Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #30
November 20, 2009

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

Republic Services of Ohio II, LLC
Countywide Recycling & Disposal Facility
3619 Gracemont Street SW
East Sparta, Ohio 44262

Prepared by:

Lawhon & Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #30

Monitoring Events #142 through #146
November 20, 2009

TABLE OF CONTENTS

1.0 INTRODUCTION	**1**
1.1 Current Activities	**1**
1.2 Background	**1**
2.0 AMBIENT CONDITIONS	**3**
3.0 ANALYTICAL RESULTS	**5**
3.1 Volatile Organic Compounds	**5**
3.2 Sulfur Compounds	**7**
3.3 Aldehydes	**7**
3.4 Hydrogen Chloride and Hydrogen Fluoride	**9**
4.0 SUMMARY	**10**
4.1 Volatile Organic Compounds	**10**
4.2 Aldehydes	**11**
4.3 Hydrogen Chloride and Hydrogen Fluoride	**12**
4.4 Laboratory Issues	**12**
4.5 Conclusions	**12**

LIST OF TABLES

Table 1. Event #142: VOCs Above PRGs: September 19 to September 20, 2009
Table 2. Event #143: VOCs Above PRGs: September 25 to September 26, 2009
Table 3. Event #144: VOCs Above PRGs: October 1 to October 2, 2009
Table 4. Event #145: VOCs Above PRGs: October 7 to October 8, 2009
Table 5. Event #146: VOCs Above PRGs: October 13 to October 14, 2009

Table 6. Event #142: Aldehydes: September 19 to September 20, 2009
Table 7. Event #143: Aldehydes: September 25 to September 26, 2009
Table 8. Event #144: Aldehydes: October 1 to October 2, 2009
Table 9. Event #145: Aldehydes: October 7 to October 8, 2009
Table 10. Event #146: Aldehydes: October 13 to October 14, 2009

Table 11. Event #142: HF & HCL: September 19 to September 20, 2009
Table 12. Event #143: HF & HCL: September 25 to September 26, 2009
Table 13. Event #144: HF & HCL: October 1 to October 2, 2009
Table 14. Event #145: HF & HCL: October 7 to October 8, 2009
Table 15. Event #146: HF & HCL: October 13 to October 14, 2009

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #30
November 20, 2009
Monitoring Events #142 through #146

1.0 INTRODUCTION

1.1 Current Activities

As described in Section 1.2 below, 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 Community Monitoring Events.

Event #142: Saturday, September 19 to Sunday, September 20, 2009
Event #143: Friday, September 25 to Saturday, September 26, 2007
Event #144: Thursday, October 1 to Friday, October 2, 2009
Event #145: Wednesday, October 7 to Thursday, October 8, 2009
Event #146: Tuesday, October 13 to Wednesday, October 14, 2009

Previous Monthly Reports describe modifications that have been made to the sampling apparatus and sampling protocol to minimize/eliminate sources of variability. No other modifications have been made to the system during the time period reflected in this Monthly Report.

1.2 Background

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

VOCs were analyzed by TestAmerica Inc., 5815 Middlebrook Pike, Knoxville, TN 37921. The analyses for aldehydes (EPA Method TO-11A) and hydrogen fluoride/ hydrogen chloride (NIOSH Method 7903) were performed by TestAmerica Inc. Phoenix, 4625 E. Cotton Center Blvd, Suite 189, Phoenix, AZ 85040. Prior to April 2009, analyses for aldehydes and hydrogen fluoride/hydrogen chloride were performed by Integrated Analytical Laboratory (IAL), Randolph, NJ.

In order to identify conditions that may be of concern, results from the community monitoring are compared to conservative risk-based concentrations for compounds in air in non-occupational settings. The most conservative (lowest) comparison is the USEPA

Region 9 Preliminary Remediation Goals (PRGs). Where available, we have compared the results to the Agency for Toxic Substances and Disease Registry (ATSDR) Minimal Risk Levels (MRLs). In addition, the USEPA has recently published Sample Screening Levels for Hazardous Air Pollutants (HAPs) in conjunction with the School Air Toxics Monitoring Initiative. The differences between these screening levels are briefly discussed below.

Region 9 PRG: The USEPA Region 9 PRG is the concentration of a compound in the ambient air that is estimated to be without significant risk to a person who would breathe that level of compound continuously over many decades. The Region 9 PRGs are derived using conservative mathematical formulas and **do not** represent the level of a compound in the air (or other environmental media) where health effects are likely to occur. Region 9 PRGs are generally accepted as extremely conservative screening values such that even over a lifetime of exposure, if the concentration of a compound 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.

Many of the compounds that are 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 (0.25 ug/m^3) is lower than the laboratory reporting limit (0.64 ug/m^3) and 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 compounds in ambient air at levels above PRGs is not uncommon and may simply reflect fluctuations in background sources. Additionally, not all of the compounds found in the air samples have corresponding PRGs.

ATSDR MRLs: Analytical results are also compared to the ATSDR Acute and Chronic Minimal Risk Levels (MRLs), where available. An MRL is an estimate of the daily human exposure to a hazardous substance that is likely to be without appreciable risk of adverse health effects over a specified duration of exposure. Acute MRLs are considered protective for short-term exposures (up to 14 consecutive days of exposure). PRGs and MRLs are useful screening levels that assist risk assessors in identifying those compounds that may pose a health concern.

USEPA Air Toxics Screening Levels: In 2009, in conjunction with the School Air Toxics Monitoring Initiative, USEPA has recently developed Individual Sample Screening Levels for HAPs to support their evaluation of air toxics. The Individual Sample Screening Levels were derived from several sources including (in order of preference): ATSDR Acute MRLs, ATSDR Intermediate or Chronic MRLs, IRIS Chronic Reference Concentrations (RfCs) and USEPA Office of Air Quality Planning and Standards (OAQPS) Inhalation Unit Risk Factors (IURs). The individual sample screening levels represent short-term (or intermediate) duration inhalation exposure estimates that are unlikely to be associated with appreciable risk of adverse health effects for continuously exposed populations (including sensitive groups). (*Schools Air Toxics*

Monitoring Activity, Uses of Health Effects Information in Evaluating Sample Results 9/10/09, http://www.epa.gov/schoolair/pdfs/UsesOfHealthEffectsInfoinEvalSampleResults.pdf).

Neither PRGs, nor MRLs, nor Individual Sample Screening Levels represent levels of exposure which have been documented to cause actual health effects. Although the duration of exposure considered to be "short-term" is not expressly described, the use of Acute MRLs in the development of these screening levels suggests that a 14-day exposure duration is appropriate.

For this report, most of the compounds that were either not detected or detected at levels below PRGs, MRLs, or Individual Screening Levels (ISLs) will not be discussed unless those particular results help to explain other findings.

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 Akron-Canton Regional Airport (KCAK).

Event #142: Saturday, September 19 to Sunday, September 20, 2009

September 19:

Average temperature: 60 ^{o}F; Max. Temp: 71 ^{o}F; Min. Temp: 48 ^{o}F.
Average relative humidity: 65%.
Precipitation: 0.0 inches.
Average Wind Speed: 7 mph; Max speed: 13 mph; Max Gust Speed: 16 mph.
Prevailing Wind Direction: ENE.

September 20:

Average temperature: 64 ^{o}F; Max. Temp: 79 ^{o}F; Min. Temp: 48 ^{o}F.
Average relative humidity: 75%.
Precipitation: 0.1 inches.
Average Wind Speed: 8 mph; Max speed: 18 mph; Max Gust Speed: 23 mph.
Prevailing Wind Direction: ENE switching to S.

Event #143: Friday, September 25 to Saturday, September 26, 2007

September 25:

Average temperature: 63 ^{o}F; Max. Temp: 69 ^{o}F; Min. Temp: 57 ^{o}F.
Average relative humidity: 68%.
Precipitation: 0.0 inches.
Average Wind Speed: 8 mph; Max speed: 15 mph; Max Gust Speed: 20 mph.
Prevailing Wind Direction: E.

September 26:

Average temperature: 62 ^{o}F; Max. Temp: 63 ^{o}F; Min. Temp: 60 ^{o}F.

Average relative humidity: 86%.
Precipitation: 0.56 inches.
Average Wind Speed: 10 mph; Max speed: 16 mph; Max Gust Speed: 22 mph.
Prevailing Wind Direction: S.

