory criteria, samples are recycled for future use, unless other provisions have been made by the client.

Analysis conducted at Integrated Analytical Laboratory, Randolph NJ
ELAP lab number - 11402
NJDEP number - 14751
AIHA number - 100201

Michael H. Leftin, Ph.D.
Laboratory Director

## *Integrated Analytical Laboratories LLC*

### Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/10/08
Job Number: E07-13549
Date Received: 12/28/07
Date Analyzed: 1/7/08
Data File: 010711
Summa ID: 3277

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-S1226 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E07-13549-01 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | ND | ND | 0.50 | 1.2 |
| Benzene | 71-43-2 | 2.5 | 7.9 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | ND | ND | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 1.1 | 2.3 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | 0.72 | 2.5 | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 1.4 | 6.9 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | 0.89 | 3.9 | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 1.2 | 4.7 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 4.1 | 14 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 0.86 | 2.5 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 9.1 | 34 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | 0.51 | 2.9 | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 1.1 | 5.6 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | 1.6 | 7.7 | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 3.1 | 14 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | 1.1 | 4.9 | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

# *Integrated Analytical Laboratories LLC*

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/10/08
Job Number: E07-13549
Date Received: 12/28/07
Date Analyzed: 1/8/08
Data File: 010802
Summa ID: 2160

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-G1226 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E07-13549-02 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 18 | 44 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 2.2 | 7.1 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 31 | 93 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.92 | 1.9 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 1.3 | 6.2 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 1.1 | 4.7 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 1.1 | 4.0 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 3.5 | 10 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | 0.60 | 2.1 | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 3.5 | 13 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.63 | 3.1 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 1.6 | 6.8 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

# *Integrated Analytical Laboratories LLC*

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/10/08
Job Number: E07-13549
Date Received: 12/28/07
Date Analyzed: 1/7/08
Data File: 010713
Summa ID: 3041A

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-W1226 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E07-13549-03 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | ND | ND | 0.50 | 1.2 |
| Benzene | 71-43-2 | 2.5 | 8.0 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 29 | 87 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.86 | 1.8 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 1.4 | 6.7 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 0.83 | 3.4 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 1.1 | 4.0 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 2.4 | 7.2 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 2.4 | 8.9 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.64 | 3.2 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 1.1 | 4.8 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

## *Integrated Analytical Laboratories LLC*

### Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/10/08
Job Number: E07-13549
Date Received: 12/28/07
Date Analyzed: 1/8/08
Data File: 010714
Summa ID: 3038

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-C1226 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E07-13549-04 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | ND | ND | 0.50 | 1.2 |
| Benzene | 71-43-2 | 7.4 | 24 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 2.9 | 8.7 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | ND | ND | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.82 | 4.1 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | 0.67 | 2.9 | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 0.62 | 2.5 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 1.0 | 3.6 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 1.9 | 5.6 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 3.4 | 13 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 1.4 | 6.8 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 2.8 | 12 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | 1.2 | 5.0 | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

# Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082, Countrywide

Report Date: 1/9/2008
Job Number: E07-13549
Date Received: 12/28/2007
Date Analyzed: 1/7/2008

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S1226
IAL ID: E07-13549-01

Data File: 010711
Canister ID 3277

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Butane | 106-97-8 | 64 | 3.7 | 8.8 |
| Acetonitrile | 75-05-8 | 9 | 1.2 | 2.0 |
| Butane, 2-methyl- | 78-78-4 | 64 | 11 | 32 |
| Pentane | 109-66-0 | 90 | 4.6 | 14 |
| Butane, 2,3-dimethyl- | 79-29-8 | 64 | 1.6 | 5.6 |
| Pentane, 2-methyl- | 107-83-5 | 91 | 5.0 | 18 |
| Pentane, 3-methyl- | 96-14-0 | 90 | 3.1 | 11 |
| Cyclopentane, methyl- | 96-37-7 | 91 | 2.7 | 9.3 |
| Hexane, 2-methyl- | 591-76-4 | 91 | 2.3 | 9.4 |
| Pentane, 2,3-dimethyl- | 565-59-3 | 80 | 1.2 | 4.9 |
| Hexane, 3-methyl- | 589-34-4 | 86 | 1.9 | 7.8 |

Sample Name: SU-G1226
IAL ID: E07-13549-02

Data File: 010802
Canister ID 2160

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Isobutane | 75-28-5 | 72 | 2.0 | 4.7 |
| Acetaldehyde | 75-07-0 | 4 | 3.4 | 6.1 |
| 1-Propene, 2-methyl- | 115-11-7 | 80 | 9 | 20 |
| Butane | 106-97-8 | 9 | 6.1 | 14 |
| Ethanol | 64-17-5 | 9 | 1.7 | 3.2 |
| Acetonitrile | 75-05-8 | 50 | 17 | 29 |
| 1-Pentene | 109-67-1 | 68 | 4.4 | 13 |
| Pentane | 109-66-0 | 83 | 3.8 | 11 |
| Butanal | 123-72-8 | 91 | 6.2 | 18 |
| Propanedioic acid, oxo, bis(2-m… | 92778-43-3 | 53 | 3.2 | 30 |
| Heptane, 3-methylene- | 1632-16-2 | 90 | 2.5 | 11 |

# Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082, Countrywide

Report Date: 1/9/2008
Job Number: E07-13549
Date Received: 12/28/2007
Date Analyzed: 1/7/2008

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W1226
IAL ID: E07-13549-03

Data File: 010713
Canister ID 3041A

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Isobutane | 75-28-5 | 86 | 2.1 | 5.0 |
| Acetaldehyde | 75-07-0 | 5 | 2.4 | 4.3 |
| 1-Propene, 2-methyl- | 115-11-7 | 86 | 5.7 | 14 |
| Butane | 106-97-8 | 50 | 5.9 | 14 |
| Acetonitrile | 75-05-8 | 45 | 13 | 22 |
| Butane, 2-methyl- | 78-78-4 | 25 | 13 | 38 |
| 1-Pentene | 109-67-1 | 64 | 3.3 | 9.4 |
| Pentane | 109-66-0 | 91 | 2.8 | 8.2 |
| Butanal | 123-72-8 | 87 | 2.6 | 7.7 |
| Diazene, bis(1.1-dimethylethyl)- | 927-83-3 | 43 | 2.4 | 14 |
| Naphthalene, 1,2,3,4-tetrahydro-... | 4175-54-6 | 60 | 2.3 | 15 |

Sample Name: SU-C1226
IAL ID: E07-13549-04

Data File: 010714
Canister ID 3038

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| 1-Propyne | 74-99-7 | 5 | 533 | 872 |
| 1R-.alpha.-Pinene | 7785-70-8 | 94 | 3.1 | 17 |

**Summary of Results**

Lawhon & Associates, Inc.
975 Eastwind Drive Suite 190
Westerville, OH 43081
Att: Shawn Ansbro
Jobsite: Countywide
Project: #07-0082

Report Date: 1/7/08
Job Number: E07-13549
Date Received: 12/28/07
Date Analyzed: 1/3/08

Analysis: Aldehydes and Ketones, EPA Method TO-11a

| Sample Name: | S1226-01A | | S1226-02A | | S1226-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E07-13549-17 | | E07-13549-18 | | E07-13549-19 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.14 | 0.29 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| Sample Name: | G1226-01A | | G1226-02A | | G1226-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E07-13549-20 | | E07-13549-21 | | E07-13549-22 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.16 | 0.33 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.10 | < 0.2 | 0.1 |



