Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #3

August 20, 2007

To Fulfill the Requirements Set Forth in Order 5.A. of the Ohio EPA Director's Findings and Orders Dated March 28, 2007

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Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #3
August 20, 2007
Monitoring Events #6 through 12

1.0 INTRODUCTION

Beginning on Monday May 21, 2007, ambient air sampling is being conducted every six days as mandated by Order 5.A. of the Ohio EPA Director's Findings and Orders dated March 28, 2007. This report covers the analytical results from the following Monitoring Events.

Event #6: Wednesday June 20 to Thursday June 21.
Event #7: Tuesday June 26 to Wednesday June 27.
Event #8: Monday July 02 to Tuesday July 03.
Event #9: Sunday July 08 to Monday July 09.
Event #10: Saturday July 14 to Sunday July 15.
Event #11: Friday July 20 to Saturday July 21.
Event #12: Thursday July 26 to Friday July 27.

Air samples were collected over a 24-hour period at four locations: Bolivar Elementary School; the cell tower on the Countywide facility; near the top of the hill at the KOA campground to the northeast of the landfill; and near the small bridge along the road that borders the wetland area immediately to the east of the landfill (Figure 1). The road is the specified route for the trucks entering Countywide facility. The wetland is consistently in the area of maximum impact predicted by the air model. Since there are no people working or residing in the wetland, it is being considered a temporary location until such time as the Agency specifies a fourth permanent monitoring location. The campground is also frequently in the area of impact predicted by the air model.

As specified by the Ohio EPA in Bryan Zima's March 28, 2007 letter to Jason Perdion of Baker & Hostetler, air samples were analyzed for the following groups of compounds:

- Volatile Organic Compounds (VOCs): EPA Method TO-15 modified with Tentatively Identified Compounds (TICs)
- Sulfur Compounds: EPA Method TO-15 modified
- Aldehydes and Ketones: EPA Method TO-11A
- Hydrogen Fluoride and Hydrogen Chloride: NIOSH Method 7903

All analyses were performed by Integrated Analytical Laboratory (IAL), Randolph, NJ. Certification numbers: ELAP-11402; NJDEP-14751; AIHA-100201.

As a conservative first evaluation, the concentrations of chemicals detected in the air samples were compared to the corresponding USEPA Region 9 Preliminary Remediation Goals (PRGs). The USEPA Region 9 PRG is the concentration of a chemical in the ambient air that is estimated to be without significant risk to a person who would breathe that level of chemical continuously over many decades. The Region 9 PRGs are derived using conservative mathematical formulas and do not represent the level of a chemical in the air (or other environmental media) where health effects are likely to occur. Region 9 PRGs are generally accepted as conservative screening values, such that if the concentration of a chemical in the air is less than the corresponding PRG, most public health officials and regulators are confident that there is no risk to human health. On the other hand, an analytical result that exceeds the corresponding PRG does not mean that there is an unacceptable risk to public health. The chemical that were detected in these Monitoring Events are commonly found at low levels in ambient air. For some compounds such as benzene, the mathematically-derived Region 9 PRG of 0.25 ug/m^3 is lower than the average background concentration of 1.96 ug/m^3 in ambient air in Ohio (Ohio EPA, *Portsmouth Ohio Air Quality Study 2003*). Consequently, finding certain chemicals in ambient air at levels above PRGs that are very close to analytical detection limits is not uncommon and may simply reflect fluctuations in background sources. It should be noted that not all of the compounds found in the air samples have corresponding PRGs.

Ambient environmental/climate conditions are discussed in Section 2.0. Results of the monitoring are discussed in Section 3.0 and summarized in Section 4.0 of this report. Analytical results from the laboratory are provided in the Appendices.

2.0 AMBIENT CONDITIONS

The descriptions of ambient conditions are taken from the Daily Odor Monitoring Summary compiled by Countywide's consultant, Diversified Engineering.

Event #6, June 20/21, 2007:
Average temperature in degrees F: 67, Max. 80, Min. 55.
Winds were light at 1 mph out of the NW/NE with maximum speeds of 10 mph.
Average relative humidity74% with fog. No precipitation.
Complaints: Two complaints from residents at the intersection of Gracemont and Bolivar Dam Road at approximately 10:30 AM on 6/21. Trenching for gas laterals and installation of a gas pump was being conducted at the time.

Event #7, June 26/27, 2007:
Average temperature in degrees F: 78, Max. 90, Min. 66.
Winds were light at 2 mph out of the SW with maximum speeds of 14 mph.
Average relative humidity: 72%. Rain and thunderstorms.
Complaints: One from resident at 2620 Haut Street, East Sparta at approximately 5:47 PM. There were no identifiable odor causing activities at the time.

Event #8: July 02/03, 2007:
Average temperature in degrees F: 60, Max. 77, Min. 46
Winds were calm with maximum speeds of 7 mph out of the SE/NE.
Average relative humidity was 59% with no precipitation.
Complaints: None.

Event #9: July 08/09, 2007:
Average temperature in degrees F: 74, Max. 89, Min. 59
Winds were calm with maximum speeds of 9 mph out of the SW
Average relative humidity was 66% with no precipitation.
Complaints: One complaint from 3232 Downing Street, East Sparta received at 11:32 PM. Remediation maintenance was taking place.

Event #10, July 14/15, 2007:
Average temperatures in degrees F: 68/73, Max. 82/84, Min. 55/63
Winds were generally calm on 7/14 with maximum speeds out of the SSW at 13 mph. Winds average 4 mph with maximum speeds out of the NW/NE at 10 mph on 7/15.
Average humidity was 71% on 7/14 and 60% on 7/15 with no precipitation either day.
Complaints: Two were received on 7/14, one from 3232 Downing Street, East Sparta at 12:32 PM; and the second from 2940 Haut Street, East Sparta at 11:29 PM. Maintenance was being performed on the gas collection system at the time.

Event #11, July 20/21, 2007:
Average temperature in degrees F on 7/21: 64, Max. 77, Min. 51
Winds were generally calm with speeds of 8 mph from the NE.
Average humidity on 7/21: 66% with no precipitation.
Complaints: Five complaints were received on 7/21 from the following locations: 12102 Sherman Church, Bolivar at 2:39 PM; intersection of Gracement and Sherman Church in Bolivar at 3:18 PM; 4630 Riverdale, Bolivar at 4:02 PM; 317 Park Street, Bolivar at 9:05 PM; and 365 Park Street, Bolivar at 9:14 PM. Repair work was being performed on one of the extraction wells and there were several intermittent flare outages.

Event #12, July 26/27/ 2007:
Average temperature in degrees F on 7/26: 70, Max. 78, Min. 62
Winds were light at 2 mph with maximum speeds of 9 mph.
Average humidity was 83% with fog and rain.
Complaints: At 10:35 one complaint was received reporting the odor from Haut Street east to Sherman Church Road to Downing Street and east to the KOA campground. During this time period there were several potential odor causing events including a leachate breakout on the south slope near 5AB, excavation into the waste mass and installation of horizontal connector tie-ins.

3.0 ANALYTICAL RESULTS

The laboratory analyzed the air samples for a large number of chemicals. Only those results that exceeded Region 9 PRGs will be discussed in the body of the report. Other compounds may have been detected in a sample, but were quantified at concentrations below the respective PRG. All of the analytical results from the laboratory are provided in the Appendices.

3.1 Volatile Organic Compounds

Compounds detected by Method TO-15 modified are summarized in Tables 1 through 7. Method TO-15 analyzes air samples collected in a summa canister for the presence of an extensive list of volatile organic compounds. In addition to a "standard analyte" list, this method also has the capability to tentatively identify and estimate the concentration of numerous compounds that are not on the "standard" list. These Tentatively Identified Compounds, or TICs, include some compounds for which there are other specific analytical methods. Of particular relevance to interpreting the data from this monitoring effort is the fact that Method TO-15 identifies acetaldehyde, a carbonyl compound that is a specific target for Method TO-11A. All results for acetaldehyde will be discussed in Section 3.3. Data reports from the analytical laboratory are provided in the Appendices. Results that exceeded corresponding Region 9 PRGs and any other relevant findings are discussed below. Chemicals that were detected below PRGs will not be discussed unless those particular results help to explain other findings.

Event #6, June 20/21, 2007:
Analytical results for Method TO-15 for Event #6 are summarized in Table 1 and provided in Appendix A. No VOCs were detected at concentrations exceeding PRGs.

Event #7, June 26/27, 2007:
Analytical results for Method TO-15 for Event #7 are summarized in Table 1 and provided in Appendix B. No VOCs were detected at concentrations exceeding PRGs.

Event #8, July 02/03, 2007:
Analytical results for Method TO-15 for Event #7 are summarized in Table 3 and provided in Appendix C. Four compounds were measured at levels above their respective PRGs.

Event #8: VOCs Detected Above PRGs
Concentrations in ug/m3

Compound	PRG	School	Cell Tower	Campground	Wetland
Methylene chloride	**4.1**	3.2	3	**5.7**	2
1,2,4-Trimethylbenzene	**6.2**	**20**	**12**	**16**	ND
1,3,5-	**6.2**	**7.4**	4.5	**6.2**	ND

Trimethylbenzene					
m/p-Xylene	**110**	**134**	98	**169**	23

Event #9, July 08/09, 2007:
Analytical results for Method TO-15 for Event #9 are summarized in Table 4 and provided in Appendix D. Four compounds were measured at levels above their respective PRGs. Winds were out of the SW for most of this time period, placing the school upwind and the other three locations potentially downwind of the landfill.

Event #9: VOCs Detected Above PRGs
Concentrations in ug/m3

Compound	PRG	School	Cell Tower	Campground	Wetland
Methylene chloride	**4.1**	ND	**49**	**50**	**56**
1,2,4-Trimethylbenzene	**6.2**	ND	ND	**8.2**	4.1
Acetonitrile (TIC)	**62**	ND	**86**	**50**	**86**
Tetrahydrofuran	**0.99**	ND	**13**	**18**	**18**

Event #10, July 14/15, 2007:
Analytical results for Method TO-15 for Event #10 are summarized in Table 5 and provided in Appendix E. Methylene chloride was measured above the PRG in three locations.

Event #10: VOCs Detected Above PRGs
Concentrations in ug/m3

Compound	PRG	School	Cell Tower	Campground	Wetland
Methylene chloride	**4.1**	**4.8**	ND	**74**	**9.9**

Event #11, July 20/21, 2007:
Analytical results for Method TO-15 for Event #11 are summarized in Table 6 and provided in Appendix F. Three compounds were detected above their PRGs. Methylene chloride and 1, 2, 4-trimethylbenzene have been frequently detected during this air monitoring program. However, ethylene oxide has not been identified in any previous samples from 2006 or 2007. The origin of this compound is unknown.

Event #11: VOCs Detected Above PRGs
Concentrations in ug/m3

Compound	PRG	School	Cell Tower	Campground	Wetland
Methylene chloride	**4.1**	**376D**	**9.9**	2.7	**6.2**
1,2,4-Trimethylbenzene	**6.2**	2.8	ND	**8.3**	ND
Ethylene oxide (TIC)	**0.019**	ND	ND	**2.5**	ND

Note: The analytical laboratory indicated that the sample from the school required dilution in order to analyze it. This result appears to be an anomaly and is not consistent

with the range of methylene chloride concentrations detected during this specific sampling event or over the course of the monitoring program.