Event #144 Thursday, October 1 to Friday, October 2, 2009

October 1:

Average temperature: 47 ^{o}F; Max. Temp: 58 ^{o}F; Min. Temp: 35 ^{o}F.
Average relative humidity: 70%.
Precipitation: 0.0 inches.
Average Wind Speed: 5 mph; Max speed: 13 mph; Max Gust Speed: 17 mph.
Prevailing Wind Direction: SW switching to SE.

October 2:

Average temperature: 55 ^{o}F; Max. Temp: 60 ^{o}F; Min. Temp: 49 ^{o}F.
Average relative humidity: 86%.
Precipitation: 0.79 inches.
Average Wind Speed: 10 mph; Max speed: 20 mph; Max Gust Speed: 26 mph.
Prevailing Wind Direction: SE switching to SW.

Event #145: Wednesday, October 7 to Thursday, October 8, 2009

October 7:

Average temperature: 51 ^{o}F; Max. Temp: 61 ^{o}F; Min. Temp: 41 ^{o}F.
Average relative humidity: 72%.
Precipitation: 0.06 inches.
Average Wind Speed: 15 mph; Max speed: 33 mph; Max Gust Speed: 40 mph.
Prevailing Wind Direction: SE switching to W.

October 8:

Average temperature: 47 ^{o}F; Max. Temp: 56 ^{o}F; Min. Temp: 38 ^{o}F.
Average relative humidity: 77%.
Precipitation: 0.05 inches.
Average Wind Speed: 8 mph; Max speed: 20 mph; Max Gust Speed: 24 mph.
Prevailing Wind Direction: S.

Event #146: Tuesday, October 13 to Wednesday, October 14, 2009

October 13:

Average temperature: 44 ^{o}F; Max. Temp: 53 ^{o}F; Min. Temp: 35 ^{o}F.
Average relative humidity: 76%.
Precipitation: 0.0 inches.
Average Wind Speed: 7 mph; Max speed: 21 mph; Max Gust Speed: 26 mph.
Prevailing Wind Direction: N.

October 14:

Average temperature: 38 ^{o}F; Max. Temp: 42 ^{o}F; Min. Temp: 34 ^{o}F.
Average relative humidity: 83%.
Precipitation: 0.02 inches.
Average Wind Speed: 7 mph; Max speed: 13 mph; Max Gust Speed: 17 mph.
Prevailing Wind Direction: N switching to E.

3.0 ANALYTICAL RESULTS

The laboratory analyzed the air samples for an extensive number of compounds in accordance with the approved work plan. Only those results that exceed Region 9 PRGs will be discussed in the body of this report (see Section 1.0). Other compounds may have been detected in a sample, but were quantified at concentrations below the respective PRG. Analytical results from the laboratory are provided in the Appendices.

Based on the meteorology during the sample program, L&A designated the prevailing wind direction for each monitoring station relative to the landfill as:

C: Crosswind
D: Downwind
U: Upwind
V: Variable

Wind direction is indicated for the first and second days of the regularly scheduled monitoring event separated by a right slash ("/").

3.1 Volatile Organic Compounds

Compounds detected by Method TO-15 modified (TO-15m) are summarized in Tables 1 through 5. TO-15m analyzes air samples collected over a 24-hour period in a SUMMA® canister. In addition to a "standard analyte" list of 58 compounds, the laboratory tentatively identifies and estimates the concentration of numerous compounds that are not on the "standard analyte" list. These Tentatively Identified Compounds (TICs) include, potentially thousands of compounds. All of the TO-15m analyses presented in this monthly report were performed by TestAmerica Inc., Knoxville, TN. Laboratory data reports are provided in the Appendices. The QA/QC packages from Test America are not included in the Appendices because of their large size but can be made available upon request.

Of the VOCs only benzene and carbon tetrachloride are routinely detected above their respective PRGs; their analytical results are presented in Tables 1 through 5, below. For the analyses governed by this report, chloroform levels also sporadically exceeded the PRG's. ***However, none of the concentrations of any of the detected VOC analytes exceeded their respective Acute/Chronic MRL or the HAP Individual Sample Screening Levels.***

The prevailing wind direction for each monitoring station relative to the landfill had no apparent effect on the chloroform detection, which suggests sources other than the landfill. All concentrations of chloroform were well below the ATSDR Acute MRL (488 ug/m^3), the Chronic MRL (98 ug/m^3), and the HAP Individual Sample Screening Level (500 ug/m3). L&A's review determined that the landfill was not the source of this constituent. Nevertheless, this compound will be monitored in future events to identify any emerging trends. The concentrations of persistently present VOCs (benzene and carbon tetrachloride) are presented in Tables 1 through 5.

Table 1: VOCs Detected Above PRGs
Event #142: Saturday, September 19 to Sunday, September 20, 2009[1,2]

Compound	Acute MRL	Chronic MRL	PRG	HAP ISL	School	Cell Tower	Camp-ground	Wetland Co-located	
				Prevailing wind direction	D/D	D/D	C/C	U/U	
Benzene	29	10	**0.25**	**30**	**1.1J[3,4]**	**0.83**	**0.76**	**0.71**	**0.65**
Carbon tetrachloride	188	188	**0.13**	**200**	**0.53J**	**0.56J**	**0.47J**	**0.49J**	**0.68J**

1. All units are in (ug/m^3)
2. Laboratory Analytical Results are in Appendix A
3. Bold indicates result exceeded Region 9 PRG
4. J = Laboratory Data Qualifier: Estimated concentration below laboratory reporting limit

Table 2: VOCs Detected Above PRGs
Event #143: Friday, September 25 to Saturday, September 26, 2009[1,2]

Compound	Acute MRL	Chronic MRL	PRG	HAP ISL	School	Cell Tower Co-located		Camp-ground	Wetland
				Prevailing wind direction	C/C	C/C		C/U	U/C
Benzene	29	10	**0.25**	**30**	**0.88[3]**	**0.59J[4]**	**0.54J**	**0.58J**	**0.54J**
Carbon tetrachloride	188	188	**0.13**	**200**	**0.58J**	**0.63J**	**0.64J**	**0.61J**	**0.57J**

1. All units are in (ug/m^3)
2. Laboratory Analytical Results are in Appendix B
3. Bold indicates result exceeded Region 9 PRG
4. J = Laboratory Data Qualifier: Estimated concentration below laboratory reporting limit

Table 3: VOCs Detected Above PRGs
Event #144: Thursday, October 1 to Friday, October 2, 2009[1,2]

Compound	Acute MRL	Chronic MRL	PRG	HAP ISL	School Co-located		Cell Tower	Camp ground	Wetland
				Prevailing wind direction	V		V	V	V
Benzene	29	10	**0.25**	**30**	**0.69[3]**	**0.79**	**0.65**	**0.48J[4]**	**0.67**
Carbon tetrachloride	188	188	**0.13**	**200**	**0.81J**	**0.81J**	**0.70J**	**1.0J**	**0.76J**

1. All units are in (ug/m^3)
2. Laboratory Analytical Results are in Appendix C
3. Bold indicates result exceeded Region 9 PRG
4. J = Laboratory Data Qualifier: Estimated concentration below laboratory reporting limit

Table 4: VOCs Detected Above PRGs
Event #145: Wednesday, October 7 to Thursday, October 8, 2009[1,2]

Compound	Acute MRL	Chronic MRL	PRG	HAP ISL	School	Cell Tower	Campground Co-located		Wetland
				Prevailing wind direction	V/C	V/C	C/U		V/C
Benzene	29	10	**0.25**	**30**	**0.49J[3,4]**	**0.44J**	**0.61J**	**0.60J**	**0.45J**
Carbon tetrachloride	188	188	**0.13**	**200**	**0.81J**	**1.0J**	**0.70J**	**0.87J**	**0.83J**

1. All units are in (ug/m^3)
2. Laboratory Analytical Results are in Appendix D
3. Bold indicates result exceeded Region 9 PRG
4. J = Laboratory Data Qualifier: Estimated concentration below laboratory reporting limit

Table 5: VOCs Detected Above PRGs
Event #146: Tuesday, October 13 to Wednesday, October 14, 2009[1,2]

Compound	Acute MRL	Chronic MRL	PRG	HAP ISL	School	Cell Tower	Camp-ground	Wetland Co-located	
				Prevailing wind direction	V/C	V/C	C/U	V/C	
Benzene	29	10	**0.25**	**30**	**0.98[3]**	**0.74**	**1.5**	**0.65**	**0.72**
Carbon tetrachloride	188	188	**0.13**	**200**	**0.58J[4]**	**0.55J**	**0.61J**	**0.62J**	**0.61J**

1. All units are in (ug/m^3)
2. Laboratory Analytical Results are in Appendix A
3. Bold indicates result exceeded Region 9 PRG
4. J = Laboratory Data Qualifier: Estimated concentration below laboratory reporting limit

3.2 Sulfur Compounds

Carbon disulfide was the only sulfur compound detected during the five sampling events reviewed in this report for which Method TO-15m was performed. When detected, the concentrations of carbon disulfide were extremely low and well below the Region 9 PRG. All detections are included on the TO-15m Summary Tables.