Lawhon & Associates, Inc.
Jobsite: Countywide
Project: #07-0082

Job Number: E07-13549

Analysis: Aldehydes and Ketones, EPA Method TO-11a

| Sample Name: | W1226-01A | | W1226-02A | | W1226-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E07-13549-23 | | E07-13549-24 | | E07-13549-25 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 1.3 | 2.7 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.48 | 1.0 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.17 | 0.36 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.10 | 0.22 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.86 | 1.8 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.40 | 0.83 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 1.3 | 2.7 | 0.1 |

| Sample Name: | C1226-01A | | C1226-02A | | C1226-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E07-13549-26 | | E07-13549-27 | | E07-13549-28 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | 0.17 | 0.35 | 1.9 | 4.0 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.70 | 1.5 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.26 | 0.54 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.30 | 0.63 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.94 | 2.0 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 1.2 | 2.6 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 3.6 | 7.5 | 0.1 |

Notes: Calculations of concentrations in air are based upon air sampling data reported by client.
Analytical results relate only to the samples as received at the laboratory.

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: D. Mitchell

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro

Report Date: 1/7/08
Job Number: E07-13549
Date Received: 12/28/07
Date Analyzed: 1/4/08

Project: Countywide
Project #: 07-0082

Analysis: Hydrogen Chloride and Hydrogen Fluoride, NIOSH 7903

| Sample ID | IAL ID | Hydrogen Fluoride ug | Hydrogen Fluoride ug/m3 | Hydrogen Chloride ug | Hydrogen Chloride ug/m3 |
|---|---|---|---|---|---|
| S1226 -01H | E07-13549-05 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| S1226-02H | E07-13549-06 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| S1226-03H | E07-13549-07 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G1226-01H | E07-13549-08 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G1226-02H | E07-13549-09 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G1226-03H | E07-13549-10 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W1226-01H | E07-13549-11 | < 0.6 | < 1.3 | 0.40 | 0.83 |
| W1226-02H | E07-13549-12 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W1226-03H | E07-13549-13 | 2.8 | 5.9 | < 0.4 | < 0.8 |
| C1226-01H* | E07-13549-14 | 0.84 | 1.8 | 0.93 | 1.9 |
| C1226-02H | E07-13549-15 | 0.89 | 1.9 | < 0.4 | < 0.8 |
| C1226-03H | E07-13549-16 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| Reporting Limit | | 0.6 | | 0.4 | |

*Denotes breakthrough from the front to the back of the sorbent tube for Hydrogen Fluoride and Hydrogen Chloride.

Note: Calculations of concentrations in air are based upon air sampling data reported by client. Analytical results relate only to the samples as received at the laboratory.

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: D. Mitchell

# Countywide Recycling & Disposal Facility

**Ambient Air Monitoring**
**Monthly Report #9**

February 20, 2008

## APPENDIX B

## Laboratory Analytical Results from January 04/05, 2008

# *Certificate of Analysis*

**CLIENT INFORMATION**

**Lawhon and Associates, Inc.**
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attention: Shawn Ansbro

Project#: 07-0082

**LABORATORY INFORMATION**

Contact: Michael H. Leftin, Ph.D.
IAL Job No.: E08-00210
Date Received: 01/08/08

Sample#:
E08-00210-01, E08-00210-02, E08-00210-03, E08-00210-04

Samples for this analysis were received in good condition with a chain of custody.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing.
Once analysis has been performed on canisters that meets regulatory criteria, samples are recycled for future use, unless other provisions have been made by the client.

Analysis conducted at Integrated Analytical Laboratory, Randolph NJ
ELAP lab number - 11402
NJDEP number - 14751
AIHA number - 100201

Michael H. Leftin, Ph.D.
Laboratory Director

# *Integrated Analytical Laboratories LLC*

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/16/08
Job Number: E08-00210
Date Received: 1/8/08
Date Analyzed: 1/9/08
Data File: 010908
Summa ID: 3290

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-S0104 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00210-01 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | ND | ND | 0.50 | 1.2 |
| Benzene | 71-43-2 | 3.9 | 13 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | ND | ND | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.95 | 2.0 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | 1.2 | 4.1 | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 1.2 | 5.9 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | 0.74 | 3.2 | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 2.0 | 8.4 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 6.4 | 23 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 2.2 | 6.4 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | 0.53 | 2.2 | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 6.3 | 24 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 1.1 | 5.3 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | 2.8 | 13 | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 2.8 | 12 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | 0.90 | 3.9 | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

*Integrated Analytical Laboratories LLC*

**Summary of Results**

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/16/08
Job Number: E08-00210
Date Received: 1/8/08
Date Analyzed: 1/9/08
Data File: 010909
Summa ID: 3050

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-G0104 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00210-02 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | ND | ND | 0.50 | 1.2 |
| Benzene | 71-43-2 | 7.2 | 23 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | ND | ND | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.61 | 1.3 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | ND | ND | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | 0.65 | 2.8 | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 0.64 | 2.6 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 0.56 | 2.0 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 1.9 | 5.5 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | 0.50 | 2.1 | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | 7.5 | 26 | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 4.8 | 18 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 1.1 | 5.4 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 2.4 | 11 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | 0.89 | 3.9 | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

*Integrated Analytical Laboratories LLC*

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/16/08
Job Number: E08-00210
Date Received: 1/8/08
Date Analyzed: 1/9/08
Data File: 010910
Summa ID: 3034

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-W0104 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00210-03 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | ND | ND | 0.50 | 1.2 |
| Benzene | 71-43-2 | ND | ND | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | ND | ND | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 1.1 | 2.3 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 1.4 | 7.0 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | ND | ND | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | ND | ND | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | ND | ND | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | 0.70 | 2.4 | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | ND | ND | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | 0.59 | 3.3 | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | ND | ND | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | ND | ND | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

*Integrated Analytical Laboratories LLC*

**Summary of Results**

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/16/08
Job Number: E08-00210
Date Received: 1/8/08
Date Analyzed: 1/9/08
Data File: 010911
Summa ID: 2756

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-C0104 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00210-04 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 13 | 31 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 1.8 | 5.7 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 22 | 67 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 1.1 | 2.3 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 1.3 | 6.6 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | 1.5 | 6.7 | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 0.86 | 3.5 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 0.55 | 1.9 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 2.1 | 6.2 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | 0.72 | 2.5 | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 5.6 | 21 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 2.4 | 12 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 0.72 | 3.5 | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 6.8 | 30 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | 3.5 | 15 | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

# Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082, Countrywide

Report Date: 1/10/2008
Job Number: E07-00210
Date Received: 1/8/2008
Date Analyzed: 1/9/2008

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S0104
IAL ID: E07-00210-01

Data File: 010908
Canister ID 3290

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| 1-Propene, 2-methyl- | 115-11-7 | 87 | 2.9 | 6.9 |
| Butane | 106-97-8 | 64 | 4.8 | 11 |
| Acetonitrile | 75-05-8 | 40 | 2.7 | 4.5 |
| Butane, 2-methyl- | 78-78-4 | 72 | 15 | 44 |
| Pentane | 109-66-0 | 91 | 6.1 | 18 |
| Pentane, 2-methyl- | 107-83-5 | 91 | 7.4 | 26 |
| Pentane, 3-methyl- | 96-14-0 | 86 | 5.3 | 19 |
| Cyclopentane, methyl- | 96-37-7 | 91 | 3.7 | 13 |
| Hexane, 2-methyl- | 591-76-4 | 64 | 4.1 | 17 |
| Hexane, 3-methyl- | 589-34-4 | 72 | 3.7 | 15 |
| 1R-.alpha.-Pinene | 7785-70-8 | 94 | 9.7 | 54 |