Event #12, July 26/27, 2007:
Analytical results for Method TO-15 for Event #12 are summarized in Table 7 and provided in Appendix G. Three compounds were detected above their PRGs. The methylene chloride results from the school and the cell tower, and the acetonitrile results from the cell tower, campground and wetland may be anomalies and are outside of the range of results reported over the course of the monitoring program. The potential sources of these compounds will be further evaluated.

Event #12: VOCs Detected Above PRGs
Concentrations in ug/m3

Compound	PRG	School	Cell Tower	Campground	Wetland
Methylene chloride	**4.1**	**26**	**41**	**6.5**	**10**
1,2,4-Trimethylbenzene	**6.2**	6.1	ND	ND	**6.2**
Acetonitrile (TIC)	**62**	45	**99**	**131**	**600**

3.2 Sulfur Compounds

No sulfur compounds were detected at any location during these three monitoring events.

3.3 Aldehydes and Ketones

In order to obtain a continuous 24 hours of data, three separate gel collection tubes were sequentially exposed to ambient air for a period of approximately 8 hours each. Consequently there are three separate sample results for each location for each monitoring event.

Event #6, June 20/21, 2007:
Formaldehyde was detected at concentrations above the PRG in at least one of the three sampling tubes from each of the four locations as summarized below. Acetaldehyde was detected only once by Method TO-11A, however this compound was detected by Method TO-15 at concentrations above the PRG at three locations. With light winds from the NW/NE, the campground would have been upwind of the landfill most of the time during this sampling event. The fact that these compounds were detected at similar levels from all locations during the same time period suggests that this compound is a constituent of local background. No other aldehydes were detected by EPA Method TO-11A. Analytical results for aldehydes are summarized below. Analytical results are in Appendix A.

Event #6: Aldehydes
Concentrations in ug/m3

Aldehyde	**PRG**	**School**			**Cell Tower**			**Campground**			**Wetland**		
		1	2	3	1	2	3	1	2	3	1	2	3
Formaldehyde	**0.15**	ND	**1.1**	ND	**.39**	**.64**	ND	**.64**	**.96**	ND	ND	**.28**	ND
Acetaldehyde TO-11A	0.87	ND	ND	ND	ND	ND	ND	.27	ND	ND	ND	ND	ND
Acetaldehyde TO-15 (TIC)	**0.87**	**8.5**			**4.0**			ND			**4.7**		

Event #7, June 26/27, 2007:
Consistent with prevailing winds from the SW, the school would have been upwind of the landfill during much of this sampling event. Method TO-11A detected formaldehyde and acetaldehyde above the PRG at least once at all locations except for the campground. Method TO-15 tentatively identified (TIC) the presence of acetaldehyde above the PRG at all four locations. Butyraldehyde was only detected at the cell tower. The fact that there is little difference between the upwind and downwind locations suggests that there are local sources of aldehydes other than the landfill. Analytical results are in Appendix B.

Event #7: Aldehydes
Concentrations in ug/m3

Aldehyde	**PRG**	**School**			**Cell Tower**			**Campground**			**Wetland**		
		1	2	3	1	2	3	1	2	3	1	2	3
Formaldehyde	**0.15**	**.69**	**.53**	ND	**1.5**	**1.1**	**.25**	ND	ND	ND	**1.1**	ND	ND
Acetaldehyde TO-11A	0.87	.86	ND	ND	.63	.44	ND	ND	ND	ND	.46	ND	ND
Acetaldehyde TO-15 (TIC)	**0.87**	**5.2**			**3.8**			**5.9**			**3.2**		
Butyraldehyde	NA	ND	ND	ND	.39	.35	ND	ND	ND	ND	ND	ND	ND

Event #8, July 02/03, 2007:
Formaldehyde was detected in one sample from the cell tower and one sample from the campground, but not in any other samples. Measurable levels of acetaldehyde were below the PRG. Analytical results are in Appendix C.

Event #8: Aldehydes
Concentrations in ug/m3

Aldehyde	**PRG**	**School**			**Cell Tower**			**Campground**			**Wetland**		
		1	2	3	1	2	3	1	2	3	1	2	3
Formaldehyde	**0.15**	ND	ND	ND	**.37**	ND	ND	ND	**.46**	ND	ND	ND	ND
Acetaldehyde TO-11A	0.87	ND	.3	.58	.39	ND	.45	.50	.25	ND	.30	.24	ND
Acetaldehyde	0.87	ND			ND			ND			ND		

TO-15 (TIC)					

Event #9, July 08/09, 2007:
During this time period, the predominant winds were out of the SW putting the school upwind for most of the sampling event. Both formaldehyde and acetaldehyde were measured by Method TO-11A at levels above the PRGs, with the highest levels occurring at the cell tower. Although acetaldehyde was not detected at the school by Method TO-11A, it was tentatively identified at this location by Method TO-15 at a concentration exceeding the PRG. Analytical results are in Appendix D.

Event #9: Aldehydes
Concentrations in ug/m3

Aldehyde	**PRG**	**School**			**Cell Tower**			**Campground**			**Wetland**		
		1	2	3	1	2	3	1	2	3	1	2	3
Formaldehyde	**0.15**	ND	ND	**.31**	ND	**1.0**	**.78**	**.84**	**.25**	ND	ND	**1.1**	ND
Acetaldehyde TO-11A	**0.87**	ND	ND	ND	**.52**	**1.0**	**.91**	ND	ND	ND	ND	ND	ND
Acetaldehyde TO-15 (TIC)	**0.87**	**5.4**			ND			ND			ND		
Butyraldehyde	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.23	ND
Propionaldehyde	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.27	ND

Event #10, July 14/15, 2007:
Formaldehyde was detected at similar concentrations at both upwind and downwind locations. Method TO-15 tentatively identified acetaldehyde at a level above the PRG at the cell tower, but not at the other locations. Levels of acetaldehyde measured by TO-11A were below the PRG. Analytical results are in Appendix E.

Event #10: Aldehydes
Concentrations in ug/m3

Aldehyde	**PRG**	**School**			**Cell Tower**			**Campground**			**Wetland**		
		1	2	3	1	2	3	1	2	3	1	2	3
Formaldehyde	**0.15**	**.27**	**.84**	ND	ND	**.45**	ND	**.74**	ND	**.77**	**.36**	**.27**	ND
Acetaldehyde TO-11A	0.87	ND	.40	ND	ND	ND	ND	ND	ND	.32	ND	ND	ND
Acetaldehyde TO-15 (TIC)	**0.87**		ND			**3.6**			ND			ND	
Butyraldehyde	NA	ND	.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propionaldehyde	NA	ND	.39	ND	ND	ND	ND	.61	ND	ND	ND	ND	ND

Event #11, July 20/21, 2007:
Formaldehyde was detected at levels above the Region 9 PRG in at least one sample tube from each of the four locations. No other aldehydes were detected by EPA Method TO-11A. Concentrations were similar in all four locations. Analytical results are in Appendix F.

Event #11: Aldehydes
Concentrations in ug/m3

Aldehyde	**PRG**	**School**			**Cell Tower**			**Campground**			**Wetland**		
		1	2	3	1	2	3	1	2	3	1	2	3
Formaldehyde	**0.15**	**.43**	**.48**	ND	ND	**.70**	ND	**.41**	**.49**	ND	ND	**.48**	**.26**

Event #12, July 26/27, 2007:
Formaldehyde was detected above the PRG in at least one sample from all locations except for the cell tower. Method TO-15 tentatively identified acetaldehyde at concentrations above the PRG at the school and the wetland. Analytical results are in Appendix G.

Event #12: Aldehydes
Concentrations in ug/m3

Aldehyde	**PRG**	**School**			**Cell Tower**			**Campground**			**Wetland**		
		1	2	3	1	2	3	1	2	3	1	2	3
Formaldehyde	**0.15**	**.89**	**1.1**	**.38**	ND	ND	ND	**.77**	**2.2**	ND	ND	ND	**.88**
Acetaldehyde TO-11A	0.87	.29	ND	ND	ND	ND	ND	ND	.36	ND	ND	.28	ND
Acetaldehyde TO-15 (TIC)	**0.87**	**5.9**			ND			ND			**16**		

3.4 Hydrogen Chloride and Hydrogen Fluoride

As with the aldehyde and ketone samples, three separate gel collection tubes were sequentially exposed to ambient air for a period of approximately 8 hours each. Consequently there are three separate sample results for each location for each monitoring event. The concentrations of HF and HCl in the air are quantified based on the mass of fluoride and chloride ion captured on the gel inside the tubes and the volume of air that was passed through the tube.

Analytical results for sampling events #6 through #12 are summarized below. All detected concentrations are very low, and were orders of magnitude below the PRG for HCl.

Event #6, June 20/21, 2007:
Analytical results are in Appendix A.

Event #6: Hydrogen Fluoride and Hydrogen Chloride
Concentrations in ug/m3

Compound	**PRG**	**School**			**Cell Tower**			**Campground**			**Wetland**		
		1	2	3	1	2	3	1	2	3	1	2	3
HF	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HCl	210	1.6	6.9	6.3	20	ND	3.4	3.0	9.0*	7.2*	2.3*	7.0*	1.6*

*Greater than 10% in back section indicates possible breakthrough.

Event #7, June 26/27, 2007:
Analytical results are in Appendix B.

Event #7: Hydrogen Fluoride and Hydrogen Chloride Concentrations in ug/m3

Compound	PRG	School			Cell Tower			Campground			Wetland		
		1	2	3	1	2	3	1	2	3	1	2	3
HF	NA	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HCl	210	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Event #8, July 02/03, 2007:
Analytical results are in Appendix C.

Event #8: Hydrogen Fluoride and Hydrogen Chloride Concentrations in ug/m3

Compound	PRG	School			Cell Tower			Campground			Wetland		
		1	2	3	1	2	3	1	2	3	1	2	3
HF	NA	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
HCl	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Event #9, July 08/09, 2007:
Analytical results are in Appendix D.

Event #9: Hydrogen Fluoride and Hydrogen Chloride Concentrations in ug/m3

Compound	PRG	School			Cell Tower			Campground			Wetland		
		1	2	3	1	2	3	1	2	3	1	2	3
HF	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HCl	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Event #10, July 14/15, 2007:
Analytical results are in Appendix E.

Event #10: Hydrogen Fluoride and Hydrogen Chloride Concentrations in ug/m3

Compound	PRG	School			Cell Tower			Campground			Wetland		
		1	2	3	1	2	3	1	2	3	1	2	3
HF	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HCl	210	2.8	1.3	31.1	ND	1.3*	ND	ND	1.9	1.1	ND	1.0	ND

*Greater than 10% in back section indicates possible breakthrough.

Event #11, July 20/21, 2007:
Analytical results are in Appendix F.

Event #11: Hydrogen Fluoride and Hydrogen Chloride Concentrations in ug/m3

Compound	PRG	School			Cell Tower			Campground			Wetland		
		1	2	3	1	2	3	1	2	3	1	2	3
HF	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HCl	210	ND	18*	2.3	1.0	2.8	1.5	ND	ND	ND	1.2	ND	ND

*Greater than 10% in back section indicates possible breakthrough.

Event #12, July 26/27, 2007:
Analytical results are in Appendix G.

Event #12: Hydrogen Fluoride and Hydrogen Chloride Concentrations in ug/m3

Compound	PRG	School			Cell Tower			Campground			Wetland		
		1	2	3	1	2	3	1	2	3	1	2	3
HF	NA	ND	ND	ND	ND	ND	ND	ND	ND	2.6*	ND	ND	ND
HCl	210	ND	1.4*	5.4	2.7	5.6*	6.5*	1.2	ND	23*	ND	11	22*

*Greater than 10% in back section indicates possible breakthrough.