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 8-hours each. Consequently, there are three separate sample results for each location for each monitoring event. These three sample results can then be combined to calculate a 24-hour average concentration. Analyses for aldehydes and ketones by method TO-11a were conducted by TestAmerica Inc., Phoenix Arizona.

Although Method TO-11a analyzes for a number of carbonyl compounds, formaldehyde and acetaldehyde are most frequently detected and are the aldehyde compounds of greatest potential concern from a public health standpoint. In addition to formaldehyde and acetaldehyde, several carbonyl compounds were occasionally detected in the samples summarized in this Monthly Report #30. The results for these compounds are included on the laboratory reporting sheets found in the Appendices. Only results for formaldehyde and acetaldehyde are summarized in the tables below.

During sampling Events #144 (October 1st to October 2nd) and #145 (October 7th to October 8th), the sampling pumps failed to complete the sampling cycle at the Campground and Cell Tower locations, respectively. Therefore, sampling times could not be determined and subsequently the samples were not sent for analysis.

Table 6: Aldehydes

Event #142: Saturday, September 19 to Sunday, September 20, 2009[1,2]

Aldehyde	HAP ISL	Acute MRL[2]	Chr. MRL[2]	PRG	School			Cell Tower			Campground			Wetland		
Prevailing wind direction					D/D			D/D			C/C			U/U		
					1	2	3	1	2	3	1	2	3	1	2	3
Acetaldehyde	90	NA[3]	NA	**0.87**	**54.1[4]**	**6.6**	**19.2**	**37.9**	**9.8**	**22.6**	**41.4**	**11.9**	**31.2**	**27.5**	**5.5**	**24.1**
Formaldehyde	50	50	10	**0.15**	**14.0[5]**	**2.4**	**6.9**	**11.1**	**4.1**	**5.9**	**14.4**	**5.0**	**11.2**	**9.7**	**2.5***	**9.5**

1. All units are in (ug/m$^{3)}$
2. ATSDR Minimal Risk Levels (MRL) (ATSDR Toxicological Profile for Formaldehyde, July 1999) - Acute MRL 0.04 ppm = 50 ug/m^3; Chronic MRL 0.008 ppm=10 ug/m^3
3. NA= Not available
4. Bold indicates concentration exceeded Region 9 PRG
5. Shading indicates concentration exceeded Chronic MRL ***value***

* Indicates possible break-through from front to back of sorbent tube.

Table 7: Aldehydes
Event #143: Friday, September 25 to Saturday, September 26, 2009[1,2]

Aldehyde	HAP ISL	Acute MRL[2]	Chr. MRL[2]	PRG	School			Cell Tower			Campground			Wetland		
Prevailing wind direction					C/C			C/C			C/U			U/C		
					1	2	3	1	2	3	1	2	3	1	2	3
Acetaldehyde	90	NA[3]	NA	**0.87**	**13.8[4]**	**4.5**	**6.0**	**10.6**	**5.6**	**3.7**	**15.9**	**9.6**	**6.6**	**8.8**	**3.9**	**4.5**
Formaldehyde	50	50	10	**0.15**	**8.2**	**4.1**	**5.2**	**6.7**	**4.5**	**2.4***	**10.5[5]**	**7.2**	**4.9**	**4.6**	**3.3**	**3.3**

1. All units are in (ug/m$^{3)}$
2. ATSDR Minimal Risk Levels (MRL) (ATSDR Toxicological Profile for Formaldehyde, July 1999) - Acute MRL 0.04 ppm = 50 ug/m^3; Chronic MRL 0.008 ppm=10 ug/m^3
3. NA= Not available
4. Bold indicates concentration exceeded Region 9 PRG
5. Shading indicates concentration exceeded Chronic MRL ***value***

* Indicates possible break-through from front to back of sorbent tube.

Table 8: Aldehydes
Event #144: Thursday, October 1 to Friday, October 2, 2009[1,2]

Aldehyde	HAP ISL	Acute MRL[2]	Chr. MRL[2]	PRG	School			Cell Tower			Campground			Wetland		
Prevailing wind direction					V			V			V			V		
					1	2	3	1	2	3	1	2	3	1	2	3
Acetaldehyde	90	NA[3]	NA	**0.87**	**12.2[4]**	**4.5**	**5.8**	**17.4**	**6.5**	**5.7**	NS[5]	NS	NS	**14.1**	**5.1**	**6.8**
Formaldehyde	50	50	10	**0.15**	**5.6**	**2.8**	**3.5**	**6.6**	**3.6***	**2.9**	NS	NS	NS	**6.6**	**3.0***	**4.4**

1. All units are in (ug/m$^{3)}$
2. ATSDR Minimal Risk Levels (MRL) (ATSDR Toxicological Profile for Formaldehyde, July 1999) - Acute MRL 0.04 ppm = 50 ug/m^3; Chronic MRL 0.008 ppm=10 ug/m^3
3. NA= Not available
4. Bold indicates concentration exceeded Region 9 PRG
5. Shading indicates concentration exceeded Chronic MRL ***value***

* Indicates possible break-through from front to back of sorbent tube.

Table 9: Aldehydes
Event #145: Wednesday, October 7 to Thursday, October 8, 2009[1,2]

Aldehyde	HAP ISL	Acute MRL[2]	Chr. MRL[2]	PRG	School			Cell Tower			Campground			Wetland		
Prevailing wind direction					V/C			V/C			C/U			V/C		
					1	2	3	1	2	3	1	2	3	1	2	3
Acetaldehyde	90	NA[3]	NA	**0.87**	**7.6**	**1.5**	**7.5**	NS[5]	NS	NS	**9.2**	**3.0**	**10.1**	**6.1**	**1.6***	**6.5**
Formaldehyde	50	50	10	**0.15**	**4.9**	**1.4**	**4.1**	NS	NS	NS	**5.9**	**3.1***	**5.3**	**3.9**	**1.5***	**3.5**

1. All units are in (ug/m$^{3)}$
2. ATSDR Minimal Risk Levels (MRL) (ATSDR Toxicological Profile for Formaldehyde, July 1999) - Acute MRL 0.04 ppm = 50 ug/m^3; Chronic MRL 0.008 ppm=10 ug/m^3
3. NA= Not available
4. Bold indicates concentration exceeded Region 9 PRG
5. Shading indicates concentration exceeded Chronic MRL ***value***

* Indicates possible break-through from front to back of sorbent tube.

Table 10: Aldehydes
Event #146: Tuesday, October 13 to Wednesday, October 14, 2009[1,2]

Aldehyde	HAP ISL	Acute MRL[2]	Chr. MRL[2]	PRG	School			Cell Tower			Campground			Wetland		
Prevailing wind direction					V/C			V/C			C/U			V/C		
					1	2	3	1	2	3	1	2	3	1	2	3
Acetaldehyde	90	NA[3]	NA	**0.87**	**12.9[4]**	**2.0**	**4.3**	**7.0**	**4.2**	**4.7**	**9.1**	**3.9***	**5.4**	**5.7**	**1.9**	**3.2**
Formaldehyde	50	50	10	**0.15**	**4.5**	**1.2***	**2.7***	**3.1**	**2.8***	**2.5***	**5.2**	**2.8***	**3.2***	**3.2**	**1.5***	**2.0***

1. All units are in (ug/m$^{3)}$
2. ATSDR Minimal Risk Levels (MRL) (ATSDR Toxicological Profile for Formaldehyde, July 1999) - Acute MRL 0.04 ppm = 50 ug/m^3; Chronic MRL 0.008 ppm=10 ug/m^3
3. NA= Not available
4. Bold indicates concentration exceeded Region 9 PRG
5. Shading indicates concentration exceeded Chronic MRL ***value***

* Indicates possible break-through from front to back of sorbent tube.