Sample Name: SU-G0104
IAL ID: E07-00210-02

Data File: 010909
Canister ID 3050

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| 1-Propyne | 74-99-7 | 5 | 341 | 558 |
| 1R-.alpha.-Pinene | 7785-70-8 | 94 | 2.6 | 14 |
| Benzoic acid, 2-[(trimethylsilyl… | 3789-85-3 | 59 | 1.6 | 18 |

# Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082, Countrywide

Report Date: 1/10/2008
Job Number: E07-00210
Date Received: 1/8/2008
Date Analyzed: 1/9/2008

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0104
IAL ID: E07-00210-03

Data File: 010910
Canister ID 3034

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Butane | 106-97-8 | 59 | 1.2 | 3 |

Sample Name: SU-C0104
IAL ID: E07-00210-04

Data File: 010911
Canister ID 2756

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Acetaldehyde | 75-07-0 | 4 | 2.8 | 5.0 |
| 1-Propene, 2-methyl- | 115-11-7 | 90 | 8.9 | 21 |
| Butane | 106-97-8 | 7 | 4.5 | 11 |
| Acetonitrile | 75-05-8 | 40 | 6.3 | 11 |
| 1-Pentene | 109-67-1 | 58 | 2.6 | 7.4 |
| Pentane | 109-66-0 | 90 | 3.2 | 9.4 |
| Butanal | 123-72-8 | 90 | 2.7 | 8.0 |
| Propanal, 2,2-dimethyl- | 630-19-3 | 64 | 2.5 | 8.8 |
| Cyclopentane, 1,2,4-trimethyl-,... | 16883-48-0 | 86 | 2.5 | 11 |
| Cyclotrisiloxane, hexamethyl- | 541-05-9 | 49 | 4.0 | 36 |
| 1R-.alpha.-Pinene | 7785-70-8 | 94 | 4.5 | 25 |

**Summary of Results**

Lawhon & Associates, Inc.
975 Eastwind Drive Suite 190
Westerville, OH 43081
Att: Shawn Ansbro
Jobsite: Countywide
Project: #07-0082

Report Date: 1/14/08
Job Number: E08-00210
Date Received: 1/8/08
Date Analyzed: 1/10/08

Analysis: Aldehydes and Ketones, EPA Method TO-11a

| Sample Name: | S0104-01A | | S0104-02A | | S0104-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00210-17 | | E08-00210-18 | | E08-00210-19 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| Sample Name: | G0104-01A | | G0104-02A | | G0104-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00210-20 | | E08-00210-21 | | E08-00210-22 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | 0.66 | 1.4 | 0.58 | 1.2 | 0.60 | 1.3 | 0.1 |
| Acetaldehyde | 0.28 | 0.58 | 0.30 | 0.63 | 0.30 | 0.63 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | 0.11 | 0.22 | 0.11 | 0.23 | 0.12 | 0.24 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | 0.14 | 0.30 | 0.14 | 0.28 | < 0.1 | < 0.2 | 0.1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Benzaldehyde | 0.56 | 1.2 | 0.56 | 1.2 | 0.54 | 1.1 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | 0.36 | 0.75 | 0.2 | 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | 1.5 | 3.1 | 1.1 | 2.4 | 1.1 | 2.3 | 0.1 |



Lawhon & Associates, Inc. Job Number: E08-00210
Jobsite: Countywide
Project: #07-0082

Analysis: Aldehydes and Ketones, EPA Method TO-11a

| Sample Name: | W0104-01A | | W0104-02A | | W0104-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00210-23 | | E08-00210-24 | | E08-00210-25 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | 0.60 | 1.3 | 0.40 | 0.83 | 0.54 | 1.1 | 0.1 |
| Acetaldehyde | 0.30 | 0.63 | 0.22 | 0.46 | 0.28 | 0.58 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | 0.10 | 0.21 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | 0.60 | 1.3 | 0.38 | 0.79 | 0.46 | 1.0 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | 0.66 | 1.4 | 0.30 | 0.63 | 0.40 | 0.83 | 0.1 |

| Sample Name: | C0104-01A | | C0104-02A | | C0104-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00210-26 | | E08-00210-27 | | E08-00210-28 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

Notes: Calculations of concentrations in air are based upon air sampling data reported by client.
Analytical results relate only to the samples as received at the laboratory.

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: D. Mitchell

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro

Report Date: 1/14/08
Job Number: E08-00210
Date Received:1/8/08
Date Analyzed: 1/10/08

Project: Countywide
Project #: 07-0082

Analysis: Hydrogen Chloride and Hydrogen Fluoride, NIOSH 7903

| | | Hydrogen Fluoride | | Hydrogen Chloride | |
|---|---|---|---|---|---|
| Sample ID | IAL ID | ug | ug/m3 | ug | ug/m3 |
| S0104 -01H | E08-00210-05 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| S0104-02H | E08-00210-06 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| S0104-03H | E08-00210-07 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0104-01H | E08-00210-08 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0104-02H | E08-00210-09 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0104-03H | E08-00210-10 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0104-01H | E08-00210-11 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0104-02H | E08-00210-12 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0104-03H | E08-00210-13 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| C0104-01H | E08-00210-14 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| C0104-02H | E08-00210-15 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| C0104-03H | E08-00210-16 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| Reporting Limit | | 0.6 | | 0.4 | |

and Hydrogen Chloride.

Note: Calculations of concentrations in air are based upon air sampling data reported by client. Analytical results relate only to the samples as received at the laboratory.

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: D. Mitchell

# Countywide Recycling & Disposal Facility
## Ambient Air Monitoring
## Monthly Report #9

February 20, 2008

# APPENDIX C

# Laboratory Analytical Results from January 10/11, 2008

# *Certificate of Analysis*

**CLIENT INFORMATION**

**Lawhon and Associates, Inc.**
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attention: Shawn Ansbro

Project#: 07-0082

**LABORATORY INFORMATION**

Contact: Michael H. Leftin, Ph.D.
IAL Job No.: E08-00491
Date Received: 01/15/08

Sample#:
E08-00491-01, E08-00491-02, E08-00491-03, E08-00491-04

Samples for this analysis were received in good condition with a chain of custody.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing.
Once analysis has been performed on canisters that meets regulatory criteria, samples are recycled for future use, unless other provisions have been made by the client.