4.0 SUMMARY

Several compounds were detected at concentrations exceeding the respective conservative Region 9 PRGs for long-term continuous exposure. However, because of constantly changing environmental conditions related to the weather, exposures to any individual person are transient-such that the real risks are much, much lower than a simple comparison to the PRGs might suggest. There are multiple potential sources for most of the compounds that were found in the monitoring samples. In addition to the landfill, common consumer products, building materials and automotive emissions could have contributed to presence of the chemicals that were measured in the air samples.

Relevant findings from the ambient air sampling conducted so far are summarized below.

- With certain exceptions, the analytical results from the 6th through 12th rounds of sampling are consistent with previous findings.

- On one or more occasions, the following compounds were detected at concentrations exceeding their respective PRGs: methylene chloride; 1, 2, 4-trimethylbenzene; 1, 3, 5-trimethylbenzene; m/p-xylene;acetonitrile; acetaldehyde; tetrahydrofuran; and ethylene oxide. The potential sources of these compounds will be further evaluated in the First Quarterly Report expected to be issued in early September.

- All quantifiable analytical results for formaldehyde are above the PRG. There are two immediately apparent reasons for these findings. The first is that the PRG for formaldehyde is a risk-based number that was derived using extremely conservative assumptions. The second is the fact that the laboratory detection limit for formaldehyde is approximately the same as the PRG. Consequently, any measurable amount of formaldehyde (by Integrated Analytical Laboratories) is almost certain to translate into an air concentration that exceeds the PRG.

- All sample result for hydrogen fluoride and hydrogen chloride are orders of magnitude below any health based standards. Furthermore, there does not seem to be a discernable pattern to the results which would point to a particular source. It is recommended that sampling for these parameters be eliminated.

- To date, the findings of the air monitoring program do not suggest either an immediate or a long-term threat to public health.

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #3

August 20, 2007

EPA Method TO-15 SUMMARY TABLES

Countywide Recycling & Disposal Facility
EPA Method TO-15 Modified: Volatile Organic Compounds
Table 1:Event #6, June 20/21, 2007

Analyte		Monitoring Location			
	PRG	*School*	*Cell Tower*	*Campground*	*Wetland*
	All results in ug/m3				
Method TO-15 Modified					
t-Butyl-alcohol	NA	ND	ND	1.6	ND
Carbon disulfide	730	ND	ND	ND	ND
Chloromethane	95	2.5	2.2	2.4	2.5
Ethylbenzene	1100	ND	ND	2.6	ND
Hexane	210	ND	ND	1.8	ND
Methyl ethyl ketone	5100	4.1	3.1	2.3	3.4
Methylene Chloride	4.1	ND	2.1	7.4	ND
Toluene	400	2.7	2.3	2.8	81
m/p-Xylene	110	3.8	5.1	9.3	2.5
o-Xylene	110	ND	ND	2.9	ND
Tentatively Identified Compounds					
Acetonitrile	62	6	ND	ND	ND
Acetaldehyde	**0.87**	8.5	4	ND	4.7
Butane	NA	5.5	5	ND	6.4
2-Methyl butane	NA	20	11	11	14
Ethanol	NA	ND	2.3	ND	2.8
Tetrahydrofuran	0.99	ND	ND	ND	ND
Eicosane	NA	ND	ND	24.2	ND
1,4-Pentadiene	NA	ND	ND	ND	3.9

ND = Not Detected
NA = Not Availabe
Shading indicates result exceeds PRG

Countywide Recycling & Disposal Facility
EPA Method TO-15 Modified: Volatile Organic Compounds
Table 2: Event #7 June 26/27, 2007

Analyte		Monitoring Location			
	PRG	*School*	*Cell Tower*	*Campground*	*Wetland*
	All results in ug/m3				
Method TO-15 Modified					
Acetone	3300	ND	22	ND	34
t-Butyl-alcohol	NA	ND	ND	2.3	4.2
Chloromethane	95	2.2	2	2.3	2.3
Ethylbenzene	1100	ND	ND	2.7	15
Heptane	NA	ND	ND	3.4	ND
Hexane	210	2.2	ND	ND	ND
Methyl ethyl ketone	5100	4.9	3.8	5.5	4
Toluene	400	4.1	ND	7.1	ND
1,2,4-Trimethylbenzene	6.2	ND	ND	ND	6
m/p-Xylene	110	7.4	4.3	9.9	62
o-Xylene	110	2.8	ND	3.6	21
Tentatively Identifed Compounds					
Acetonitrile	62	16	15	ND	2
Acetaldehyde	**0.87**	5.2	3.8	5.9	3.2
Butane	NA	5.2	3.6	5	3.6
2-Methyl butane	NA	29	ND	29	ND
Ethanol	NA	2.1	ND	3.2	ND
Pentane	NA	4.4	ND	4.4	ND
2-Methyl pentane	NA	ND	4.9	ND	4.9
Hexanal	NA	ND	ND	4	ND
2-Methyl-1,3-Butadiene	NA	ND	ND	3.1	ND
3-Furanmethanol	NA	4.4	ND	ND	ND
2,3-Diazabicyclo[2.2.1]-hept-2-ene	NA	8.6	ND	ND	ND
Ethanone, 1-(1,3-dimethyl-3-cyclo..)	NA	8.7	ND	ND	ND
D-Limonene	NA	ND	ND	15	ND
Propane	NA	ND	3.1	ND	2
2-Methyl-1,3-Butadiene	NA	ND	3.9	3.1	7.8
Hexadecane	NA	ND	15.7	ND	ND
Hexamethyl-cyclotrisiloxane	NA	ND	ND	ND	11
1R-alpha-Pinene	NA	ND	ND	ND	6.1
1,2,3-Trimethylbenzene	NA	ND	ND	ND	5.4

ND = Not Detected
NA = Not Available
Shading indicates result exceeds PRG

Countywide Recycling & Disposal Facility
EPA Method TO-15 Modified: Volatile Organic Compounds
Table 3: Event #8 July 02/03, 2007

Analyte	PRG	Monitoring Location			
		School	*Cell Tower*	*Campground*	*Wetland*
	All results in ug/m3				
Method TO-15 Modified					
t-Butyl-alcohol	NA	2.8	1.7	4.2	ND
Chloromethane	95	ND	ND	2.5	2.4
Dichlorodifluoromethane	210	2.8	3.3	ND	3.1
Ethylbenzene	1100	29	21	39	5.2
4-Ethyltoluene	NA	3.3	ND	14	ND
Hexane	210	2.2	ND	2	ND
Methyl ethyl ketone	5100	2.9	2	2.2	ND
Methylene chloride	**4.1**	3.2	3	5.7	2
Toluene	400	2.6	ND	2.5	ND
Trichlorofluoromethane	730	ND	ND	2.9	ND
1,2,4-Trimethylbenzene	6.2	20	12	16	ND
1,3,5-Trimethylbenzene	**6.2**	7.4	4.5	6.2	ND
m/p-Xylene	**110**	134	98	169	23
o-Xylene	110	52	43	65	9
Tentatively Identifed Compounds					
Acetonitrile	62	6.5	2.9	ND	ND
Isobutane	NA	5.9	ND	ND	5.7
Butane	NA	ND	5.7	ND	6.2
2-Methyl butane	NA	21	ND	11	ND
Pentane	NA	3.2	ND	ND	ND
2-Methyl pentane	NA	4.2	15	ND	ND
1-Ethyl-3-methyl-benzene	NA	11	6.9	ND	ND
1-Methylethyl-benzene	NA	5.4	ND	5.9	ND

ND = Not Detected
NA = Not Available
Shading indicates result exceeds PRG

Countywide Recycling & Disposal Facility
EPA Method TO-15 Modified: Volatile Organic Compounds
Table 4: Event #9 July 08/09, 2007

Analyte		Monitoring Location			
	PRG	*School*	*Cell Tower*	*Campground*	*Wetland*
	All results in ug/m3				
Method TO-15 Modified					
Acetone	3300	ND	23	ND	24
t-Butyl-alcohol	NA	ND	ND	2	ND
Carbon Disulfide	730	ND	ND	ND	ND
Chloromethane	95	2.5	2.5	2.5	2.4
Ethylbenzene	1100	2.3	4.4	12	7.6
4-Ethyltoluene	NA	ND	ND	ND	3
Hexane	210	2.4	ND	2.2	ND
Methyl ethyl ketone	5100	3.1	3.3	6.6	3.9
Methylene chloride	**4.1**	ND	49	50	56
Toluene	400	2.4	ND	20	1.9
Trichlorofluoromethane	730	ND	9.7	13	13
1,2,4-Trimethylbenzene	**6.2**	ND	ND	8.2	4.1
1,3,5-Trimethylbenzene	6.2	ND	ND	2.7	ND
m/p-Xylene	110	11	21	50	32
o-Xylene	110	3.9	7.3	24	12
Tentatively Identifed Compounds					
Acetonitrile	**62**	ND	86	50	86
Acetaldehyde	0.87	5.4	ND	ND	ND
3-Butenoic acid	NA	24	ND	ND	ND
Butane	NA	8.3	ND	4.7	5.5
2-Methyl butane	NA	14	ND	71	ND
Pentane	NA	3.8	ND	25	ND
2-Methyl-pentane	NA	3.9	ND	ND	ND
1-Ethyl-3-methyl-benzene	NA	ND	ND	5.4	ND
1R-alpha-pinene	NA	ND	ND	67	ND
Tetrahydrofuran	**0.99**	ND	13	18	18
Cyclopropane, ethylidene	NA	ND	ND	ND	8.6
Hydroperoxide, 1-methylethyl	NA	ND	7.5	ND	ND
1,3-Butadiene, 2-methyl	NA	ND	6.7	ND	ND
Dec-2-en-1-ol	NA	ND	8.9	ND	ND

ND = Not Detected
NA = Not Available
Shading indicates result exceeds PRG

Countywide Recycling & Disposal Facility
EPA Method TO-15 Modified: Volatile Organic Compounds
Table 5: Event #10 July 14/15, 2007

Analyte	PRG	Monitoring Location			
		School	*Cell Tower*	*Campground*	*Wetland*
	All results in ug/m3				
Method TO-15 Modified					
Acetone	3300	14	13	19	12
Carbon Disulfide	730	ND	ND	1.9	ND
Chloromethane	95	2.2	2.6	2.3	2.2
Cyclohexane	6200	ND	ND	3.1	ND
Ethylbenzene	1100	6.1	ND	5.4	ND
Methyl ethyl ketone	5100	ND	4.5	1.9	ND
Methylene chloride	4.1	4.8	ND	74	9.9
Toluene	400	ND	ND	ND	ND
Trichlorofluoromethane	730	ND	ND	5.1	ND
m/p-Xylene	110	49	ND	24	ND
o-Xylene	110	20	ND	9.1	ND
Tentatively Identifed Compounds					
Acetonitrile	62	3.5	ND	ND	ND
Acetaldehyde	0.87	ND	3.6	ND	ND
Butane	NA	4	ND	3.8	ND
Ethanol	NA	ND	ND	3.2	ND
Pentane	NA	ND	ND	3.5	ND
Pentadecane	NA	ND	ND	16	ND
1-Heptene-4-ol	NA	ND	6.5	ND	ND

ND = Not Detected
NA = Not Available
Shading indicates result exceeds PRG

Countywide Recycling & Disposal Facility
EPA Method TO-15 Modified: Volatile Organic Compounds
Table 6: Event #11 July 20/21, 2007