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 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.

Hydrogen Fluoride (HF) was not detected in any sampling tube during the time period covered in this report, thus, none of the samples had concentrations above the HF MRL. Hydrogen Chloride (HCL) was detected in only 2 of the 54 sampling tubes analyzed during the time period covered by this report (Event #145 – 24.1 ug/m^3 (Wetland) and Event #146 – 17.9 ug/m^3 (School)). The highly conservative Region 9 PRG screening value for HCl (21 ug/m^3) is essentially for constant exposure over many years, therefore the single detection above the region 9 PRG (Event #145) should not be considered a public health concern and may be attributable, in part, to moisture in the sorbent tube or other regional sources.

The HCl and HF results are summarized in the tables below.

Table 11: HF and HCl
Event #142: Saturday, September 19 to Sunday, September 20, 2009[1,2]

Compound	ATSDR MRL[3]	PRG	School			Cell Tower			Campground			Wetland		
Prevailing wind direction			D/D			D/D			C/C			U/U		
			1	2	3	1	2	3	1	2	3	1	2	3
HF	17	NA[4]	ND[5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HCl	NA	**21**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

1. All units are in (ug/m^3)
2. Laboratory Analytical Results are in Appendix A
3. ATSDR MRL – hydrogen fluoride = 2ppm = 17 ug/m^3 (Acute inhalation exposure)
4. NA = Not Available
5. ND = Non Detect

Table 12: HF and HCl
Event #143: Friday, September 25 to Saturday, September 26, 2009[1,2]

Compound	ATSDR MRL[3]	PRG	School			Cell Tower			Campground			Wetland		
Prevailing wind direction			C/C			C/C			C/U			U/C		
			1	2	3	1	2	3	1	2	3	1	2	3
HF	17	NA[4]	ND[5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HCl	NA	**21**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

1. All units are in (ug/m^3)
2. Laboratory Analytical Results are in Appendix B
3. ATSDR MRL – hydrogen fluoride = 2ppm = 17 ug/m^3 (Acute inhalation exposure)
4. NA = Not Available
5. ND = Non Detect

Table 13: HF and HCl
Event #144: Thursday, October 1 to Friday, October 2, 2009[1,2]

Compound	ATSDR MRL[3]	PRG	School			Cell Tower			Campground			Wetland		
Prevailing wind direction			V			V			V			V		
			1	2	3	1	2	3	1	2	3	1	2	3
HF	17	NA[4]	ND[5]	ND	ND	ND	ND	ND	NS[6]	NS	NS	ND	ND	ND
HCl	NA	**21**	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND

1. All units are in (ug/m^3)
2. Laboratory Analytical Results are in Appendix C
3. ATSDR MRL – hydrogen fluoride = 2ppm = 17 ug/m^3 (Acute inhalation exposure)
4. NA = Not Available
5. ND = Non Detect
6. NS = Not Sampled

Table 14: HF and HCl
Event #145: Wednesday, October 7 to Thursday, October 8, 2009[1,2]

Compound	ATSDR MRL[3]	PRG	School			Cell Tower			Campground			Wetland		
Prevailing wind direction			V/C			V/C			C/U			V/C		
			1	2	3	1	2	3	1	2	3	1	2	3
HF	17	NA[4]	ND[5]	ND	ND	NS[6]	NS	NS	ND	ND	ND	ND	ND	ND
HCl	NA	**21**	ND	ND	ND	NS	NS	NS	ND	ND	ND	ND	**24.1**[7]	ND

1. All units are in (ug/m^3)
2. Laboratory Analytical Results are in Appendix D
3. ATSDR MRL – hydrogen fluoride = 2ppm = 17 ug/m^3 (Acute inhalation exposure)
4. NA = Not Available
5. ND = Non Detect
6. NS = Not Sampled
7. Bold indicates result exceeded Region 9 PRG

Table 15: HF and HCl
Event #146: Tuesday, October 13 to Wednesday, October 14, 2009[1,2]

Compound	ATSDR MRL[3]	PRG	School			Cell Tower			Campground			Wetland		
Prevailing wind direction			V/C			V/C			C/U			V/C		
			1	2	3	1	2	3	1	2	3	1	2	3
HF	17	NA[4]	ND[5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HCl	NA	**21**	17.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

1. All units are in (ug/m^3)
2. Laboratory Analytical Results are in Appendix E
3. ATSDR MRL – hydrogen fluoride = 2ppm = 17 ug/m^3 (Acute inhalation exposure)
4. NA = Not Available
5. ND = Non Detect

4.0 SUMMARY

4.1 Volatile Organic Compounds

None of the concentrations of any of the detected VOC analytes exceeded their respective Acute/Chronic MRL or the HAP Individual Sample Screening Levels, irrespective of the potential source(s). All of the reported benzene concentrations were within the range of background levels reported in the literature and by other investigators. The concentration of benzene detected from the 25 samples collected from mid-September to mid-October ranged from 0.44 ug/m^3 to 1.5 ug/m^3 (mean 0.71 ug/m^3); these concentrations are below the average background concentration (1.96 ug/m^3) in ambient air in Ohio (Ohio EPA, *Portsmouth Ohio Air Quality Study 2003*). There was no

apparent correlation of concentrations with the sampling site relative position to the landfill.

As mentioned in previous Monthly Reports, there are numerous local and area sources of benzene and related compounds, including lawn mowing, emissions from the heavy equipment working on the nearby expansion area of the landfill, motor vehicles on nearby roads and Interstate 77, the Marathon refinery on the south side of Canton, and the landfill. The sources of carbon tetrachloride are not known, but the consistently low concentrations of this environmentally persistent compound across all monitoring locations (irrespective of wind direction) indicate that, like benzene, it is present in background air not related to the landfill.

Note: The two compounds, benzene and carbon tetrachloride, that were measured at concentrations (or estimated concentrations as designated by a "J" qualifier) above their Region 9 PRGs (0.25 ug/m^3 and 0.13 ug/m^3, respectively) have PRGs that are below the reporting limit (0.64 ug/m^3 and 1.3 ug/m^3, respectively) for the analytical laboratory. Consequently, any quantifiable detection of these compounds will exceed the highly conservative Region 9 PRG. Therefore, the ATSDR MRLs and the USEPA HAP ISLs provide a more realistic basis of comparison, since all of the MRLs are above the range of laboratory reporting limits. Neither benzene nor carbon tetrachloride concentrations in any sample exceeded or even approached their respective acute or chronic ATSDR MRL or their USEPA HAP ISL.

4.2 Aldehydes (Carbonyl Compounds)

Formaldehyde and acetaldehyde were detected at all community sampling locations. The Region 9 PRGs for formaldehyde and acetaldehyde (0.15 ug/m^3 and 0.87 ug/m^{3,} respectively) are very close to the laboratory reporting limits for these compounds. Consequently, almost any measurable levels of formaldehyde and acetaldehyde will exceed the respective Region 9 PRG. Therefore, when available, the ATSDR Acute/Chronic MRLs and the USEPA HAP ISLs for formaldehyde and acetaldehyde are more relevant guidelines for interpreting the analytical results.

The ATSDR *Acute* MRL for formaldehyde (50 ug/m^3), which is a guideline for exposures lasting up to 14 days, was not exceeded in any sample covered in this report. The Individual Sample Screening Levels for formaldehyde and acetaldehyde, 50 ug/m^3 and 90 ug/m^3, respectively, are guidelines for short or intermediate continuous exposures. They were not exceeded in any sample covered in this report. Several 8-hour *values* exceeded the ATSDR *Chronic* MRL *value* (10 ug/m^3) – a value considered protective for long-term exposure. L&A reviewed the recent and historical data collected at the Countywide Recycling & Disposal Facility (May 21, 2007 to August 14, 2009) and determined that the average formaldehyde concentration is below both the ATSDR acute and chronic MRL values.

Additionally, there are no apparent correlations between the sampling location's orientation to the landfill and prevailing wind (e.g., upwind, downwind, or crosswind)

and the concentration of either formaldehyde or acetaldehyde. This suggests that the concentrations of these compounds may be derived from other common sources, such as vehicle emissions, including exhaust, and ambient air reactions.