Analysis conducted at Integrated Analytical Laboratory, Randolph NJ
ELAP lab number - 11402
NJDEP number - 14751
AIHA number - 100201

Michael H. Leftin, Ph.D.
Laboratory Director

## *Integrated Analytical Laboratories LLC*

### Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/25/08
Job Number: E08-00491
Date Received: 1/15/08
Date Analyzed: 1/24/08, 1/23/08
Data File: 012416, 012316
Summa ID: 3027

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-S0110 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00491-01 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 93 | 220 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 0.91 | 2.9 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | ND | ND | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | 0.88 | 2.7 | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | ND | ND | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | ND | ND | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | ND | ND | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 0.78 | 2.8 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | 11 | 28 | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | ND | ND | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | 193 | 670 | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 3.6 | 14 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | 2.3 | 13 | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.53 | 2.6 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | ND | ND | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

## *Integrated Analytical Laboratories LLC*

### Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/25/08
Job Number: E08-00491
Date Received: 1/15/08
Date Analyzed: 1/23/08
Data File: 012317
Summa ID: 3059

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-G0110 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00491-02 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 21 | 49 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 1.5 | 4.7 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 18 | 56 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 1.4 | 2.9 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 1.2 | 6.0 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 1.1 | 4.3 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 1.1 | 3.8 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 2.1 | 6.3 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 2.1 | 7.9 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.65 | 3.2 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 1.3 | 5.6 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

## *Integrated Analytical Laboratories LLC*

### Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/25/08
Job Number: E08-00491
Date Received: 1/15/08
Date Analyzed: 1/23/08
Data File: 012318
Summa ID: 2886

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-W0110 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00491-03 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 14 | 34 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 5.2 | 17 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 1.7 | 5.2 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 1.1 | 2.3 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 1.0 | 5.0 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 0.53 | 2.2 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 0.64 | 2.3 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 2.2 | 6.6 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 2.9 | 11 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.62 | 3.1 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 1.7 | 7.3 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | 0.59 | 2.6 | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

*Integrated Analytical Laboratories LLC*

**Summary of Results**

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/25/08
Job Number: E08-00491
Date Received: 1/15/08
Date Analyzed: 1/22/08
Data File: 012205
Summa ID: 3125

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-C0110 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00491-04 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 22 | 52 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 1.1 | 3.6 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 20 | 61 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 1.4 | 2.9 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 1.1 | 5.3 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 0.90 | 3.7 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 0.79 | 2.8 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 2.4 | 7.1 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 1.8 | 6.7 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.60 | 3.0 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 1.1 | 4.8 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

# Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082, Countrywide

Report Date: 1/25/2008
Job Number: E08-00491
Date Received: 1/15/2008
Date Analyzed: 1/22/2008

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S0110
IAL ID: E08-00491-01

Data File: 012316
Canister ID 3027

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Methane, chlorodifluoro- | 75-45-6 | 49 | 3.9 | 13.7 |
| 1-Propene, 2-methyl- | 115-11-7 | 90 | 2.8 | 6.6 |
| Butane | 106-97-8 | 80 | 1.9 | 4.5 |
| Ethanol | 64-17-5 | 64 | 3.9 | 7.3 |
| Acetonitrile | 75-05-8 | 56 | 21 | 35 |
| Pentane | 109-66-0 | 90 | 2.1 | 6.2 |
| 2-Pentanone | 107-87-9 | 72 | 4.7 | 17 |
| 1S-.alpha.-Pinene | 7785-26-4 | 97 | 2.5 | 14 |
| Hexane, 2,2,5-trimethyl- | 3522-94-9 | 64 | 2.3 | 12 |
| Heptadecane | 629-78-7 | 74 | 3.8 | 37 |
| Heptane, 5-ethyl-2,2,3-trimethyl- | 62199-06-8 | 56 | 2.7 | 19 |

Sample Name: SU-G0110
IAL ID: E08-00491-02

Data File: 012317
Canister ID 3059

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Carbonyl sulfide | 463-58-1 | 9 | 8.4 | 21 |
| Acetaldehyde | 75-07-0 | 64 | 11 | 20 |
| 1-Propene, 2-methyl- | 115-11-7 | 90 | 25 | 59 |
| Butane | 106-97-8 | 78 | 2.9 | 6.9 |
| Acetonitrile | 75-05-8 | 42 | 4.0 | 6.7 |
| 1-Pentene | 109-67-1 | 81 | 3.1 | 8.9 |
| Pentane | 109-66-0 | 90 | 2.8 | 8.2 |
| Butanal | 123-72-8 | 91 | 4.4 | 13 |
| Propanal, 2,2-dimethyl- | 630-19-3 | 53 | 2.4 | 8.4 |
| 1R-.alpha.-Pinene | 7785-70-8 | 94 | 1.8 | 10 |

# Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082, Countrywide

Report Date: 1/25/2008
Job Number: E08-00491
Date Received: 1/15/2008
Date Analyzed: 1/22/2008

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0110
IAL ID: E08-00491-03

Data File: 012318
Canister ID 2886

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Propane | 74-98-6 | 50 | 6.3 | 11 |
| Isobutane | 75-28-5 | 72 | 2.1 | 5.0 |
| Acetaldehyde | 75-07-0 | 9 | 2.6 | 4.7 |
| 1-Butene | 106-98-9 | 86 | 3.2 | 7.3 |
| Butane | 106-97-8 | 64 | 2.6 | 6.2 |
| 1-Propyne | 74-99-7 | 5 | 117 | 191 |
| Pentane | 109-66-0 | 86 | 2.1 | 6.2 |
| Pentanal | 110-62-3 | 72 | 1.8 | 6.3 |
| Hexanal | 66-25-1 | 91 | 1.6 | 6.5 |
| 1R-.alpha.-Pinene | 7785-70-8 | 94 | 2.3 | 13 |

Sample Name: SU-C0110
IAL ID: E08-00491-04

Data File: 012205
Canister ID 3125

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Propane | 74-98-6 | 50 | 6.7 | 12 |
| Acetaldehyde | 75-07-0 | 86 | 16 | 29 |
| 1-Propene, 2-methyl- | 115-11-7 | 90 | 29 | 69 |
| Butane | 106-97-8 | 64 | 2.9 | 6.9 |
| Acetonitrile | 75-05-8 | 42 | 2.5 | 4.2 |
| 1-Pentene | 109-67-1 | 87 | 3.5 | 10 |
| Pentane | 109-66-0 | 90 | 2.7 | 8.0 |
| Butanal | 123-72-8 | 91 | 4.3 | 13 |
| Propanal, 2,2-dimethyl- | 630-19-3 | 86 | 2.5 | 8.8 |
| Hexane, 2-methyl-4-methylene- | 3404-80-6 | 90 | 1.7 | 7.8 |
| Limonene | 138-86-3 | 91 | 11 | 61 |
| Benzoic acid, 2-[(trimethylsilyl… | 3789-85-3 | 45 | 3.3 | 38 |

**Summary of Results**

Lawhon & Associates, Inc.
975 Eastwind Drive Suite 190
Westerville, OH 43081
Att: Shawn Ansbro
Jobsite: Countywide
Project: #07-0082

Report Date: 1/28/08
Job Number: E08-00491
Date Received: 1/15/08
Date Analyzed: 1/24/08

Analysis: Aldehydes and Ketones, EPA Method TO-11a

| Sample Name: | S0110-01A | | S0110-02A | | S0110-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00491-17 | | E08-00491-18 | | E08-00491-19 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| Sample Name: | G0110-01A | | G0110-02A | | G0110-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00491-20 | | E08-00491-21 | | E08-00491-22 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.66 | 1.4 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.22 | 0.46 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.11 | 0.23 | 0.1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.44 | 0.92 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.56 | 1.2 | 0.1 |



Lawhon & Associates, Inc.
Jobsite: Countywide
Project: #07-0082

Job Number: E08-00491

Analysis: Aldehydes and Ketones, EPA Method TO-11a

| Sample Name: | W0110-01A | | W0110-02A | | W0110-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00491-23 | | E08-00491-24 | | E08-00491-25 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.94 | 2.0 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.30 | 0.63 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.18 | 0.37 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.20 | 0.41 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.48 | 1.0 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.88 | 1.8 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 2.2 | 4.6 | 0.1 |

| Sample Name: | C0110-01A | | C0110-02A | | C0110-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00491-26 | | E08-00491-27 | | E08-00491-28 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

Notes: Calculations of concentrations in air are based upon air sampling data reported by client.
Analytical results relate only to the samples as received at the laboratory.