Analyte	PRG	Monitoring Location			
		School	*Cell Tower*	*Campground*	*Wetland*
	All results in ug/m3				
Method TO-15 Modified					
Carbon Disulfide	730	1.6	ND	ND	ND
Chloromethane	95	1.8	2.1	2.2	2
Cyclohexane	6200	ND	ND	ND	ND
Dichlorodifluoromethane	210	ND	ND	2.8	2.7
Ethylbenzene	1100	6.3	ND	15	ND
Methyl ethyl ketone	5100	ND	ND	ND	1.6
Methylene chloride	**4.1**	376D	9.9	2.7	6.2
Toluene	400	2.8	ND	ND	ND
Trichlorofluoromethane	730	9.6	ND	ND	ND
1,2,4-Trimethylbenzene	**6.2**	2.8	ND	8.3	ND
1,3,5-Trimethylbenzene	6.2	ND	ND	3.2	ND
m/p-Xylene	110	27	8.8	72	4.7
o-Xylene	110	11	3.5	31	ND
Tentatively Identifed Compounds					
Acetonitrile	62	4.5	ND	ND	ND
Isobutane	NA	3.3	ND	ND	ND
Butane	NA	6.2	ND	ND	4.3
2-Methyl butane	NA	ND	6.5	5.9	ND
Pentane	NA	6.2	ND	ND	6.5
1-Ethyl-3-methyl-benzene	NA	ND	ND	5.4	ND
1-Heptene-4-ol	NA	ND	ND	6.1	ND
Hexanal	NA	5.7	ND	ND	ND
2-Ethyk-1-hexanol	NA	ND	ND	5.3	ND
Ethylene oxide	**0.019**	ND	ND	2.5	ND
Nonanal	NA	ND	9.3	ND	ND

ND = Not Detected
NA = Not Available
Shading indicates result exceeds PRG

Countywide Recycling & Disposal Facility
EPA Method TO-15 Modified: Volatile Organic Compounds
Table 7: Event #12 July 26/27, 2007

Analyte		Monitoring Location			
	PRG	*School*	*Cell Tower*	*Campground*	*Wetland*
		All results in ug/m3			
Method TO-15 Modified					
t-Butyl-alcohol	NA	ND	ND	ND	2.9
Chloromethane	95	5.5	4.8	6.1	3.3
Dichlorodifluoromethane	210	4.2	2.7	3.9	ND
Ethylbenzene	1100	12	3.1	4	10
4-Ethyltoluene	NA	5.9	ND	ND	5
Hexane	210	2.6	2.1	2	2
Methyl ethyl ketone	5100	3.5	4.4	4.2	19
Methylene chloride	**4.1**	26	41	6.5	10
Toluene	400	2.3	ND	ND	ND
1,2,4-Trimethylbenzene	**6.2**	6.1	ND	ND	6.2
1,3,5-Trimethylbenzene	6.2	2.8	ND	ND	ND
m/p-Xylene	110	59	16	20	46
o-Xylene	110	29	6.5	8	19
Tentatively Identifed Compounds					
Acetonitrile	**62**	45	99	131	600
Acetaldehyde	**0.87**	5.9	ND	ND	16
Butane	NA	11	13	9.5	10
2-Methyl butane	NA	41	ND	ND	ND
Pentane	NA	12	ND	ND	ND
2-Methyl-pentane	NA	ND	ND	ND	13
Propane	NA	15	ND	ND	ND
1-Ethyl-2-methyl benzene	NA	ND	ND	4.9	ND
Hexamethyl-cyclotrisiloxane	NA	ND	ND	ND	43

ND = Not Detected
NA = Not Available
Shading indicates result exceeds PRG

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #3

August 20, 2007

APPENDIX A

Laboratory Analytical Results from June 20/21, 2007

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: 7/18/07
Job Number: E07-06352
Date Received: 6/22/07
Date Analyzed: 7/17/07
Data File: 071706
Summa ID: 2887

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

	Sample Name:	SU-C0620		Reporting Limits	
	IAL ID:	E07-06352-01			
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	2.2	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	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	ND	ND	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	1.1	3.1	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	0.61	2.3	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	5.1	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: 7/18/07
Job Number: E07-06352
Date Received: 6/22/07
Date Analyzed: 7/17/07
Data File: 071707
Summa ID: 3037

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

	Sample Name:	SU-G0620		Reporting Limits	
	IAL ID:	E07-06352-02			
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	0.52	1.6	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	1.2	2.4	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	0.59	2.6	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	0.50	1.8	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	0.77	2.3	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	2.1	7.4	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	0.73	2.8	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	2.1	9.3	0.50	2.2
o-Xylene	95-47-6	0.66	2.9	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: 7/18/07
Job Number: E07-06352
Date Received: 6/22/07
Date Analyzed: 7/16/07
Data File: 071610
Summa ID: 2892

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

	Sample Name:	SU-W0620		Reporting Limits	
	IAL ID:	E07-06352-03			
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	1.2	2.5	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	ND	ND	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	1.1	3.4	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	21	81	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	0.58	2.5	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: 7/18/07
Job Number: E07-06352
Date Received: 6/22/07
Date Analyzed: 7/16/07
Data File: 071611
Summa ID: 3038A

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

	Sample Name:	SU-S0620		Reporting Limits	
	IAL ID:	E07-06352-04			
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	1.2	2.5	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	ND	ND	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	1.4	4.1	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	0.71	2.7	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	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	0.88	3.8	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

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.: E07-06352
Date Received: 06/22/07

Sample#:
E07-06352-01, E07-06352-02, E07-06352-03, E07-06352-04

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

Summary of Results

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

Report Date: 7/18/2007
Job Number: E07-06352
Date Received: 6/22/2007
Date Analyzed: 7/17/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-C0620
IAL ID: E07-06352-01

Data File: 071706
Canister ID 2887

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Acetaldehyde	75-07-0	64	2.2	4.0
Butane	106-97-8	9	2.1	5.0
Ethanol	64-17-5	56	1.2	2.3
Butane, 2-methyl-	78-78-4	49	3.7	11

Sample Name: SU-G0620
IAL ID: E07-06352-02

Data File: 071707
Canister ID 3037

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane, 2-methyl-	78-78-4	49	3.7	11
Eicosane	112-95-8	35	2.1	24.2

The following compounds were not detected as tentatively identified compounds:
Carbonyl Sulfide, Methyl Mercaptan, Ethyl Mercaptan, Dimethyl Sulfide, Isopropyl Mercaptan, t-Butyl Mercaptan, n-Propyl Mercaptan, Thiophene, Isobutyl Mercaptan, 3-Methyl Thiophene, n-Butyl Mercaptan, Ethyl Methyl Sulfide, Diethyl Sulfide, Dimethyl Disulfide, Tetrahydrothiophene, 2-Ethylthiophene, 2,5-Dimethylthiophene, Diethyl Disulfide. Please note that the thermal desorption behaviors of these compounds have not been ascertained.

Summary of Results

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

Report Date: 7/18/2007
Job Number: E07-06352
Date Received: 6/22/2007
Date Analyzed: 7/17/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0620
IAL ID: E07-06352-03

Data File: 071610
Canister ID 2892

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Acetaldehyde	75-07-0	72	2.6	4.7
Butane	106-97-8	9	2.7	6.4
Ethanol	64-17-5	50	1.5	2.8
Butane, 2-methyl-	78-78-4	38	4.9	14
1,4-Pentadiene	591-93-5	91	1.4	3.9

Sample Name: SU-S0620
IAL ID: E07-06352-04

Data File: 071611
Canister ID 3038A

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Acetaldehyde	75-07-0	64	4.7	8.5
Butane	106-97-8	64	2.3	5.5
Acetonitrile	75-05-8	42	3.4	6
Butane, 2-methyl-	78-78-4	38	6.8	20

The following compounds were not detected as tentatively identified compounds:
Carbonyl Sulfide, Methyl Mercaptan, Ethyl Mercaptan, Dimethyl Sulfide, Isopropyl Mercaptan, t-Butyl Mercaptan, n-Propyl Mercaptan, Thiophene, Isobutyl Mercaptan, 3-Methyl Thiophene, n-Butyl Mercaptan, Ethyl Methyl Sulfide, Diethyl Sulfide, Dimethyl Disulfide, Tetrahydrothiophene, 2-Ethylthiophene, 2,5-Dimethylthiophene, Diethyl Disulfide.
Please note that the thermal desorption behaviors of these compounds have not been ascertained.

#6

Summary of Results

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

Report Date: 7/2/07
Job Number: E07-06352
Date Received: 6/22/07
Date Analyzed: 7/2/07

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

Sample Name:	S0620-01A		S0620-02A*		S0620-03A		Reporting
IAL ID:	E07-06352-05		E07-06352-06		E07-06352-07		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	0.44	1.1	< 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	< 1.5	< 0.6	< 1.2	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.5	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.5	< 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

* Greater than 10% in back section indicates possible breakthrough.

Sample Name:	G0620-01A		G0620-02A		G0620-03A		Reporting
IAL ID:	E07-06352-08		E07-06352-09		E07-06352-10		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.30	0.64	0.28	0.69	< 0.1	< 0.2	0.1
Acetaldehyde	0.13	0.27	< 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	< 1.5	< 0.6	< 1.2	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.5	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.5	< 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: E07-06352

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

Sample Name:	W0620-01A				W0620-02A				W0620-03A				Reporting Limits
IAL ID:	E07-06352-11				E07-06352-12				E07-06352-13				
Compound	ug		ug/m3		ug		ug/m3		ug		ug/m3		ug
Formaldehyde		<	0.1	<	0.2		0.11		0.28	<	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	<	1.5	<	0.6	<	1.2	0.6
Valeraldehyde	<	0.2	<	0.4	<	0.2	<	0.5	<	0.2	<	0.4	0.2
o-Tolualdehyde	<	0.2	<	0.4	<	0.2	<	0.5	<	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:	C0620-01A				C0620-02A				C0620-03A				Reporting Limits
IAL ID:	E07-06352-14				E07-06352-15				E07-06352-16				
Compound	ug		ug/m3		ug		ug/m3		ug		ug/m3		ug
Formaldehyde			0.18		0.39		0.26		0.64	<	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	<	1.5	<	0.6	<	1.2	0.6
Valeraldehyde	<	0.2	<	0.4	<	0.2	<	0.5	<	0.2	<	0.4	0.2
o-Tolualdehyde	<	0.2	<	0.4	<	0.2	<	0.5	<	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

Analyst: D. Mitchell

Summary of Results

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

Report Date: 07/02/07
Job Number: E07-06352
Date Received: 06/21/07
Date Analyzed: 07/02/07

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
S0620-01H	E07-06352-17	< 0.6	< 1.3	0.77	1.6
S0620-02H*	E07-06352-18	< 0.6	< 1.6	2.8	6.9
S0620-03H	E07-06352-19	< 0.6	< 1.3	3.0	6.3
G0620-01H	E07-06352-20	< 0.6	< 1.3	1.4	3.0
G0620-02H*	E07-06352-21	< 0.6	< 1.3	4.1	9
G0620-03H*	E07-06352-22	< 0.6	< 1.3	3.4	7.2
W0620-01H*	E07-06352-23	< 0.6	< 1.3	1.1	2.3
W0620-02H*	E07-06352-24	< 0.6	< 1.3	3.1	7
W0620-03H*	E07-06352-25	< 0.6	< 1.3	0.77	1.6
C0620-01H	E07-06352-26	< 0.6	< 1.3	9.6	20
C0620-02H	E07-06352-27	< 0.6	< 1.3	< 0.4	< 0.8
C0620-03H	E07-06352-28	< 0.6	< 1.3	1.6	3.4
Reporting Limit		0.6		0.4	

* Greater than 10% in back section indicates possible breakthrough.