As noted in previous reports, the first and third sorbent tubes tend to capture the highest concentrations of aldehydes. The first sorbent tube is programmed to turn on at 3:00 PM and run until 11:00 PM; the second tube samples air from 11:00 PM to 7:00 AM; and the third tube samples air from 7:00 AM to 3:00 PM. Thus, the first and third tubes are drawing air samples during the evening and morning rush hours, respectively. The lowest concentration of formaldehyde is typically observed during the daylight hours – indicating the potential for destruction of aldehydes by photochemical degradation processes. The density of motor vehicle traffic, the time of day, and meteorological conditions may help explain the observed fluctuations in levels of aldehydes.

4.3 Hydrogen Fluoride and Hydrogen Chloride

Hydrogen fluoride was not detected in any sample taken from mid-September to mid-October. Hydrogen chloride was detected at very low levels during monitoring events #145 and #146. The 24 hour average HCL concentrations did not exceed the conservative Region 9 PRG (21.0 ug/m^3) in any sampling event covered in this report. Additionally, there are no apparent associations between the sampling location's orientation to the landfill and prevailing wind (upwind, downwind or crosswind) and the concentration of HCL. This suggests that concentrations of this compound may be present in ambient air from other sources.

Note: It should be recognized that NIOSH Method 7903 for inorganic acids was designed for industrial-not ambient environmental applications. The methodology appears to be sensitive to changes in ambient conditions, particularly moisture. HF and HCl were either not present or were only detected at very low levels in the majority of samples that have been collected since the initiation of this monitoring program in May 2007. Even those results that appear to be outside of the "typical range" for this program are extremely low concentrations that do not present a risk to public health.

4.4 Laboratory Issues

No major laboratory issues have been identified as of the date of this report that would alter the conclusions based upon the monitoring results presented here. Results from the co-located (duplicate) TO-15 samples were similar for all locations and events.

4.5 Conclusions

No significant concentrations of any VOC, including benzene, have been reported in the months since alterations were made to the sampling apparatus. This is still the case for the monitoring events presented in this Monthly Report #30.

Our specific conclusions are summarized below:

- The levels of benzene recorded at the community monitoring locations during mid-September through mid-October were very low and well within Ohio background as reported by Ohio EPA (Portsmouth Ohio Air Quality Study, 2003). Additionally, the levels are well below the ATSDR MRLs and USEPA's Individual Sample Screening Level (30 ug/m3) for benzene.
- Because there are numerous local and regional sources of VOCs, it is expected that many of these compounds will continue to be detected at low levels as the community monitoring program moves forward.
- Concentrations of formaldehyde and acetaldehyde from mid-September through mid-October were comparable to the values observed in previous months. Neither, the ATSDR Acute MRL nor the USEPA Individual Sample Screening Level for formaldehyde (Acute MRL and HAP Screening Level: 50ug/m^3) or acetaldehyde (HAP Screening Level: 90 ug/m^3) was exceeded in any sample covered in this report.
- The average concentrations of formaldehyde recorded from all locations from May 21, 2007 through August 14, 2009 is below both the Acute and Chronic ATSDR MRL values as well as the USEPA ISL.
- The results from HCl and HF sampling continue to show no indication of any threat from these constituents; thus, sampling for hydrogen fluoride and hydrogen chloride should be eliminated.
- There are no clear trends with regard to the specific compounds or the concentrations of those compounds detected with respect to whether the monitoring location was upwind or downwind of the landfill during the monitoring event.
- The results presented in this Monthly Report #30 continue to support our conclusions that the occurrence of low levels of VOCs, aldehydes, and inorganic acids in the air of the community surrounding Countywide reflect local and regional sources; and that the levels of these compounds in the ambient air do not represent either an immediate or long-term threat to public health.

Countywide Recycling & Disposal Facility								
EPA Method TO-15 Modified: Volatile Organic Compounds								
Table 1: Event #142: September 19/20, 2009								
Analyte				**Monitoring Location**				
				School	***Cell Tower***	***Campground***	***Wetland***	
							Co-Located	
	Prevailing Wind Direction			**D/D**	**D/D**	**C/C**	**U/U**	
	All results in ug/m3							
Method TO-15 Modified	**Acute MRL**	**Chronic MRL**	**PRG**					
Acetone	61762	30881	3300	31	8.2J	20	14	49
Benzene	29	10	**0.25**	**1.1J**	**0.83**	**0.76**	**0.71**	**0.65**
Bromomethane	194	19	5.2	ND	ND	ND	ND	ND
1,3-Butadiene	NA	NA	0.061	ND	ND	ND	ND	ND
tert-Butyl alcohol	NA	NA	NA	0.37JB	0.15JB	0.76JB	0.18JB	0.55JB
Carbon disulfide	NA	934	730	0.32J	0.35J	0.21J	0.22J	0.37J
Carbon tetrachloride	188	188	**0.13**	**0.53J**	**0.56J**	**0.47J**	**0.49J**	**0.68J**
Chlorobenzene	NA	NA	62	ND	ND	ND	ND	ND
Chloroethane	39583	NA	2.3	ND	ND	ND	ND	0.20J
Chloroform	488	98	**0.083**	ND	ND	ND	ND	**3.9**
Chloromethane	1033	103	95	0.80J	0.90J	1.0	0.85J	3.0
2-Chlorotoluene	NA	NA	NA	ND	7.0	ND	ND	ND
Cyclohexane	NA	NA	6200	0.28J	0.20J	0.33J	ND	0.36J
1,2-Dichlorobenzene	NA	NA	210	ND	ND	ND	ND	ND
1,4- Dichlorobenzene	12020	60	0.31	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	NA	210	2.4	2.5	2.4	2.5	2.7
1,1-Dichloroethane	NA	NA	520	ND	ND	ND	ND	ND
1,2-Dichloroethane	NA	2428	0.0074	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NA	NA	37	ND	ND	ND	ND	ND
Ethylbenzene	43419	1303	1100	0.39J	ND	ND	ND	0.36J
4-Ethyltoluene	NA	NA	NA	ND	ND	ND	ND	ND
Heptane	NA	NA	NA	0.79J	0.71J	0.95J	0.49J	0.58J
Hexane	NA	2115	210	1.0J	1.1J	1.1J	0.86J	1.1J
Methyl ethyl ketone	NA	NA	5100	6.4	1.1J	3.6	1.7J	9.0
Methyl isobutyl ketone	NA	NA	3100	0.70J	ND	0.30J	ND	0.59J
Methylene chloride	2084	1042	**4.1**	**5.2B**	**5.2B**	**4.8B**	**4.6B**	**5.0B**
Styrene	8520	852	1100	ND	ND	ND	ND	ND
Tetrachloroethene	1356	271	0.32	ND	ND	ND	ND	ND
Tetrahydrofuran	NA	NA	0.99	ND	ND	ND	ND	0.36J
Toluene	3768	301	400	2.1	1.5	1.3	1.3	1.8
1,1,1-Trichloroethane	10800	NA	2300	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NA	NA	3.7	ND	ND	ND	ND	ND
Trichloroethene	10920	546	0.017	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	0.48J	0.48J	0.46J	0.44J	0.49J
Trichlorofluoromethane	NA	NA	730	1.3	1.3	1.3	1.2	1.4
1,2,4-Trimethylbenzene	NA	NA	6.2	ND	ND	ND	0.46J	0.34J
1,3,5-Trimethylbenzene	NA	NA	6.2	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	NA	NA	NA	0.49J	0.44J	0.21J	0.22J	0.21J
Vinyl Chloride	1278	77	0.11	ND	ND	ND	ND	ND
m/p-Xylene	8687	8687	110	0.99	0.61J	0.75J	0.57J	1.3
o-Xylene	8687	8687	110	0.33J	ND	0.29J	0.30J	0.50J
*Prevailing Wind Direction with respect to the landfill								
U: Upwind								
D: Downwind								
C: Crosswind								
V: Variable								
NS = No Sample								
ND = Not Detected								
NA = Not Available								
Y = TIC present								
Bold indicates result exceeds Region 9 PRG								
Shading indicates result exceeds ATSDR MRL								
Laboratory Data Qualifiers:								
B = Compound present in blank								
J = Estimated concentration below laboratory reporting limit								
D = Dilution								
E = Exceeds calibration range of instrument								
TICs: Compound has been tentatively identified but the estimated concentration is highly uncertain.								
EST= Estimated concentration due to pressurization diluting sample resulting in higher reporting limits.								