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: D. Mitchell

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro

Report Date: 1/28/08
Job Number: E08-00491
Date Received:1/15/08
Date Analyzed: 1/23/08

Project: Countywide
Project #: 07-0082

Analysis: Hydrogen Chloride and Hydrogen Fluoride, NIOSH 7903

| | | Hydrogen Fluoride | | Hydrogen Chloride | |
|---|---|---|---|---|---|
| Sample ID | IAL ID | ug | ug/m3 | ug | ug/m3 |
| S0110 -01H | E08-00491-05 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| S0110-02H | E08-00491-06 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| S0110-03H | E08-00491-07 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0110-01H | E08-00491-08 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0110-02H | E08-00491-09 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0110-03H | E08-00491-10 | 1.5 | 3.1 | < 0.4 | < 0.8 |
| W0110-01H | E08-00491-11 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0110-02H | E08-00491-12 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0110-03H | E08-00491-13 | 1.2 | 2.5 | < 0.4 | < 0.8 |
| C0110-01H | E08-00491-14 | 0.74 | 1.5 | < 0.4 | < 0.8 |
| C0110-02H | E08-00491-15 | 0.95 | 2.0 | < 0.4 | < 0.8 |
| C0110-03H | E08-00491-16 | 0.79 | 1.6 | < 0.4 | < 0.8 |
| Reporting Limit | | 0.6 | | 0.4 | |

Note: Calculations of concentrations in air are based upon air sampling data reported by client. Analytical results relate only to the samples as received at the laboratory.

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: D. Mitchell

# Countywide Recycling & Disposal Facility
## Ambient Air Monitoring
## Monthly Report #9

February 20, 2008

# APPENDIX D

# Laboratory Analytical Results from Janauary 16/17, 2008

# *Certificate of Analysis*

**CLIENT INFORMATION**

**Lawhon and Associates, Inc.**
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attention: Shawn Ansbro

Project#: 07-0082

**LABORATORY INFORMATION**

Contact: Michael H. Leftin, Ph.D.
IAL Job No.: E08-00673
Date Received: 01/18/08

Sample#:
E08-00673-00, E08-00673-01, E08-00673-02, E08-00673-03, E08-00673-04

Samples for this analysis were received in good condition with a chain of custody.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing.
Once analysis has been performed on canisters that meets regulatory criteria, samples are recycled for future use, unless other provisions have been made by the client.

Analysis conducted at Integrated Analytical Laboratory, Randolph NJ
ELAP lab number - 11402
NJDEP number - 14751
AIHA number - 100201

Michael H. Leftin, Ph.D.
Laboratory Director

# *Integrated Analytical Laboratories LLC*

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/31/08
Job Number: E08-00673
Date Received: 1/18/08
Date Analyzed: 1/30/08
Data File: 013010
Summa ID: 3028

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-S0116 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00673-01 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 12 | 27 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 0.79 | 2.5 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 1.8 | 5.3 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.95 | 2.0 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.92 | 4.6 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | ND | ND | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 0.58 | 2.0 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 1.1 | 3.2 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 1.6 | 6.2 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | ND | ND | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 0.86 | 3.7 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

## *Integrated Analytical Laboratories LLC*

### Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/31/08
Job Number: E08-00673
Date Received: 1/18/08
Date Analyzed: 1/30/08
Data File: 013010
Summa ID: 3028

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-S0116 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00673-01 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 12 | 27 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 0.79 | 2.5 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 1.8 | 5.3 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.95 | 2.0 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.92 | 4.6 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | ND | ND | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 0.58 | 2.0 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 1.1 | 3.2 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 1.6 | 6.2 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | ND | ND | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 0.86 | 3.7 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

## *Integrated Analytical Laboratories LLC*

### Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/31/08
Job Number: E08-00673
Date Received: 1/18/08
Date Analyzed: 1/30/08
Data File: 013011
Summa ID: 3284

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-G0116 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00673-02 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 15 | 35 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 1.3 | 4.2 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 12 | 35 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.90 | 1.9 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.91 | 4.5 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 0.55 | 2.3 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | ND | ND | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 2.0 | 6.0 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 2.7 | 10 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | ND | ND | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 1.1 | 4.6 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

# *Integrated Analytical Laboratories LLC*

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/31/08
Job Number: E08-00673
Date Received: 1/18/08
Date Analyzed: 1/30/08
Data File: 013012
Summa ID: 2894

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-W0116 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00673-03 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 5.8 | 14 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 3.2 | 10 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 0.91 | 2.8 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.91 | 1.9 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.92 | 4.6 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | ND | ND | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | ND | ND | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 1.3 | 3.9 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 2.6 | 9.6 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | ND | ND | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 1.3 | 5.6 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

## *Integrated Analytical Laboratories LLC*

### Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 1/31/08
Job Number: E08-00673
Date Received: 1/18/08
Date Analyzed: 1/30/08
Data File: 013013
Summa ID: 3043A

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-C0116 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00673-04 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 16 | 38 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 1.2 | 4.0 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 18 | 56 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.92 | 1.9 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.87 | 4.3 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 0.88 | 3.6 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | ND | ND | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | 0.86 | 2.1 | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 2.9 | 8.6 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 3.6 | 14 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | ND | ND | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 1.6 | 6.9 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

# Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082, Countrywide

Report Date: 1/31/2008
Job Number: E08-00673
Date Received: 1/18/2008
Date Analyzed: 1/30/2008

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S0116
IAL ID: E08-00673-01

Data File: 013010
Canister ID 3028

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Propene | 115-07-1 | 38 | 2.5 | 8.8 |
| Isobutane | 75-28-5 | 80 | 1.0 | 2.4 |
| Acetaldehyde | 75-07-0 | 9 | 2.7 | 4.9 |
| 1-Propene, 2-methyl- | 115-11-7 | 90 | 6.8 | 16 |
| Butane | 106-97-8 | 64 | 1.4 | 3.3 |
| Pentane | 109-66-0 | 90 | 1.4 | 4.1 |
| Oxetane, 2,2,3-trimethyl- | 23120-43-6 | 42 | 1.6 | 5.6 |
| Hexanal | 66-25-1 | 94 | 1.2 | 4.9 |
| Cyclotrisiloxane, hexamethyl- | 541-05-9 | 91 | 1.1 | 5.8 |
| 1R-.alpha.-Pinene | 7785-70-8 | 97 | 2.1 | 12 |

Sample Name: SU-G0116
IAL ID: E08-00673-02

Data File: 013011
Canister ID 3284

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Carbonyl sulfide | 463-58-1 | 9 | 3.8 | 9.3 |
| Acetaldehyde | 75-07-0 | 56 | 5.3 | 10 |
| 1-Propene, 2-methyl- | 115-11-7 | 87 | 7.8 | 19 |
| Acetonitrile | 75-05-8 | 40 | 2.6 | 4.4 |
| 1-Pentene | 109-67-1 | 76 | 1.6 | 4.6 |
| Pentane | 109-66-0 | 87 | 1.4 | 4.1 |
| Butanal | 123-72-8 | 91 | 2.8 | 8.2 |
| Propanal, 2,2-dimethyl- | 630-19-3 | 80 | 1.5 | 5.3 |
| Heptane, 3-methylene- | 1632-16-2 | 83 | 1.3 | 6.0 |
| Cyclotrisiloxane, hexamethyl- | 541-05-9 | 58 | 1.5 | 7.9 |

# Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082, Countrywide

Report Date: 1/31/2008
Job Number: E08-00673
Date Received: 1/18/2008
Date Analyzed: 1/30/2008

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0116
IAL ID: E08-00673-03

Data File: 013012
Canister ID 2894

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Propane | 74-98-6 | 37 | 1.9 | 3.4 |
| Acetaldehyde | 75-07-0 | 9 | 1.6 | 2.9 |
| 1-Propene, 2-methyl- | 115-11-7 | 90 | 1.9 | 4.5 |
| Acetonitrile | 75-05-8 | 56 | 19 | 32 |
| Pentane | 109-66-0 | 90 | 5.9 | 17 |
| Pentanal | 110-62-3 | 64 | 1.1 | 3.9 |
| Hexanal | 66-25-1 | 94 | 1.1 | 4.5 |
| 1R-.alpha.-Pinene | 7785-70-8 | 94 | 1.6 | 8.9 |
| Benzene, 1-ethyl-2-methyl- | 611-14-3 | 95 | 1.3 | 6.4 |

Sample Name: SU-C0116
IAL ID: E08-00673-04

Data File: 013013
Canister ID 3043A

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Propane | 74-98-6 | 9 | 3.6 | 6.5 |
| Acetaldehyde | 75-07-0 | 56 | 7.5 | 13 |
| 1-Propene, 2-methyl- | 115-11-7 | 91 | 12 | 28 |
| Acetonitrile | 75-05-8 | 40 | 4.6 | 7.7 |
| Butanal | 123-72-8 | 90 | 4.0 | 12 |
| Propanal, 2,2-dimethyl- | 630-19-3 | 90 | 2.1 | 7.4 |
| Butanal, 3-methyl- | 590-86-3 | 78 | 1.9 | 8.7 |
| Hexanal | 66-25-1 | 94 | 1.8 | 7.4 |
| Heptane, 3-methylene- | 1632-16-2 | 91 | 3.2 | 15 |
| 1R-.alpha.-Pinene | 7785-70-8 | 94 | 2.8 | 16 |

**Summary of Results**

Lawhon & Associates, Inc.
975 Eastwind Drive Suite 190
Westerville, OH 43081
Att: Shawn Ansbro
Jobsite: Countywide
Project: #07-0082

Report Date: 1/28/08
Job Number: E08-00673
Date Received: 1/18/08
Date Analyzed: 1/25/08

Analysis: Aldehydes and Ketones, EPA Method TO-11a

| Sample Name: | S0116-01A | | S0116-02A | | S0116-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00673-17 | | E08-00673-18 | | E08-00673-19 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| Sample Name: | G0116-01A | | G0116-02A | | G0116-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00673-20 | | E08-00673-21 | | E08-00673-22 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |



Lawhon & Associates, Inc.
Jobsite: Countywide
Project: #07-0082

Job Number: E08-00673

Analysis: Aldehydes and Ketones, EPA Method TO-11a

| Sample Name: | W0116-01A | | W0116-02A | | W0116-03A | | Reporting Limits |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00673-23 | | E08-00673-24 | | E08-00673-25 | | |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| Sample Name: | C0116-01A | | C0116-02A | | C0116-03A | | Reporting Limits |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00673-26 | | E08-00673-27 | | E08-00673-28 | | |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Hexaldehyde | < | 0.1 | < | 0.2 | < | 0.1 | < | 0.2 | < | 0.1 | < | 0.2 | 0.1 |

Notes: Calculations of concentrations in air are based upon air sampling data reported by client.
Analytical results relate only to the samples as received at the laboratory.

Michael H. Leftin, Ph.D.
Laboratory Director



Analyst: D. Mitchell

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro

Report Date: 1/28/08
Job Number: E08-00673
Date Received: 1/18/08
Date Analyzed: 1/24/08

Project: Countywide
Project #: 07-0082

Analysis: Hydrogen Chloride and Hydrogen Fluoride, NIOSH 7903

| | | Hydrogen Fluoride | | Hydrogen Chloride | |
|---|---|---|---|---|---|
| Sample ID | IAL ID | ug | ug/m3 | ug | ug/m3 |
| S0116 -01H | E08-00673-05 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| S0116-02H | E08-00673-06 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| S0116-03H | E08-00673-07 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0116-01H | E08-00673-08 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0116-02H | E08-00673-09 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0116-03H | E08-00673-10 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0116-01H | E08-00673-11 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0116-02H | E08-00673-12 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0116-03H | E08-00673-13 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| C0116-01H | E08-00673-14 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| C0116-02H | E08-00673-15 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| C0116-03H | E08-00673-16 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| Reporting Limit | | 0.6 | | 0.4 | |

Note: Calculations of concentrations in air are based upon air sampling data reported by client. Analytical results relate only to the samples as received at the laboratory.

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: D. Mitchell

# Countywide Recycling & Disposal Facility
## Ambient Air Monitoring
## Monthly Report #9

February 20, 2008

# APPENDIX E

# Laboratory Analytical Results from January 22/23, 2008

# *Certificate of Analysis*

**CLIENT INFORMATION**

**Lawhon and Associates, Inc.**
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attention: Shawn Ansbro

Project#: 07-0082

**LABORATORY INFORMATION**

Contact: Michael H. Leftin, Ph.D.
IAL Job No.: E08-00866
Date Received: 01/24/08

Sample#:
E08-00866-01, E08-00866-02, E08-00866-03, E08-00866-04

Samples for this analysis were received in good condition with a chain of custody.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing.
Once analysis has been performed on canisters that meets regulatory criteria, samples are recycled for future use, unless other provisions have been made by the client.

Analysis conducted at Integrated Analytical Laboratory, Randolph NJ
ELAP lab number - 11402
NJDEP number - 14751
AIHA number - 100201

Michael H. Leftin, Ph.D.
Laboratory Director

*Integrated Analytical Laboratories LLC*

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 2/1/08
Job Number: E08-00866
Date Received: 1/24/08
Date Analyzed: 1/31/08
Data File: 013104
Summa ID: 9378B

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-S0122 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00866-01 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | ND | ND | 0.50 | 1.2 |
| Benzene | 71-43-2 | 2.0 | 6.5 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 2.7 | 8.1 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 1.0 | 2.1 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | 0.50 | 1.7 | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.93 | 4.6 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | 0.54 | 2.4 | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 1.4 | 5.6 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | 2.7 | 9.6 | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 2.6 | 7.6 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | 0.61 | 2.1 | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 4.9 | 18 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | ND | ND | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | 1.1 | 5.0 | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 2.0 | 8.7 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | 0.63 | 2.7 | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

# *Integrated Analytical Laboratories LLC*

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 2/1/08
Job Number: E08-00866
Date Received: 1/24/08
Date Analyzed: 1/31/08
Data File: 013105
Summa ID: 3002

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-G0122 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00866-02 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 2.9 | 7.0 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 2.4 | 7.8 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | ND | ND | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.57 | 1.2 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.56 | 2.8 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | ND | ND | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | ND | ND | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 0.58 | 1.7 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | 1.8 | 6.3 | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 1.2 | 4.6 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | ND | ND | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 0.80 | 3.5 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