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.

Jane E. Dennison, Ph.D., CIH
Laboratory Manager, Air

Analyst: D. Mitchell

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #3

August 20, 2007

APPENDIX B

Laboratory Analytical Results from June 26/27, 2007

Integrated Analytical Laboratories LLC

#7

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: 7/17/07
Job Number: E07-06569
Date Received: 6/28/07
Date Analyzed: 7/16/07
Data File: 071615
Summa ID: 3292

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

	Sample Name:	SU-S0626		Reporting Limits	
	IAL ID:	E07-06569-01			
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	2.2	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	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	0.63	2.2	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	1.7	4.9	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	1.1	4.1	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	1.7	7.4	0.50	2.2
o-Xylene	95-47-6	0.65	2.8	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: 7/17/07
Job Number: E07-06569
Date Received: 6/28/07
Date Analyzed: 7/17/07
Data File: 071616
Summa ID: 3101

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

	Sample Name:	SU-G0626		Reporting Limits	
	IAL ID:	E07-06569-02			
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	0.76	2.3	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	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	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	0.61	2.7	0.50	2.2
4-Ethyltoluene	622-96-8	ND	ND	0.50	2.5
Heptane	142-82-5	0.84	3.4	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	1.9	5.5	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	1.9	7.1	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	2.3	9.9	0.50	2.2
o-Xylene	95-47-6	0.83	3.6	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: 7/17/07
Job Number: E07-06569
Date Received: 6/28/07
Date Analyzed: 7/17/07
Data File: 071617
Summa ID: 9483B

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

	Sample Name:	SU-W0626		Reporting Limits	
	IAL ID:	E07-06569-03			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	14	34	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	1.4	4.2	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	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	3.4	15	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	1.4	4.0	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	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	ND	ND	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6	1.2	6.0	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	14	62	0.50	2.2
o-Xylene	95-47-6	4.9	21	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: 7/17/07
Job Number: E07-06569
Date Received: 6/28/07
Date Analyzed: 7/17/07
Data File: 071618
Summa ID: 2901

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

	Sample Name:	SU-C0626		Reporting Limits	
	IAL ID:	E07-06569-04			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	9.2	22	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	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	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	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	3.8	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	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	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	0.98	4.3	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

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.: E07-06569
Date Received: 06/28/07

Sample#:
E07-06569-01, E07-06569-02, E07-06569-03, E07-06569-04

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

Summary of Results

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

Report Date: 7/17/2007
Job Number: E07-06569
Date Received: 6/28/2007
Date Analyzed: 7/17/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S0626
IAL ID: E07-06569-01

Data File: 071615
Canister ID 3292

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
3-Furanmethanol	4412-91-3	72	1.1	4.4
Acetaldehyde	75-07-0	64	2.9	5.2
Butane	106-97-8	73	2.2	5.2
Ethanol	64-17-5	43	1.1	2.1
Acetonitrile	75-05-8	42	9.4	16
Butane, 2-methyl-	78-78-4	43	10	29
Pentane	109-66-0	90	1.5	4.4
2,3-Diazabicyclo[2.2.1]-hept-2-ene	2721-32-6	86	2.2	8.6
Ethanone, 1-(1,3-dimethyl-3-cycl...)	51733-68-7	72	1.4	8.7

Sample Name: SU-G0626
IAL ID: E07-06569-02

Data File: 071616
Canister ID 3101

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Acetaldehyde	75-07-0	86	3.3	5.9
Butane	106-97-8	4	2.1	5.0
Ethanol	64-17-5	56	1.7	3.2
Butane, 2-methyl-	78-78-4	58	10	29
Pentane	109-66-0	91	1.5	4.4
1,3-Butadiene, 2-methyl-	78-79-5	91	1.1	3.1
Hexanal	66-25-1	94	1.1	4
D-Limonene	5989-27-5	78	2.7	15

Summary of Results

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

Report Date: 7/17/2007
Job Number: E07-06569
Date Received: 6/28/2007
Date Analyzed: 7/17/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0626
IAL ID: E07-06569-03

Data File: 071617
Canister ID 9483B

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Propane	74-98-6	42	1.1	2.0
Acetaldehyde	75-07-0	9	1.8	3.2
Butane	106-97-8	64	1.5	3.6
Acetonitrile	75-05-8	40	1.3	2
1,3-Butadiene, 2-methyl-	78-79-5	91	2.8	7.8
Pentane, 2-methyl-	107-83-5	50	1.4	4.9
Cyclotrisiloxane, hexamethyl-	541-05-9	95	1.2	11
1R-.alpha. - Pinene	7785-70-8	95	1.1	6.1
Benzene, 1,2,3--trimethyl-	526-73-8	49	1.1	5.4

Sample Name: SU-C0626
IAL ID: E07-06569-04

Data File: 071618
Canister ID 2901

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Propane	74-98-6	38	1.7	3.1
Acetaldehyde	75-07-0	64	2.1	3.8
Butane	106-97-8	4	1.5	3.6
Acetonitrile	75-05-8	42	9.1	15
1,3-Butadiene, 2-methyl-	78-79-5	86	1.4	3.9
Pentane, 2-methyl-	107-83-5	72	1.4	4.9
Hexadecane	544-76-3	80	1.7	15.7

Summary of Results

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

Report Date: 7/9/07
Job Number: E07-06569
Date Received: 6/28/07
Date Analyzed: 7/5/07

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

Sample Name:		S0626-01A		S0626-02A		S0626-03A		Reporting Limits
IAL ID:		E07-06569-17		E07-06569-18		E07-06569-19		
Compound		ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde		0.24	0.69	0.24	0.53 <	0.1 <	0.2	0.1
Acetaldehyde		0.30	0.86 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Acetone	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Acrolein	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Propionaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Crotonaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Butyraldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Benzaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Isovaleraldehyde	<	0.6 <	1.7 <	0.6 <	1.3 <	0.6 <	1.3	0.6
Valeraldehyde	<	0.2 <	0.6 <	0.2 <	0.4 <	0.2 <	0.4	0.2
o-Tolualdehyde	<	0.2 <	0.6 <	0.2 <	0.4 <	0.2 <	0.4	0.2
m- and p-Tolualdehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Hexaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1

Sample Name:		G0626-01A		G0626-02A		G0626-03A		Reporting Limits
IAL ID:		E07-06569-20		E07-06569-21		E07-06569-22		
Compound		ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Acetaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Acetone	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Acrolein	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Propionaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Crotonaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Butyraldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Benzaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Isovaleraldehyde	<	0.6 <	1.7 <	0.6 <	1.3 <	0.6 <	1.3	0.6
Valeraldehyde	<	0.2 <	0.6 <	0.2 <	0.4 <	0.2 <	0.4	0.2
o-Tolualdehyde	<	0.2 <	0.6 <	0.2 <	0.4 <	0.2 <	0.4	0.2
m- and p-Tolualdehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Hexaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1

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

Job Number: E07-06569

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

Sample Name:		W0626-01A		W0626-02A		W0626-03A		Reporting
IAL ID:		E07-06569-23		E07-06569-24		E07-06569-25		Limits
Compound		ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde		0.38	1.1 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Acetaldehyde		0.16	0.46 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Acetone	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Acrolein	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Propionaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Crotonaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Butyraldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Benzaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Isovaleraldehyde	<	0.6 <	1.7 <	0.6 <	1.3 <	0.6 <	1.3	0.6
Valeraldehyde	<	0.2 <	0.6 <	0.2 <	0.4 <	0.2 <	0.4	0.2
o-Tolualdehyde	<	0.2 <	0.6 <	0.2 <	0.4 <	0.2 <	0.4	0.2
m- and p-Tolualdehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Hexaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1

Sample Name:		C0626-01A*		C0626-02A		C0626-03A		Reporting
IAL ID:		E07-06569-26		E07-06569-27		E07-06569-28		Limits
Compound		ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde		0.52	1.5	0.48	1.1	0.12	0.25	0.1
Acetaldehyde		0.22	0.63	0.20	0.44 <	0.1 <	0.2	0.1
Acetone	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Acrolein	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Propionaldehyde	<	0.1 <	0.3	0.19	0.43 <	0.1 <	0.2	0.1
Crotonaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Butyraldehyde		0.14	0.39	0.16	0.35 <	0.1 <	0.2	0.1
Benzaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Isovaleraldehyde	<	0.6 <	1.7 <	0.6 <	1.3 <	0.6 <	1.3	0.6
Valeraldehyde	<	0.2 <	0.6 <	0.2 <	0.4 <	0.2 <	0.4	0.2
o-Tolualdehyde	<	0.2 <	0.6 <	0.2 <	0.4 <	0.2 <	0.4	0.2
m- and p-Tolualdehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1
Hexaldehyde	<	0.1 <	0.3 <	0.1 <	0.2 <	0.1 <	0.2	0.1

* Greater than 10% in back section indicates possible breakthrough for Acetaldehyde.

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.

Jane E. Dennison, Ph.D., CIH
Laboratory Manager, Air

Analyst: D. Mitchell

#7

Summary of Results

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

Report Date: 07/09/07
Job Number: E07-06569
Date Received: 06/28/07
Date Analyzed: 07/09/07

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
S0626-01H	E07-06569-05	< 0.6	< 1.3	< 0.4	< 0.8
S0626-02H	E07-06569-06	< 0.6	< 1.6	1.0	2.4
S0626-03H	E07-06569-07	< 0.6	< 1.3	< 0.4	< 0.8
G0626-01H	E07-06569-08	< 0.6	< 1.3	< 0.4	< 0.8
G0626-02H	E07-06569-09	< 0.6	< 1.3	< 0.4	< 0.8
G0626-03H	E07-06569-10	< 0.6	< 1.3	< 0.4	< 0.8
W0626-01H	E07-06569-11	< 0.6	< 1.3	< 0.4	< 0.8
W0626-02H	E07-06569-12	< 0.6	< 1.3	< 0.4	< 0.8
W0626-03H	E07-06569-13	< 0.6	< 1.3	< 0.4	< 0.8
C0626-01H	E07-06569-14	< 0.6	< 1.3	< 0.4	< 0.8
C0626-02H	E07-06569-15	< 0.6	< 1.3	< 0.4	< 0.8
C0626-03H	E07-06569-16	< 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.