Countywide Recycling & Disposal Facility								
EPA Method TO-15 Modified: Volatile Organic Compounds								
Table 2: Event #143: September 25/26, 2009								
Analyte				**Monitoring Location**				
				School	**Cell Tower**		**Campground**	**Wetland**
					Co-Located			
	Prevailing Wind Direction			**C/C**	**C/C**		**C/U**	**U/C**
	All results in ug/m3							
Method TO-15 Modified	**Acute MRL**	**Chronic MRL**	**PRG**					
Acetone	61762	30881	3300	42	22	16	32	54
Benzene	29	10	**0.25**	**0.88**	**0.59J**	**0.54J**	**0.58J**	**0.54J**
Bromomethane	194	19	5.2	ND	ND	ND	ND	ND
1,3-Butadiene	NA	NA	0.061	ND	ND	ND	ND	ND
tert-Butyl alcohol	NA	NA	NA	0.53J	0.54J	0.20J	ND	0.34J
Carbon disulfide	NA	934	730	2.3	ND	ND	0.53J	0.20J
Carbon tetrachloride	188	188	**0.13**	**0.58J**	**0.63J**	**0.64J**	**0.61J**	**0.57J**
Chlorobenzene	NA	NA	62	ND	ND	ND	ND	ND
Chloroethane	39583	NA	2.3	ND	ND	ND	ND	0.15J
Chloroform	488	98	0.083	ND	ND	ND	ND	ND
Chloromethane	1033	103	95	0.98J	1.7	1.1	1.3	1.3
Cyclohexane	NA	NA	6200	0.30J	0.19J	ND	0.21J	0.23J
1,2-Dichlorobenzene	NA	NA	210	ND	ND	ND	ND	ND
1,4- Dichlorobenzene	12020	60	0.31	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	NA	210	2.7	2.9	2.8	2.8	2.8
1,1-Dichloroethane	NA	NA	520	ND	ND	ND	ND	ND
1,2-Dichloroethane	NA	2428	0.0074	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NA	NA	37	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	793	793	210	ND	ND	ND	ND	ND
Ethylbenzene	43419	1303	1100	0.36J	ND	2.1	ND	ND
4-Ethyltoluene	NA	NA	NA	ND	ND	ND	ND	ND
Heptane	NA	NA	NA	ND	0.65J	1.3J	ND	ND
Hexane	NA	2115	210	1.5J	1.4J	0.76J	1.0J	1.1J
Methyl ethyl ketone	NA	NA	5100	6.7	2.1J	1.8J	4.9	8.6
Methyl isobutyl ketone	NA	NA	3100	0.63J	0.25J	0.54J	0.28J	0.85J
Methylene chloride	2084	1042	4.1	2.3B	3.9B	1.8B	2.0B	2.3B
Styrene	8520	852	1100	ND	ND	ND	ND	ND
Tetrachloroethene	1378	276	0.32	ND	ND	ND	ND	ND
Tetrahydrofuran	NA	NA	0.99	0.21J	ND	ND	ND	ND
Toluene	3768	301	400	1.8	1.0	13	1.2	0.95
1,1,1-Trichloroethane	10800	NA	2300	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NA	NA	3.7	0.77J	0.62J	ND	ND	ND
Trichloroethene	10920	546	0.017	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	0.59J	0.62J	0.66J	0.61J	0.63J
Trichlorofluoromethane	NA	NA	730	1.5	1.7	1.5	1.5	1.5
1,2,4-Trimethylbenzene	NA	NA	6.2	0.86J	0.36J	0.36J	0.41J	0.43J
1,3,5-Trimethylbenzene	NA	NA	6.2	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	NA	NA	NA	0.47J	ND	0.90J	0.27J	0.21J
Vinyl Chloride	1278	77	0.11	ND	ND	ND	ND	ND
m/p-Xylene	8687	8687	110	1.2	0.57J	3.6	0.76J	0.58J
o-Xylene	8687	8687	110	0.51J	ND	0.95	ND	ND
*Prevailing Wind Direction with respect to the landfill								
U: Upwind								
D: Downwind								
C: Crosswind								
V: Variable								
NS = No Sample								
ND = Not Detected								
NA = Not Available								
Y = TIC present								
Bold indicates result exceeds Region 9 PRG								
Shading indicates result exceeds ATSDR MRL								
Laboratory Data Qualifiers:								
B = Compound present in blank								
J = Estimated concentration below laboratory reporting limit								
D = Dilution								
E = Exceeds calibration range of instrument								
TICs: Compound has been tentatively identified but the estimated concentration is highly uncertain.								
EST= Estimated concentration due to pressurization diluting sample resulting in higher reporting limits.								

Countywide Recycling & Disposal Facility								
EPA Method TO-15 Modified: Volatile Organic Compounds								
Table 3: Event #144: October 1/2, 2009								
Analyte				**Monitoring Location**				
				School		***Cell Tower***	***Campground***	***Wetland***
				Co-Located				
	Prevailing Wind Direction			**V**		**V**	**V**	**V**
	All results in ug/m3							
Method TO-15 Modified	**Acute MRL**	**Chronic MRL**	**PRG**					
Acetone	61762	30881	3300	15	39	17	22	15
Benzene	29	10	**0.25**	**0.69**	**0.79**	**0.65**	**0.48J**	**0.67**
Bromomethane	194	19	5.2	ND	ND	ND	ND	ND
1,3-Butadiene	NA	NA	0.061	ND	ND	ND	ND	ND
tert-Butyl alcohol	NA	NA	NA	0.27J	3.4J	0.22J	0.20J	0.14J
Carbon disulfide	NA	934	730	0.23J	2.2	ND	0.30J	0.12J
Carbon tetrachloride	188	188	**0.13**	**0.81J**	**0.81J**	**0.70J**	**1.0J**	**0.76J**
Chlorobenzene	NA	NA	62	ND	ND	ND	ND	ND
Chloroethane	39583	NA	2.3	ND	ND	ND	ND	ND
Chloroform	488	98	**0.083**	ND	**0.20J**	ND	ND	ND
Chloromethane	1033	103	95	1.2	1.6	1.1	1.5	1.0
Cyclohexane	NA	NA	6200	ND	ND	ND	ND	ND
1,4- Dichlorobenzene	12020	60	0.31	ND	ND	ND	ND	ND
1,2-Dichloro-1,1,2,2-tetrafluorethane	NA	NA	NA	ND	ND	ND	0.27J	ND
Dichlorodifluoromethane	NA	NA	210	2.9	3.0	3.0	3.0	2.9
1,1-Dichloroethane	NA	NA	520	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NA	NA	37	ND	ND	ND	ND	ND
Ethylbenzene	43419	1303	1100	0.37J	0.51J	0.69J	ND	ND
4-Ethyltoluene	NA	NA	NA	0.66J	0.71J	ND	ND	0.40J
Heptane	NA	NA	NA	0.64J	0.79J	0.70J	0.80J	0.77J
Hexane	NA	2115	210	1.0J	0.96J	0.91J	0.88J	0.71J
Methyl ethyl ketone	NA	NA	5100	1.9J	3.3	1.6J	3.4	2.2J
Methyl isobutyl ketone	NA	NA	3100	0.35J	0.87J	ND	0.37J	0.27J
Methylene chloride	2084	1042	4.1	2.8B	2.1B	2.6B	1.2JB	1.7B
Styrene	8520	852	1100	ND	ND	ND	ND	ND
Tetrachloroethene	1378	276	0.32	ND	ND	ND	0.98J	ND
Tetrahydrofuran	NA	NA	0.99	ND	ND	ND	ND	ND
Toluene	3768	301	400	1.5	1.6	1.0	0.89	0.91
1,2,4-Trichlorobenzene	NA	NA	3.7	ND	ND	0.74J	ND	ND
1,1,1-Trichloroethane	10800	NA	2300	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	0.62J	0.60J	0.65J	0.64J	0.63J
Trichlorofluoromethane	NA	NA	730	2.0	1.8	1.9	1.8	1.9
1,2,4-Trimethylbenzene	NA	NA	6.2	1.4	2.2	0.68J	ND	0.91J
1,3,5-Trimethylbenzene	NA	NA	6.2	0.33J	0.47J	ND	ND	ND
2,2,4-Trimethylpentane	NA	NA	NA	0.32J	0.37J	ND	ND	ND
Vinyl Chloride	1278	77	0.11	ND	ND	ND	ND	ND
m/p-Xylene	8687	8687	110	1.4	2.1	4.4	ND	0.72J
o-Xylene	8687	8687	110	0.57J	0.91	2.2	ND	0.35J
*Prevailing Wind Direction with respect to the landfill								
U: Upwind								
D: Downwind								
C: Crosswind								
V: Variable								
NS = No Sample								
ND = Not Detected								
NA = Not Available								
Y = TIC present								
Bold indicates result exceeds Region 9 PRG								
Shading indicates result exceeds ATSDR MRL								
Laboratory Data Qualifiers:								
B = Compound present in blank								
J = Estimated concentration below laboratory reporting limit								
D = Dilution								
E = Exceeds calibration range of instrument								
TICs: Compound has been tentatively identified but the estimated concentration is highly uncertain.								
EST= Estimated concentration due to pressurization diluting sample resulting in higher reporting limits.								