# *Integrated Analytical Laboratories LLC*

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 2/1/08
Job Number: E08-00866
Date Received: 1/24/08
Date Analyzed: 1/31/08
Data File: 013106
Summa ID: 2757

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-W0122 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00866-03 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 3.9 | 9.2 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 3.7 | 12 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 0.69 | 2.1 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.94 | 1.9 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.99 | 4.9 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | ND | ND | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | ND | ND | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 1.0 | 3.0 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 1.9 | 7.2 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | ND | ND | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 1.2 | 5.0 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | ND | ND | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

*Integrated Analytical Laboratories LLC*

**Summary of Results**

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082
Site: Countywide

Report Date: 2/1/08
Job Number: E08-00866
Date Received: 1/24/08
Date Analyzed: 1/31/08
Data File: 013107
Summa ID: 2071

Analysis: Volatile Organic Compounds by EPA Method TO-15m

| | Sample Name: | SU-C0122 | | Reporting Limits | |
|---|---|---|---|---|---|
| | IAL ID: | E08-00866-04 | | | |
| Compound | CAS # | ppbv | ug/m3 | ppbv | ug/m3 |
| Acetone | 67-64-1 | 15 | 35 | 0.50 | 1.2 |
| Benzene | 71-43-2 | 1.2 | 3.9 | 0.50 | 1.6 |
| Bromodichloromethane | 75-27-4 | ND | ND | 0.50 | 3.4 |
| Bromoethene | 593-60-2 | ND | ND | 0.50 | 2.2 |
| Bromoform | 75-25-2 | ND | ND | 0.50 | 5.2 |
| Bromomethane | 74-83-9 | ND | ND | 0.50 | 1.9 |
| 1,3-Butadiene | 106-99-0 | ND | ND | 0.50 | 1.1 |
| tert-Butyl alcohol | 75-65-0 | 18 | 54 | 0.50 | 1.5 |
| Carbon disulfide | 75-15-0 | ND | ND | 0.50 | 1.6 |
| Carbon tetrachloride | 56-23-5 | ND | ND | 0.50 | 3.2 |
| Chlorobenzene | 108-90-7 | ND | ND | 0.50 | 2.3 |
| Chloroethane | 75-00-3 | ND | ND | 0.50 | 1.3 |
| Chloroform | 67-66-3 | ND | ND | 0.50 | 2.4 |
| Chloromethane | 74-87-3 | 0.98 | 2.0 | 0.50 | 1.0 |
| 3-Chloropropene | 107-05-1 | ND | ND | 0.50 | 1.6 |
| 2-Chlorotoluene | 95-49-8 | ND | ND | 0.50 | 2.6 |
| Cyclohexane | 110-82-7 | ND | ND | 0.50 | 1.7 |
| Dibromochloromethane | 124-48-1 | ND | ND | 0.50 | 4.3 |
| 1,2-Dibromoethane | 106-93-4 | ND | ND | 0.50 | 3.8 |
| 1,2-Dichlorobenzene | 95-50-1 | ND | ND | 0.50 | 3.0 |
| 1,3-Dichlorobenzene | 541-73-1 | ND | ND | 0.50 | 3.0 |
| 1,4-Dichlorobenzene | 106-46-7 | ND | ND | 0.50 | 3.0 |
| Dichlorodifluoromethane | 75-71-8 | 0.90 | 4.5 | 0.50 | 2.5 |
| 1,1-Dichloroethane | 75-34-3 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloroethane | 107-06-2 | ND | ND | 0.50 | 2.0 |
| 1,1-Dichloroethylene | 75-35-4 | ND | ND | 0.50 | 2.0 |
| cis-1,2-Dichloroethylene | 156-59-2 | ND | ND | 0.50 | 2.0 |
| trans-1,2-Dichloroethylene | 156-60-5 | ND | ND | 0.50 | 2.0 |
| 1,2-Dichloropropane | 78-87-5 | ND | ND | 0.50 | 2.3 |
| cis-1,3-Dichloropropene | 10061-01-5 | ND | ND | 0.50 | 2.3 |
| trans-1,3-Dichloropropene | 10061-02-6 | ND | ND | 0.50 | 2.3 |
| Dichlorotetrafluoroethane | 76-14-2 | ND | ND | 0.50 | 3.5 |
| Ethylbenzene | 100-41-4 | ND | ND | 0.50 | 2.2 |
| 4-Ethyltoluene | 622-96-8 | ND | ND | 0.50 | 2.5 |
| Heptane | 142-82-5 | 1.2 | 4.7 | 0.50 | 2.1 |
| Hexachlorobutadiene | 87-68-3 | ND | ND | 0.50 | 5.3 |
| Hexane | 110-54-3 | ND | ND | 0.50 | 1.8 |
| Isopropyl alcohol | 67-63-0 | ND | ND | 0.50 | 1.2 |
| Methyl ethyl ketone | 78-93-3 | 2.8 | 8.3 | 0.50 | 1.5 |
| Methyl isobutyl ketone | 108-10-1 | ND | ND | 0.50 | 2.1 |
| Methylene chloride | 75-09-2 | ND | ND | 0.50 | 1.7 |
| Methyl-t-butyl ether | 1634-04-4 | ND | ND | 0.50 | 1.8 |
| Styrene | 100-42-5 | ND | ND | 0.50 | 2.1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | ND | ND | 0.50 | 3.4 |
| Tetrachloroethylene | 127-18-4 | ND | ND | 0.50 | 3.4 |
| Toluene | 108-88-3 | 3.8 | 14 | 0.50 | 1.9 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 76-13-1 | ND | ND | 0.50 | 3.8 |
| 1,2,4-Trichlorobenzene | 120-82-1 | ND | ND | 0.50 | 3.7 |
| 1,1,1-Trichloroethane | 71-55-6 | ND | ND | 0.50 | 2.7 |
| 1,1,2-Trichloroethane | 79-00-5 | ND | ND | 0.50 | 2.7 |
| Trichloroethylene | 79-01-6 | ND | ND | 0.50 | 2.7 |
| Trichlorofluoromethane | 75-69-4 | ND | ND | 0.50 | 2.8 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.55 | 2.7 | 0.50 | 2.5 |
| 1,3,5-Trimethylbenzene | 108-67-8 | ND | ND | 0.50 | 2.5 |
| 2,2,4-Trimethylpentane | 540-84-1 | ND | ND | 0.50 | 2.3 |
| Vinyl chloride | 75-01-4 | ND | ND | 0.50 | 1.3 |
| m or p-Xylene | 1330-20-7 | 1.8 | 7.7 | 0.50 | 2.2 |
| o-Xylene | 95-47-6 | 0.55 | 2.4 | 0.50 | 2.2 |

D = Extra dilution required for this compound



Analyst: J. Schmitt

# Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082, Countrywide

Report Date: 2/1/2008
Job Number: E08-00866
Date Received: 1/24/2008
Date Analyzed: 1/31/2008