Jane E. Dennison, Ph.D., CIH
Laboratory Manager, Air

Analyst: D. Mitchell

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #3

August 20, 2007

APPENDIX C

Laboratory Analytical Results from July 02/03, 2007

Integrated Analytical Laboratories LLC

Summary of Results

#8

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

Report Date: 7/24/07
Job Number: E07-06872
Date Received: 7/6/07
Date Analyzed: 7/24/07
Data File: 072311
Summa ID: 9375B

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

	Sample Name:	SU-S0702		Reporting Limits	
	IAL ID:	E07-06872-01			
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	0.92	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	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	0.56	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	6.6	29	0.50	2.2
4-Ethyltoluene	622-96-8	0.67	3.3	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	0.63	2.2	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	0.98	2.9	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	0.91	3.2	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	0.70	2.6	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	4.1	20	0.50	2.5
1,3,5-Trimethylbenzene	108-67-8	1.5	7.4	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	31	134	0.50	2.2
o-Xylene	95-47-6	12	52	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: 7/24/07
Job Number: E07-06872
Date Received: 7/6/07
Date Analyzed: 7/24/07
Data File: 072312
Summa ID: 9379B

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

	Sample Name:	SU-G0702		Reporting Limits	
	IAL ID:	E07-06872-02			
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	1.4	4.2	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	1.2	2.5	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	8.9	39	0.50	2.2
4-Ethyltoluene	622-96-8	2.9	14	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	0.73	2.2	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	1.6	5.7	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	0.66	2.5	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	0.52	2.9	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6	3.2	16	0.50	2.5
1,3,5-Trimethylbenzene	108-67-8	1.3	6.2	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	39	169	0.50	2.2
o-Xylene	95-47-6	15	65	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: 7/24/07
Job Number: E07-06872
Date Received: 7/6/07
Date Analyzed: 7/24/07
Data File: 072313
Summa ID: 2065

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

	Sample Name:	SU-W0702		Reporting Limits	
	IAL ID:	E07-06872-03			
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	2.4	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	0.63	3.1	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	1.2	5.2	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	0.57	2.0	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	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	5.2	23	0.50	2.2
o-Xylene	95-47-6	2.1	9.0	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: 7/24/07
Job Number: E07-06872
Date Received: 7/6/07
Date Analyzed: 7/24/07
Data File: 072314
Summa ID: 3047

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

	Sample Name:	SU-C0702		Reporting Limits	
	IAL ID:	E07-06872-04			
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	0.57	1.7	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	0.67	3.3	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	4.9	21	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	0.66	2.0	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	0.85	3.0	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	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	0.92	4.5	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	23	98	0.50	2.2
o-Xylene	95-47-6	9.8	43	0.50	2.2

D = Extra dilution required for this compound

Analyst: J. Schmitt

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.: E07-06872
Date Received: 07/06/07

Sample#:
E07-06872-01, E07-06872-02, E07-06872-03, E07-06872-04

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

Summary of Results

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

Report Date: 7/24/2007
Job Number: E07-06872
Date Received: 7/6/2007
Date Analyzed: 7/23/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0702
IAL ID: E07-06872-03

Data File: 072313
Canister ID 2065

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane	106-97-8	9	2.6	6.2
Isobutane	75-28-5	42	2.4	5.7

Sample Name: SU-C0702
IAL ID: E07-06872-04

Data File: 072314
Canister ID 3047

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane	106-97-8	9	2.4	5.7
Acetonitrile	75-05-8	40	1.7	2.9
Pentane, 2-methyl-	107-83-5	43	4.4	15
Benzene, 1-ethyl-3-methyl-	620-14-4	95	1.4	6.9

Summary of Results

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

Report Date: 7/24/2007
Job Number: E07-06872
Date Received: 7/6/2007
Date Analyzed: 7/23/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S0702
IAL ID: E07-06872-01

Data File: 072311
Canister ID 9375B

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Isobutane	75-28-5	9	2.5	5.9
Acetonitrile	75-05-8	40	3.9	6.5
Butane, 2-methyl-	78-78-4	43	7.1	21
Pentane	109-66-0	83	1.1	3.2
Pentane, 2-methyl-	107-83-5	86	1.2	4.2
Benzene, (1-methylethyl)-	98-82-8	83	1.1	5.4
Benzene, 1-ethyl-3-methyl-	620-14-4	95	2.3	11

Sample Name: SU-G0702
IAL ID: E07-06872-02

Data File: 072312
Canister ID 9379B

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane, 2-methyl-	78-78-4	47	3.6	11
Benzene, (1-methylethyl)-	98-82-8	91	1.2	5.9

#8

Summary of Results

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

Report Date: 7/16/07
Job Number: E07-06872
Date Received: 7/06/07
Date Analyzed: 7/10/07

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

Sample Name:	S0702-01A		S0702-02A		S0702-03A		Reporting
IAL ID:	E07-06872-17		E07-06872-18		E07-06872-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	< 0.1	< 0.3	< 0.1	< 0.2	0.1
Acetaldehyde	< 0.1	< 0.2	0.10	0.3	0.26	0.58	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.3	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.3	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.3	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.3	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.3	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.3	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.7	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.6	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.6	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.3	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.3	< 0.1	< 0.2	0.1

Sample Name:	G0702-01A		G0702-02A		G0702-03A		Reporting
IAL ID:	E07-06872-20		E07-06872-21		E07-06872-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.3	0.22	0.46	< 0.1	< 0.2	0.1
Acetaldehyde	0.18	0.50	0.12	0.25	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.7	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.6	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.6	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1

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

Job Number: E07-06872

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

Sample Name:	W0702-01A		W0702-02A		W0702-03A		Reporting
IAL ID:	E07-06872-23		E07-06872-24		E07-06872-25		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	0.14	0.30	0.10	0.24	< 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	< 1.5	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.5	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.5	< 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:	C0702-01A		C0702-02A		C0702-03A		Reporting
IAL ID:	E07-06872-26		E07-06872-27		E07-06872-28		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.17	0.37	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetaldehyde	0.18	0.39	< 0.1	< 0.2	0.20	0.45	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: 07/10/07
Job Number: E07-06872
Date Received: 07/06/07
Date Analyzed: 07/10/07

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
S0702-01H	E07-06872-05	< 0.6	< 1.4	< 0.4	< 0.8
S0702-02H	E07-06872-06	< 0.6	< 1.8	< 0.4	< 1.1
S0702-03H	E07-06872-07	< 0.6	< 1.4	< 0.4	< 0.9
G0702-01H	E07-06872-08	< 0.6	< 1.7	< 0.4	< 1.1
G0702-02H	E07-06872-09	< 0.6	< 1.3	< 0.4	< 0.8
G0702-03H	E07-06872-10	< 0.6	< 1.4	< 0.4	< 0.9
W0702-01H	E07-06872-11	< 0.6	< 1.4	< 0.4	< 0.8
W0702-02H	E07-06872-12	< 0.6	< 1.5	< 0.4	< 0.9
W0702-03H	E07-06872-13	< 0.6	< 1.4	< 0.4	< 0.9
C0702-01H	E07-06872-14	0.63	1.4	< 0.4	< 0.8
C0702-02H	E07-06872-15	< 0.6	< 1.3	< 0.4	< 0.8
C0702-03H	E07-06872-16	< 0.6	< 1.4	< 0.4	< 0.9
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 #3

August 20, 2007

APPENDIX D

Laboratory Analytical Results from July 08/09, 2007

Integrated Analytical Laboratories LLC

Summary of Results

#9

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

Report Date: 7/31/07
Job Number: E07-06959
Date Received: 7/10/07
Date Analyzed: 7/24/07
Data File: 072407
Summa ID: 3040

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

	Sample Name:	SU-S0708		Reporting Limits	
	IAL ID:	E07-06959-01			
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	1.2	2.5	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	0.52	2.3	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	0.68	2.4	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	1.0	3.1	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	0.64	2.4	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	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: 7/31/07
Job Number: E07-06959
Date Received: 7/10/07
Date Analyzed: 7/24/07
Data File: 072408
Summa ID: 2946

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

	Sample Name:	SU-G0708		Reporting Limits	
	IAL ID:	E07-06959-02			
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	0.65	2.0	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	1.2	2.5	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	2.8	12	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	0.61	2.2	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	14	50	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	5.4	20	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	2.2	13	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6	1.7	8.2	0.50	2.5
1,3,5-Trimethylbenzene	108-67-8	0.55	2.7	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	12	50	0.50	2.2
o-Xylene	95-47-6	5.4	24	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: 7/31/07
Job Number: E07-06959
Date Received: 7/10/07
Date Analyzed: 7/24/07
Data File: 072409
Summa ID: 2890

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

	Sample Name:	SU-W0708		Reporting Limits	
	IAL ID:	E07-06959-03			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	9.9	24	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	1.2	2.4	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	1.8	7.6	0.50	2.2
4-Ethyltoluene	622-96-8	0.61	3.0	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	16	56	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	0.51	1.9	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	2.3	13	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6	0.83	4.1	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	7.4	32	0.50	2.2
o-Xylene	95-47-6	2.9	12	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: 7/31/07
Job Number: E07-06959
Date Received: 7/10/07
Date Analyzed: 7/24/07
Data File: 072410
Summa ID: 2898

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

	Sample Name:	SU-C0708		Reporting Limits	
	IAL ID:	E07-06959-04			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	9.5	23	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	1.2	2.5	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	1.0	4.4	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	1.1	3.3	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	14	49	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	1.7	9.7	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	4.8	21	0.50	2.2
o-Xylene	95-47-6	1.7	7.3	0.50	2.2

D = Extra dilution required for this compound

Analyst: J. Schmitt

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.: E07-06569
Date Received: 06/28/07

Sample#:
E07-06569-01, E07-06569-02, E07-06569-03, E07-06569-04

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

Summary of Results

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

Report Date: 7/25/2007
Job Number: E07-06959
Date Received: 7/10/2007
Date Analyzed: 7/24/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S0708
IAL ID: E07-06959-01

Data File: 072407
Canister ID 3040

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
3-Butenoic acid	625-38-7	36	6.9	24
Acetaldehyde	75-07-0	64	3.0	5.4
Butane	106-97-8	72	3.5	8.3
Butane, 2-methyl-	78-78-4	64	4.7	14
Pentane	109-66-0	72	1.3	3.8
Pentane, 2-methyl-	107-83-5	91	1.1	3.9

Sample Name: SU-G0708
IAL ID: E07-06959-02

Data File: 072408
Canister ID 2946

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane	106-97-8	5	2.0	4.7
Acetonitrile	75-05-8	42	30	50
Butane, 2-methyl-	78-78-4	59	24	71
Pentane	109-66-0	90	8.6	25
Furan, tetrahydro-	109-99-9	90	6.0	18
1R-.alpha. - Pinene	7785-70-8	94	1.2	67
Benzene, 1-ethyl-3-methyl-	620-14-4	95	1.1	5.4

Summary of Results

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

Report Date: 7/25/2007
Job Number: E07-06959
Date Received: 7/10/2007
Date Analyzed: 7/24/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0708
IAL ID: E07-06959-03

Data File: 072409
Canister ID 2890

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane	106-97-8	9	2.3	5.5
Acetonitrile	75-05-8	42	51	86
Cyclopropane, ethylidene	18631-83-9	91	3.1	8.6
Furan, tetrahydro-	109-99-9	90	6.0	18

Sample Name: SU-C0708
IAL ID: E07-06959-04

Data File: 072410
Canister ID 2898

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Hydroperoxide, 1-methylethyl	3031-75-2	9	2.4	7.5
Acetonitrile	75-05-8	42	51	86
1,3-Budadiene, 2-methyl-	78-79-5	91	2.4	6.7
Furan, tetrahydro-	109-99-9	83	4.5	13
Dec-2-en-1-ol	1000193-67-8	58	1.4	8.9

#9

Summary of Results

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

Report Date: 7/19/07
Job Number: E07-06959
Date Received: 7/10/07
Date Analyzed: 7/17/07

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

Sample Name:	S0708-01A		S0708-02A		S0708-03A		Reporting
IAL ID:	E07-06959-17		E07-06959-18		E07-06959-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	0.15	0.31	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:	G0708-01A		G0708-02A		G0708-03A		Reporting
IAL ID:	E07-06959-20		E07-06959-21		E07-06959-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.38	0.84	0.12	0.25	< 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: E07-06959

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

Sample Name:	W0708-01A		W0708-02A		W0708-03A		Reporting
IAL ID:	E07-06959-23		E07-06959-24		E07-06959-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	0.52	1.1	< 0.1	< 0.3	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Propionaldehyde	< 0.1	< 0.2	0.13	0.27	< 0.1	< 0.3	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Butyraldehyde	< 0.1	< 0.2	0.11	0.23	< 0.1	< 0.3	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.7	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.6	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.6	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1

Sample Name:	C0708-01A*		C0708-02A*		C0708-03A*		Reporting
IAL ID:	E07-06959-26		E07-06959-27		E07-06959-28		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	0.48	1.0	0.28	0.78	0.1
Acetaldehyde	0.24	0.52	0.48	1.0	0.33	0.91	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	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: E07-06959

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

Sample Name:	W0708-01A		W0708-02A		W0708-03A		Reporting
IAL ID:	E07-06959-23		E07-06959-24		E07-06959-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	0.52	1.1	< 0.1	< 0.3	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Propionaldehyde	< 0.1	< 0.2	0.13	0.27	< 0.1	< 0.3	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Butyraldehyde	< 0.1	< 0.2	0.11	0.23	< 0.1	< 0.3	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.7	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.6	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.6	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1

Sample Name:	C0708-01A*		C0708-02A*		C0708-03A*		Reporting
IAL ID:	E07-06959-26		E07-06959-27		E07-06959-28		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	0.48	1.0	0.28	0.78	0.1
Acetaldehyde	0.24	0.52	0.48	1.0	0.33	0.91	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1

Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Propionaldehyde	< 0.1	< 0.2	0.15	0.32	< 0.1	< 0.3	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.7	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.6	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.6	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1

*Denotes possible breakthrough from the front to the back of the sorbent tube for Acetaldehyde.