Countywide Recycling & Disposal Facility
EPA Method TO-15 Modified: Volatile Organic Compounds
Table 4: Event #145: October 7/8, 2009

Analyte				Monitoring Location				
				School	Cell Tower	Campground		Wetland
						Co-Located		
	Prevailing Wind Direction			V/C	V/C	C/U		V/C
	All results in ug/m3							
Method TO-15 Modified	**Acute MRL**	**Chronic MRL**	**PRG**					
Acetone	61762	30881	3300	13	12	20	6.3J	16
Benzene	29	10	**0.25**	**0.49J**	**0.44J**	**0.61J**	**0.60J**	**0.45J**
Bromomethane	194	19	5.2	ND	ND	ND	ND	ND
1,3-Butadiene	NA	NA	0.061	ND	ND	ND	ND	ND
tert-Butyl alcohol	NA	NA	NA	2.7J	0.58J	0.49J	0.12J	0.61J
Carbon disulfide	NA	934	730	ND	ND	0.34	ND	0.27J
Carbon tetrachloride	188	188	**0.13**	**0.81J**	**1.0J**	**0.70J**	**0.87J**	**0.83J**
Chlorobenzene	NA	NA	62	ND	ND	ND	ND	ND
Chloroethane	39583	NA	2.3	ND	ND	ND	ND	ND
Chloroform	488	98	**0.083**	ND	**0.27J**	**0.26J**	**0.24J**	**0.21J**
Chloromethane	1033	103	95	1.2	1.6	1.6	1.1	2.1
Cyclohexane	NA	NA	6200	ND	0.25J	0.27J	0.28J	ND
1,4- Dichlorobenzene	12020	60	0.31	ND	ND	ND	ND	ND
1,2-Dichloro-1,1,2,2-tetrafluorethane	NA	NA	NA	ND	0.24J	ND	ND	ND
Dichlorodifluoromethane	NA	NA	210	3.7	3.9	3.6	3.6	3.4
1,2-Dichloroethane	NA	2428	**0.0074**	**0.33J**	**1.0**	**0.75J**	**0.82**	**0.48**
cis-1,2-Dichloroethene	NA	NA	37	ND	ND	ND	ND	ND
Ethylbenzene	43419	1303	1100	ND	ND	ND	0.33J	0.34J
4-Ethyltoluene	NA	NA	NA	ND	ND	ND	0.35J	ND
Heptane	NA	NA	NA	0.69J	0.43J	0.83J	0.66J	0.79J
Hexachlorobutadiene	NA	NA	0.086	ND	ND	ND	ND	0.90J
Hexane	NA	2115	210	0.90J	1.3J	1.4J	1.5J	2.1
Methyl ethyl ketone	NA	NA	5100	0.81J	0.91J	2.8J	0.59J	1.8J
Methyl isobutyl ketone	NA	NA	3100	0.22J	ND	0.23J	ND	ND
Methylene chloride	2084	1042	4.1	1.4JB	2.5B	2.4B	2.7B	3.2B
Styrene	8520	852	1100	ND	ND	ND	ND	ND
Tetrahydrofuran	NA	NA	0.99	ND	ND	ND	ND	ND
Tetrachloroethene	1356	271	0.32	ND	ND	ND	ND	ND
Toluene	3768	301	400	0.94	0.36J	1.0	0.97	0.90
Trichloroethene	10920	546	0.017	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10800	NA	2300	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	0.66J	0.70J	0.66J	0.72J	0.74J
Trichlorofluoromethane	NA	NA	730	2.1	2.4	2.2	2.1	2.2
1,2,4-Trimethylbenzene	NA	NA	6.2	0.73J	ND	ND	1.0	0.86J
1,3,5-Trimethylbenzene	NA	NA	6.2	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	NA	NA	NA	0.26J	ND	0.22J	0.23J	ND
Vinyl Chloride	1278	77	0.11	ND	ND	ND	ND	ND
m/p-Xylene	8687	8687	110	0.76J	ND	0.95	0.99	1.4
o-Xylene	8687	8687	110	0.33J	ND	0.35J	0.38J	0.48J

*Prevailing Wind Direction with respect to the landfill
U: Upwind
D: Downwind
C: Crosswind
V: Variable

NS = No Sample
ND = Not Detected
NA = Not Available
Y = TIC present
Bold indicates result exceeds Region 9 PRG
Shading indicates result exceeds ATSDR MRL

Laboratory Data Qualifiers:
B = Compound present in blank
J = Estimated concentration below laboratory reporting limit
D = Dilution
E = Exceeds calibration range of instrument
TICs: Compound has been tentatively identified but the estimated concentration is highly uncertain.
EST= Estimated concentration due to pressurization diluting sample resulting in higher reporting limits.

Countywide Recycling & Disposal Facility								
EPA Method TO-15 Modified: Volatile Organic Compounds								
Table 5: Event #146: October 13/14, 2009								
Analyte				**Monitoring Location**				
				School	***Cell Tower***	***Campground***	***Wetland***	
							Co-Located	
	Prevailing Wind Direction			**V/C**	**V/C**	**C/U**	**V/C**	
	All results in ug/m3							
Method TO-15 Modified	**Acute MRL**	**Chronic MRL**	**PRG**					
Acetone	61762	30881	3300	11J	8.7J	14	19	11J
Benzene	29	10	**0.25**	**0.98**	**0.74**	**1.5**	**0.65**	**0.72**
Bromomethane	194	19	5.2	ND	ND	ND	ND	ND
1,3-Butadiene	NA	NA	0.061	ND	ND	ND	ND	ND
tert-Butyl alcohol	NA	NA	NA	0.22J	0.51J	0.37J	0.49J	0.21J
Carbon disulfide	NA	934	730	ND	ND	0.13J	ND	ND
Carbon tetrachloride	188	188	**0.13**	**0.58J**	**0.55J**	**0.61J**	**0.62J**	**0.61J**
Chlorobenzene	NA	NA	62	ND	ND	ND	ND	ND
Chloroethane	39583	NA	2.3	ND	ND	0.11J	ND	ND
Chloroform	488	98	**0.083**	ND	ND	**0.27J**	ND	ND
Chloromethane	1033	103	95	0.99J	1.2	1.4	1.0	1.2
Cyclohexane	NA	NA	6200	0.32J	0.25J	0.26J	0.43J	0.36J
1,4- Dichlorobenzene	12020	60	0.31	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	NA	210	2.8	2.9	3.1	3.0	2.9
1,2-Dichloroethane	NA	2428	**0.0074**	**0.49J**	**ND**	**2.3**	**ND**	**ND**
cis-1,2-Dichloroethene	NA	NA	37	ND	ND	ND	ND	ND
Ethylbenzene	43419	1303	1100	ND	ND	0.38J	ND	0.48J
4-Ethyltoluene	NA	NA	NA	0.35J	ND	ND	ND	ND
Heptane	NA	NA	NA	0.62J	0.60J	0.89J	0.89J	0.81J
Hexane	NA	2115	210	0.81J	0.68J	1.2	1.1J	1.1J
Methyl ethyl ketone	NA	NA	5100	1.4J	0.84J	2.3J	2.7J	1.3J
Methyl isobutyl ketone	NA	NA	3100	0.20J	ND	ND	ND	ND
Methylene chloride	2084	1042	4.1	0.89J	0.64J	0.81J	0.86J	0.91J
Styrene	8520	852	1100	ND	ND	ND	ND	ND
Tetrahydrofuran	NA	NA	0.99	ND	ND	ND	ND	ND
Tetrachloroethene	1356	271	0.32	ND	ND	ND	ND	ND
Toluene	3768	301	400	1.6	1.3	2.1	1.3	1.6
Trichloroethene	10920	546	0.017	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10800	NA	2300	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	0.51J	0.55J	0.57J	0.57J	0.56J
Trichlorofluoromethane	NA	NA	730	1.4	1.5	1.5	1.6	1.6
1,2,4-Trimethylbenzene	NA	NA	6.2	1.4	0.79J	0.68J	1.3	0.35J
1,3,5-Trimethylbenzene	NA	NA	6.2	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	NA	NA	NA	0.27J	0.20J	0.26J	0.22J	0.24J
Vinyl Chloride	1278	77	0.11	ND	ND	ND	ND	ND
m/p-Xylene	8687	8687	110	1.0	0.81J	1.6	1.1	1.2
o-Xylene	8687	8687	110	0.40J	0.32J	0.57J	0.34J	0.42J
*Prevailing Wind Direction with respect to the landfill								
U: Upwind								
D: Downwind								
C: Crosswind								
V: Variable								
NS = No Sample								
ND = Not Detected								
NA = Not Available								
Y = TIC present								
Bold indicates result exceeds Region 9 PRG								
Shading indicates result exceeds ATSDR MRL								
Laboratory Data Qualifiers:								
B = Compound present in blank								
J = Estimated concentration below laboratory reporting limit								
D = Dilution								
E = Exceeds calibration range of instrument								
TICs: Compound has been tentatively identified but the estimated concentration is highly uncertain.								
EST= Estimated concentration due to pressurization diluting sample resulting in higher reporting limits.								