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S0122
IAL ID: E08-00866-01

Data File: 013104
Canister ID 9378B

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Propene | 115-07-1 | 58 | 2.0 | 7.0 |
| Acetaldehyde | 75-07-0 | 56 | 4.8 | 8.6 |
| 1-Propene, 2-methyl- | 115-11-7 | 90 | 6.6 | 16 |
| Butane | 106-97-8 | 64 | 2.3 | 5.5 |
| Acetonitrile | 75-05-8 | 9 | 2.4 | 4.0 |
| Butane, 2-methyl- | 78-78-4 | 53 | 14 | 41 |
| Pentane | 109-66-0 | 91 | 5.9 | 17 |
| Pentane, 2-methyl- | 107-83-5 | 91 | 4.2 | 15 |
| Pentane, 3-methyl- | 96-14-0 | 78 | 3.1 | 11 |
| Hexane, 3-methyl- | 589-34-4 | 76 | 2.0 | 8.2 |

Sample Name: SU-G0122
IAL ID: E08-00866-02

Data File: 013105
Canister ID 3002

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Propane | 463-58-1 | 40 | 1.0 | 1.8 |
| Acetaldehyde | 75-07-0 | 7 | 0.88 | 1.6 |
| 1-Propene, 2-methyl- | 115-11-7 | 90 | 0.88 | 2.1 |
| Butane | 106-97-8 | 72 | 0.83 | 2.0 |
| Acetonitrile | 75-05-8 | 40 | 3.1 | 5.2 |
| Hexanal | 66-25-1 | 80 | 0.70 | 2.9 |
| 3,4-Dimethyl-1-methyl(tetramethyl... | 1000278-62-9 | 10 | 1.3 | 12 |
| 1R-.alpha.-Pinene | 7785-70-8 | 91 | 1.6 | 8.9 |
| Benzene, 1-ethyl-2-methyl- | 611-14-3 | 95 | 1.1 | 5.4 |
| Cyclotrisiloxane, hexamethyl- | 541-05-9 | 43 | 0.87 | 4.6 |

# Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro
Project: 07-0082, Countrywide

Report Date: 2/1/2008
Job Number: E08-00866
Date Received: 1/24/2008
Date Analyzed: 1/31/2008

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0122
IAL ID: E08-00866-03

Data File: 013106
Canister ID 2757

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Propane | 74-98-6 | 42 | 1.6 | 2.9 |
| Acetaldehyde | 75-07-0 | 9 | 1.3 | 2.3 |
| 1-Propene, 2-methyl- | 115-11-7 | 90 | 1.4 | 3.3 |
| Butane | 106-97-8 | 80 | 1.2 | 2.8 |
| Acetonitrile | 75-05-8 | 9 | 4.6 | 7.7 |
| 3,4-Dimethyl-1-methyl(tetramethyl... | 1000278-62-9 | 17 | 1.3 | 12 |
| 1R-.alpha.-Pinene | 7785-70-8 | 94 | 2.7 | 15 |
| Benzene, 1-ethyl-2-methyl- | 611-14-3 | 95 | 5.6 | 27 |
| 1R-.alpha.-Pinene | 7785-70-8 | 94 | 1.6 | 8.9 |
| .beta.-Pinene | 127-91-3 | 94 | 1.2 | 5.9 |

Sample Name: SU-C0122
IAL ID: E08-00866-04

Data File: 013107
Canister ID 2071

| Chemical Name | CAS Number | Qual % | Estimated in ppb | Estimated in µg/m3 |
|---|---|---|---|---|
| Propene | 115-07-1 | 30 | 3.4 | 12 |
| Acetaldehyde | 75-07-0 | 78 | 8.8 | 16 |
| 1-Propene, 2-methyl- | 115-11-7 | 90 | 13 | 31 |
| Acetonitrile | 75-05-8 | 40 | 3.4 | 5.7 |
| 1-Pentene | 109-67-1 | 76 | 2.7 | 7.7 |
| Butanal | 123-72-8 | 91 | 4.2 | 12 |
| Propanal, 2,2-dimethyl- | 630-19-3 | 64 | 2.3 | 8.1 |
| 1-Heptene | 592-76-7 | 94 | 2.6 | 10 |
| Heptane, 3-methylene- | 1632-16-2 | 91 | 4.5 | 21 |
| 1R-.alpha.-Pinene | 7785-70-8 | 95 | 4.0 | 22 |

**Summary of Results**

Lawhon & Associates, Inc.
975 Eastwind Drive Suite 190
Westerville, OH 43081
Att: Shawn Ansbro
Jobsite: Countywide
Project: #07-0082

Report Date: 2/8/08
Job Number: E08-00866
Date Received: 1/24/08
Date Analyzed: 1/31/08

Analysis: Aldehydes and Ketones, EPA Method TO-11a

| Sample Name: | S0122-01A | | S0122-02A | | S0122-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00866-17 | | E08-008663-18 | | E08-00866-19 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| Sample Name: | G0122-01A | | G0122-02A | | G0122-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00866-20 | | E08-00866-21 | | E08-00866-22 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |



Lawhon & Associates, Inc.
Jobsite: Countywide
Project: #07-0082

Job Number: E08-00866

Analysis: Aldehydes and Ketones, EPA Method TO-11a

| Sample Name: | W0122-01A | | W0122-02A | | W0122-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00866-23 | | E08-00866-24 | | E08-00866-25 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| Sample Name: | C0122-01A | | C0122-02A | | C0122-03A | | Reporting |
|---|---|---|---|---|---|---|---|
| IAL ID: | E08-00866-26 | | E08-00866-27 | | E08-00866-28 | | Limits |
| Compound | ug | ug/m3 | ug | ug/m3 | ug | ug/m3 | ug |
| Formaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acetone | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Acrolein | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Propionaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Crotonaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Butyraldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Benzaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Isovaleraldehyde | < 0.6 | < 1.3 | < 0.6 | < 1.3 | < 0.6 | < 1.3 | 0.6 |
| Valeraldehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| o-Tolualdehyde | < 0.2 | < 0.4 | < 0.2 | < 0.4 | < 0.2 | < 0.4 | 0.2 |
| m- and p-Tolualdehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |
| Hexaldehyde | < 0.1 | < 0.2 | < 0.1 | < 0.2 | < 0.1 | < 0.2 | 0.1 |

Notes: Calculations of concentrations in air are based upon air sampling data reported by client.
Analytical results relate only to the samples as received at the laboratory.

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: D. Mitchell

## Summary of Results

Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Attn: Shawn Ansbro

Report Date: 2/7/08
Job Number: E08-00866
Date Received: 1/24/08
Date Analyzed: 2/6/08

Project: Countywide
Project #: 07-0082

Analysis: Hydrogen Chloride and Hydrogen Fluoride, NIOSH 7903

| Sample ID | IAL ID | Hydrogen Fluoride ug | Hydrogen Fluoride ug/m3 | Hydrogen Chloride ug | Hydrogen Chloride ug/m3 |
|---|---|---|---|---|---|
| S0122 -01H | E08-00866-05 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| S0122-02H | E08-00866-06 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| S0122-03H | E08-00866-07 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0122-01H | E08-00866-08 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0122-02H | E08-00866-09 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| G0122-03H | E08-00866-10 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0122-01H | E08-00866-11 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0122-02H | E08-00866-12 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| W0122-03H | E08-00866-13 | 0.74 | 1.5 | < 0.4 | < 0.8 |
| C0122-01H | E08-00866-14 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| C0122-02H | E08-00866-15 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| C0122-03H | E08-00866-16 | < 0.6 | < 1.3 | < 0.4 | < 0.8 |
| Reporting Limit | | 0.6 | | 0.4 | |

Note: Calculations of concentrations in air are based upon air sampling data reported by client. Analytical results relate only to the samples as received at the laboratory.

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: D. Mitchell