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: 07/23/07
Job Number: E07-06959
Date Received: 07/10/07
Date Analyzed: 07/19/07

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
S0708-01H	E07-06959-05	< 0.6	< 1.4	< 0.4	< 0.9
S0708-02H	E07-06959-06	< 0.6	< 1.3	< 0.4	< 0.8
S0708-03H	E07-06959-07	< 0.6	< 1.3	< 0.4	< 0.8
G0708-01H	E07-06959-08	< 0.6	< 1.4	< 0.4	< 0.9
G0708-02H	E07-06959-09	< 0.6	< 1.3	< 0.4	< 0.8
G0708-03H	E07-06959-10	< 0.6	< 1.3	< 0.4	< 0.8
W0708-01H	E07-06959-11	< 0.6	< 1.4	< 0.4	< 0.8
W0708-02H	E07-06959-12	< 0.6	< 1.3	< 0.4	< 0.8
W0708-03H	E07-06959-13	< 0.6	< 1.8	< 0.4	< 1.1
C0708-01H	E07-06959-14	< 0.6	< 1.4	< 0.4	< 0.8
C0708-02H	E07-06959-15	< 0.6	< 1.3	< 0.4	< 0.8
C0708-03H	E07-06959-16	< 0.6	< 1.8	< 0.4	< 1.1
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 #3

August 20, 2007

APPENDIX E

Laboratory Analytical Results from July 14/15, 2007

Integrated Analytical Laboratories LLC

Summary of Results

10

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

Report Date: 7/31/07
Job Number: E07-07262
Date Received: 7/17/07
Date Analyzed: 7/24/07
Data File: 072411
Summa ID: 3036A

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

	Sample Name:	SU-S0714		Reporting Limits	
	IAL ID:	E07-07262-01			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	5.7	14	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	1.0	2.2	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	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	1.4	6.1	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	1.4	4.8	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	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	11	49	0.50	2.2
o-Xylene	95-47-6	4.7	20	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: 7/31/07
Job Number: E07-07262
Date Received: 7/17/07
Date Analyzed: 7/24/07
Data File: 072412
Summa ID: 3030

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

	Sample Name:	SU-G0714		Reporting Limits	
	IAL ID:	E07-07262-02			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	7.8	19	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	0.62	1.9	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	0.91	3.1	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	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	1.3	5.4	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	0.65	1.9	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	21	74	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	0.91	5.1	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	5.4	24	0.50	2.2
o-Xylene	95-47-6	2.1	9.1	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: 7/31/07
Job Number: E07-07262
Date Received: 7/17/07
Date Analyzed: 7/24/07
Data File: 072413
Summa ID: 3130

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

	Sample Name:	SU-W0714		Reporting Limits	
	IAL ID:	E07-07262-03			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	5.0	12	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	2.2	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	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	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	2.9	9.9	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	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	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: 7/31/07
Job Number: E07-07262
Date Received: 7/17/07
Date Analyzed: 7/24/07
Data File: 072414
Summa ID: 3035A

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

	Sample Name:	SU-C0714		Reporting Limits	
	IAL ID:	E07-07262-04			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	5.6	13	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	1.3	2.6	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	ND	ND	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	1.5	4.5	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	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	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	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

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.: E07-07262
Date Received: 07/17/07

Sample#:
E07-07262-01, E07-07262-02, E07-07262-03, E07-07262-04

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

Samp

Summary of Results

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

Report Date:	7/25/2007
Job Number:	E07-07262
Date Received:	7/17/2007
Date Analyzed:	7/24/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S0714
IAL ID: E07-07262-01

Data File:	072411
Canister ID	3036A

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane	106-97-8	9	1.7	4.0
Acetonitrile	75-05-8	42	2.1	3.5

Sample Name: SU-G0714
IAL ID: E07-07262-02

Data File:	072412
Canister ID	3030

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane	106-97-8	9	1.6	3.8
Ethanol	64-17-5	86	1.7	3.2
Pentane	109-66-0	72	1.2	3.5
Pentadecane	629-62-9	45	1.8	16

Summary of Results

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

Report Date: 7/25/2007
Job Number: E07-07262
Date Received: 7/17/2007
Date Analyzed: 7/24/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0714
IAL ID: E07-07262-03

Data File: 072413
Canister ID 3130

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
No TICs detected				

Sample Name: SU-C0714
IAL ID: E07-07262-04

Data File: 072414
Canister ID 3035A

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Acetaldehyde	75-07-0	9	2.0	3.6
1-Hepten-4-ol	3521-91-3	9	1.4	6.5

#10

Summary of Results

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

Report Date: 7/26/07
Job Number: E07-07262
Date Received: 7/17/07
Date Analyzed: 7/24/07

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

Sample Name:	S0714-01A		S0714-02A		S0714-03A		Reporting
IAL ID:	E07-07262-17		E07-07262-18		E07-07262-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.12	0.27	0.40	0.84	< 0.1	< 0.3	0.1
Acetaldehyde	< 0.1	< 0.2	0.19	0.40	< 0.1	< 0.3	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Propionaldehyde	< 0.1	< 0.2	0.19	0.39	< 0.1	< 0.3	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Butyraldehyde	< 0.1	< 0.2	0.42	0.88	< 0.1	< 0.3	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.7	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.6	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.6	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.3	0.1

Sample Name:	G0714-01A		G0714-02A		G0714-03A		Reporting
IAL ID:	E07-07262-20		E07-07262-21		E07-07262-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.34	0.74	< 0.1	< 0.2	0.36	0.77	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	0.15	0.32	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	0.28	0.61	< 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: E07-07262

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

Sample Name:	W0714-01A		W0714-02A		W0714-03A		Reporting
IAL ID:	E07-07262-23		E07-07262-24		E07-07262-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.17	0.36	0.13	0.27	< 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:	C0714-01A		C0714-02A		C0714-03A		Reporting
IAL ID:	E07-07262-26		E07-07262-27		E07-07262-28		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	0.20	0.45	< 0.1	< 1.5	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 1.5	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 1.5	0.1

Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 1.5	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 1.5	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 1.5	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 1.5	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 1.5	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 9.0	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 3.0	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 3.0	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 1.5	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 1.5	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: 07/31/07
Job Number: E07-07262
Date Received: 07/17/07
Date Analyzed: 07/26/07

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
S0714-01H	E07-07262-05	< 0.6	< 1.4	1.3	2.8
S0714-02H	E07-07262-06	< 0.6	< 1.3	0.62	1.3
S0714-03H	E07-07262-07	< 0.6	< 1.8	11.0	31.1
G0714-01H	E07-07262-08	< 0.6	< 1.4	< 0.4	< 0.8
GS0714-02H	E07-07262-09	< 0.6	< 1.3	0.88	1.9
G0714-03H	E07-07262-10	< 0.6	< 1.3	0.52	1.1
W0714-01H	E07-07262-11	< 0.6	< 1.4	< 0.4	< 0.8
W0714-02H	E07-07262-12	< 0.6	< 1.3	0.46	1.0
W0714-03H	E07-07262-13	< 0.6	< 1.4	< 0.4	< 0.8
C0714-01H	E07-07262-14	< 0.6	< 1.4	< 0.4	< 0.8
C0714-02H*	E07-07262-15	< 0.6	< 1.4	0.57	1.3
C0714-03H	E07-07262-16	< 0.6	< 9.4	< 0.4	< 6
Reporting Limit		0.6		0.4	

*Denotes breakthrough from the front to the back of the sorbent tube for 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 #3

August 20, 2007

APPENDIX F

Laboratory Analytical Results from July 20/21, 2007

Integrated Analytical Laboratories LLC

Summary of Results

#11

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

Report Date: 7/31/07
Job Number: E07-07540
Date Received: 7/27/07
Date Analyzed: 7/25/07, 7/30/07
Data File: 072505, 073001
Summa ID: 2164

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

	Sample Name:		SU-S0720		Reporting Limits	
	IAL ID:		E07-07540-01			
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		0.52	1.6	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		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		1.5	6.3	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	D	108	376	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		0.75	2.8	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		1.7	9.6	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6		0.56	2.8	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		6.2	27	0.50	2.2
o-Xylene	95-47-6		2.5	11	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: 7/31/07
Job Number: E07-07540
Date Received: 7/27/07
Date Analyzed: 7/25/07
Data File: 072506
Summa ID: 2040

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

	Sample Name:	SU-G0720		Reporting Limits	
	IAL ID:	E07-07540-02			
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	1.0	2.2	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	3.4	15	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	0.79	2.7	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	ND	ND	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6	1.7	8.3	0.50	2.5
1,3,5-Trimethylbenzene	108-67-8	0.66	3.2	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	17	72	0.50	2.2
o-Xylene	95-47-6	7.2	31	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: 7/31/07
Job Number: E07-07540
Date Received: 7/27/07
Date Analyzed: 7/25/07
Data File: 072507
Summa ID: 3012

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

	Sample Name:	SU-W0720		Reporting Limits	
	IAL ID:	E07-07540-03			
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	0.97	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	0.54	2.7	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	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	0.53	1.6	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	1.8	6.2	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	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	4.7	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: 7/31/07
Job Number: E07-07540
Date Received: 7/27/07
Date Analyzed: 7/25/07
Data File: 072508
Summa ID: 3049A

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

	Sample Name:	SU-C0720		Reporting Limits	
	IAL ID:	E07-07540-04			
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	1.0	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	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	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	2.9	9.9	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	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	2.0	8.8	0.50	2.2
o-Xylene	95-47-6	0.80	3.5	0.50	2.2

D = Extra dilution required for this compound

Analyst: J. Schmitt

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.: E07-07540
Date Received: 07/27/07

Sample#:
E07-07540-01, E07-07540-02, E07-07540-03, E07-07540-04

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

Summary of Results

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

Report Date: 7/25/2007
Job Number: E07-07540
Date Received: 7/17/2007
Date Analyzed: 7/24/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S0720
IAL ID: E07-07540-01

Data File: 072505
Canister ID 2164

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Isobutane	75-28-5	43	1.4	3.3
Butane	106-97-8	9	2.6	6.2
Acetonitrile	75-05-8	42	2.7	4.5
Pentane	109-66-0	90	2.1	6.2
Hexanal	66-25-1	90	1.4	5.7

Sample Name: SU-G0720
IAL ID: E07-07540-02

Data File: 072506
Canister ID 2040

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
1-Hepten-4-ol	3521-91-3	9	1.3	6.1
Ethylene oxide	627-07-6	3	1.4	2.5
Butane, 2-methyl-	78-78-4	43	2.0	5.9
Benzene, 1-ethyl-2-methyl-	611-14-3	94	1.1	5.4

Summary of Results

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

Report Date: 7/25/2007
Job Number: E07-07540
Date Received: 7/17/2007
Date Analyzed: 7/24/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0720
IAL ID: E07-07540-03

Data File: 072507
Canister ID 3012

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane	106-97-8	5	1.8	4.3
Pentane	109-66-0	32	2.2	6.5
1-Hexanol, 2-ethyl-	104-76-7	64	1.0	5.3

Sample Name: SU-C0720
IAL ID: E07-07540-04

Data File: 072508
Canister ID 3049A

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane, 2-methyl-	78-78-4	38	2.2	6.5
Nonanal	124-19-6	86	1.6	9.3

#11

Summary of Results

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

Report Date: 8/06/07
Job Number: E07-07540
Date Received: 7/24/07
Date Analyzed: 7/31/07

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

Sample Name:	S0720-01H		S0720-02H		S0720-03H		Reporting Limits
IAL ID:	E07-07540-17		E07-07540-18		E07-07540-19		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.14	0.43	0.22	0.48	< 0.1	< 0.2	0.1
Acetaldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.8	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.6	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.6	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.3	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	G0720-01H		G0720-02H		G0720-03H		Reporting Limits
IAL ID:	E07-07540-20		E07-07540-21		E07-07540-22		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.19	0.41	0.22	0.49	< 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: E07-07540

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

Sample Name:	W0720-01H		W0720-02H		W0720-03H		Reporting
IAL ID:	E07-07540-23		E07-07540-24		E07-07540-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	0.22	0.48	0.12	0.26	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:	C0720-01H		C0720-02H		C0720-03H		Reporting
IAL ID:	E07-07540-26		E07-07540-27		E07-07540-28		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	0.32	0.70	< 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: 08/02/07
Job Number: E07-07540
Date Received: 07/24/07
Date Analyzed: 08/02/07

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
S0720-01H	E07-07540-05	< 0.6	< 1.9	< 0.4	< 1.2
S0720-02H*	E07-07540-06	< 0.6	< 1.4	8.1	18
S0720-03H	E07-07540-07	< 0.6	< 1.3	1.1	2.3
G0720-01H	E07-07540-08	< 0.6	< 1.3	< 0.4	< 0.8
G0720-02H	E07-07540-09	< 0.6	< 1.4	< 0.4	< 0.9
G0720-03H	E07-07540-10	< 0.6	< 1.4	< 0.4	< 0.8
W0720-01H	E07-07540-11	< 0.6	< 1.3	0.57	1.2
W0720-02H	E07-07540-12	< 0.6	< 1.4	< 0.4	< 0.8
W0720-03H	E07-07540-13	< 0.6	< 1.4	< 0.4	< 0.8
C0720-01H	E07-07540-14	< 0.6	< 1.3	0.47	1.0
C0720-02H	E07-07540-15	< 0.6	< 1.4	1.3	2.8
C0720-03H	E07-07540-16	< 0.6	< 1.4	0.67	1.5
Reporting Limit		0.6		0.4	

*Denotes breakthrough from front to back of sorbent tube for Hydrogen Chloride.
For this same sample, the amount of Chloride found on the back half of the sorbent tube was significantly greater than that found on the front half.

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 #3

August 20, 2007

APPENDIX G

Laboratory Analytical Results from July 26/27, 2007

Integrated Analytical Laboratories LLC

Summary of Results

#12

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

Report Date: 8/9/07
Job Number: E07-07856
Date Received: 7/31/07
Date Analyzed: 8/1/07
Data File: 080103
Summa ID: 3026

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

	Sample Name:	S0726		Reporting Limits	
	IAL ID:	E07-07856-01			
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	2.6	5.5	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	0.85	4.2	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	2.8	12	0.50	2.2
4-Ethyltoluene	622-96-8	1.2	5.9	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	0.74	2.6	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	1.2	3.5	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	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	0.61	2.3	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	1.2	6.1	0.50	2.5
1,3,5-Trimethylbenzene	108-67-8	0.57	2.8	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	14	59	0.50	2.2
o-Xylene	95-47-6	6.7	29	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: 8/9/07
Job Number: E07-07856
Date Received: 7/31/07
Date Analyzed: 8/1/07
Data File: 080104
Summa ID: 2036

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

	Sample Name:	G0726		Reporting Limits	
	IAL ID:	E07-07856-02			
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	2.9	6.1	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	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	0.79	3.9	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	0.92	4.0	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	0.56	2.0	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	1.4	4.2	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	1.9	6.5	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	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	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	4.6	20	0.50	2.2
o-Xylene	95-47-6	1.8	8.0	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: 8/9/07
Job Number: E07-07856
Date Received: 7/31/07
Date Analyzed: 8/3/07
Data File: 080218
Summa ID: 3002

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

	Sample Name:	W0726		Reporting Limits	
	IAL ID:	E07-07856-03			
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	0.95	2.9	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	1.6	3.3	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	2.3	10.0	0.50	2.2
4-Ethyltoluene	622-96-8	1.0	5.0	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	6.3	19	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	2.9	10	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	ND	ND	0.50	2.8
1,2,4-Trimethylbenzene	95-63-6	1.3	6.2	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	11	46	0.50	2.2
o-Xylene	95-47-6	4.4	19	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: 8/9/07
Job Number: E07-07856
Date Received: 7/31/07
Date Analyzed: 8/1/07
Data File: 080106
Summa ID: 3038

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

	Sample Name:	C0726		Reporting Limits	
	IAL ID:	E07-07856-04			
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	2.3	4.8	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	0.54	2.7	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	0.72	3.1	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	0.60	2.1	0.50	1.8
Isopropyl alcohol	67-63-0	ND	ND	0.50	1.2
Methyl ethyl ketone	78-93-3	1.5	4.4	0.50	1.5
Methyl isobutyl ketone	108-10-1	ND	ND	0.50	2.1
Methylene chloride	75-09-2	12	41	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	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	3.7	16	0.50	2.2
o-Xylene	95-47-6	1.5	6.5	0.50	2.2

D = Extra dilution required for this compound

Analyst: J. Schmitt

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.: E07-07856
Date Received: 07/31/07

Sample#:
E07-07856-01, E07-07856-02, E07-07856-03, E07-07856-04

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

Summary of Results

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

Report Date: 8/3/2007
Job Number: E07-07856
Date Received: 7/31/2007
Date Analyzed: 8/1/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-S0726
IAL ID: E07-07856-01

Data File: 080103
Canister ID 3026

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Propane	74-98-6	42	8.1	15
Acetaldehyde	75-07-0	9	3.3	5.9
Butane	106-97-8	50	4.7	11
Acetonitrile	75-05-8	45	27	45
Butane, 2-methyl-	78-78-4	47	14	41
Pentane	109-66-0	90	4.0	12

Sample Name: SU-G0726
IAL ID: E07-07856-02

Data File: 080104
Canister ID 2036

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane	106-97-8	72	4.0	9.5
Acetonitrile	75-05-8	50	78	131
Benzene, 1-ethyl-2-methyl-	611-14-3	86	1.0	4.9

Summary of Results

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

Report Date: 8/3/2007
Job Number: E07-07856
Date Received: 7/31/2007
Date Analyzed: 8/1/2007

Analysis: Tentatively Identified Compounds by Library Search

Sample Name: SU-W0726
IAL ID: E07-07856-03

Data File: 080218
Canister ID 3002

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Acetaldehyde	75-07-0	64	8.9	16
Butane	106-97-8	72	4.4	10
Acetonitrile	75-05-8	4	358	600
Pentane, 2-methyl-	107-83-5	47	3.7	13
Cyclotrisiloxane, hexamethyl-	541-05-9	87	4.7	43

Sample Name: SU-C0726
IAL ID: E07-07856-04

Data File: 080106
Canister ID 3038

Chemical Name	CAS Number	Qual %	Estimated in ppb	Estimated in µg/m3
Butane	106-97-8	64	5.4	13
Acetonitrile	75-05-8	45	59	99

#12

Summary of Results

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

Report Date: 8/13/07
Job Number: E07-07856
Date Received: 7/31/07
Date Analyzed: 8/7/07

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

Sample Name:	S0726-01H		S0726-02H		S0726-03H		Reporting
IAL ID:	E07-07856-17		E07-07856-18		E07-07856-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.40	0.89	0.52	1.1	0.16	0.38	0.1
Acetaldehyde	0.13	0.29	< 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	< 1.2	< 0.6	< 1.4	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.5	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.5	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:	G0726-01H		G0726-02H		G0726-03H		Reporting
IAL ID:	E07-07856-20		E07-07856-21		E07-07856-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.36	0.77	1.1	2.2	< 0.1	< 0.2	0.1
Acetaldehyde	< 0.1	< 0.2	0.17	0.36	< 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: E07-07856

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

Sample Name:	W0726-01H		W0726-02H		W0726-03H*		Reporting
IAL ID:	E07-07856-23		E07-07856-24		E07-07856-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	0.40	0.88	0.1
Acetaldehyde	< 0.1	< 0.2	0.13	0.28	< 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:	C0726-01H		C0726-02H		C0726-03H		Reporting
IAL ID:	E07-07856-26		E07-07856-27		E07-07856-28		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	< 1.2	< 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

*Denotes breakthrough from front to back of sorbent tube for Formaldehyde.

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: 08/09/07
Job Number: E07-07856
Date Received: 07/31/07
Date Analyzed: 08/09/07

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
S0726-01H	E07-07856-05	< 0.6	< 1.4	< 0.4	< 0.9
S0726-02H*	E07-07856-06	< 0.6	< 1.3	0.68	1.4
S0726-03H*	E07-07856-07	< 0.6	< 1.5	2.3	5.4
G0726-01H	E07-07856-08	< 0.6	< 1.3	0.57	1.2
G0726-02H	E07-07856-09	< 0.6	< 1.3	< 0.4	< 0.8
G0726-03H*	E07-07856-10	1.2	2.6	10	23
W0726-01H	E07-07856-11	< 0.6	< 1.3	< 0.4	< 0.8
W0726-02H	E07-07856-12	< 0.6	< 1.3	5.4	11
W0726-03H*	E07-07856-13	< 0.6	< 1.4	9.7	22
C0726-01H	E07-07856-14	< 0.6	< 1.4	1.2	2.7
C0726-02H*	E07-07856-15	< 0.6	< 1.3	2.7	5.6
C0726-03H*	E07-07856-16	< 0.6	< 1.4	2.9	6.5
Reporting Limit		0.6		0.4	

*Denotes breakthrough from front to back of sorbent tube for Hydrogen Chloride.
For Samples E07-07856-06, -07, 13, and -15 there was significantly more Chloride found on the back half than on the front half of the sorbent tube.

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