LIST OF APPENDICES

APPENDIX A. Laboratory Analytical Results from Event #142
APPENDIX B. Laboratory Analytical Results from Event #143
APPENDIX C. Laboratory Analytical Results from Event #144
APPENDIX D. Laboratory Analytical Results from Event #145
APPENDIX E. Laboratory Analytical Results from Event #146

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #30

November 20, 2009

APPENDIX A. Laboratory Analytical Results from Event #142:
Saturday, September 19 to Sunday, September 20, 2009

Test America Laboratories-Knoxville: EPA Method TO-15M
Test America Laboratories-Phoenix: EPA Method TO-11A, NIOSH 7903

SAMPLE SUMMARY

H9I230163

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LLAFK	001	SU-C091909	09/19/09	
LLAFM	002	SU-G091909	09/19/09	
LLAFN	003	SU-S091909	09/19/09	
LLAFP	004	SU-W091909	09/19/09	
LLAFR	005	SU-COW091909	09/19/09	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H9I230163

The results reported herein are applicable to the samples submitted for analysis only.

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

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verification analyzed on 09/23/09 exhibited a % difference of > 30% for chloroethane, bromomethane, vinyl bromide, 1,2,4-trichlorobenzene and hexachlorobutadiene, the results were within the LCS acceptance limits.

Although chloroethane and bromomethane are flagged as being outside recovery limits in the laboratory control sample for batch 9267344, the laboratory control sample is in control. The standard operating procedure allows for 3 analytes to be outside the control limits, but within marginal exceedence limit.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Lab #88-0688, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Lab #PH-0223, Florida DOH Lab #E87177, Georgia DNR Lab #906, Hawaii DOH, Illinois EPA Lab #200012, Indiana DOH Lab #C-TN-02, Iowa DNR Lab #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH, Maryland DOE Cert. #277, Michigan DEQ Lab #9933, Nevada DEP, New Jersey DEP Lab #TN001, New York DOH Lab #10781, North Carolina DPH Lab #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Lab #CL0059, Oklahoma DEQ Lab #9415, Pennsylvania DEP Lab #68-00576, South Carolina DHEC Cert #84001001, Tennessee DOH Lab #02014, Texas CEQ, Utah DOH Lab # QUAN3, Virginia DGS Lab #00165, Washington DOE Lab #C1314, West Virginia DEP Cert. #345, West Virginia DHHR Cert #9955C, Wisconsin DNR Lab #998044300, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-C091909

GC/MS Volatiles

Lot-Sample #	H9I230163 - 001	Work Order #	LLAFK1AA	Matrix.....:	AIR

Date Sampled...:	09/19/2009	Date Received..:	09/23/2009
Prep Date.....:	09/23/2009	Analysis Date...	09/23/2009
Prep Batch #.....:	9267344		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**3.4**	**5.0**	**8.2**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.17**	**0.50**	**0.71**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.30**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.094**	**0.50**	**0.44**	**J**	**2.3**
tert-Butyl alcohol	**0.049**	**2.0**	**0.15**	**J B**	**6.1**
Methylene chloride	**1.5**	**0.50**	**5.2**	**B**	**1.7**
Benzene	**0.26**	**0.20**	**0.83**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.40**	**0.20**	**1.5**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.062**	**0.20**	**0.48**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.14**	**0.20**	**0.61**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.36**	**1.0**	**1.1**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.11**	**0.50**	**0.35**	**J**	**1.6**
Carbon tetrachloride	**0.090**	**0.20**	**0.56**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C091909

GC/MS Volatiles

Lot-Sample # H9I230163 - 001 Work Order # LLAFK1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.43**	**0.50**	**0.90**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	**1.4**	**0.40**	**7.0**		**2.1**
Cyclohexane	**0.058**	**0.50**	**0.20**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.50**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-G091909

GC/MS Volatiles

Lot-Sample #	H9I230163 - 002	Work Order #	LLAFM1AA	Matrix.....:	AIR

Date Sampled...:	09/19/2009	Date Received..:	09/23/2009
Prep Date.....:	09/23/2009	Analysis Date...	09/23/2009
Prep Batch #.....:	9267344		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**8.3**	**5.0**	**20**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.23**	**0.50**	**0.95**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.31**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.046**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	**0.25**	**2.0**	**0.76**	**J B**	**6.1**
Methylene chloride	**1.4**	**0.50**	**4.8**	**B**	**1.7**
Benzene	**0.24**	**0.20**	**0.76**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.34**	**0.20**	**1.3**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.060**	**0.20**	**0.46**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.067**	**0.20**	**0.29**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.17**	**0.20**	**0.75**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.2**	**1.0**	**3.6**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.074**	**0.50**	**0.30**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.067**	**0.50**	**0.21**	**J**	**1.6**
Carbon tetrachloride	0.075	0.20	0.47	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-G091909

GC/MS Volatiles

Lot-Sample # H91230163 - 002 **Work Order #** LLAFM1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.50**	**0.50**	**1.0**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.097**	**0.50**	**0.33**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.48**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-S091909

GC/MS Volatiles

Lot-Sample #	H9I230163 - 003	Work Order #	LLAFN1AA	Matrix.....:	AIR

Date Sampled...:	09/19/2009	Date Received..:	09/23/2009
Prep Date.....:	09/23/2009	Analysis Date...	09/24/2009
Prep Batch #.....:	9267344		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**13**	**5.0**	**31**		**12**
Ethylbenzene	**0.091**	**0.20**	**0.39**	**J**	**0.87**
Trichlorofluoromethane	**0.24**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.19**	**0.50**	**0.79**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.29**	**0.50**	**1.0**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.11**	**0.50**	**0.49**	**J**	**2.3**
tert-Butyl alcohol	**0.12**	**2.0**	**0.37**	**J B**	**6.1**
Methylene chloride	**1.5**	**0.50**	**5.2**	**B**	**1.7**
Benzene	**0.34**	**0.20**	**1.1**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.55**	**0.20**	**2.1**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.063**	**0.20**	**0.48**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.076**	**0.20**	**0.33**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.23**	**0.20**	**0.99**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.2**	**1.0**	**6.4**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.17**	**0.50**	**0.70**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.10**	**0.50**	**0.32**	**J**	**1.6**
Carbon tetrachloride	**0.085**	**0.20**	**0.53**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S091909

GC/MS Volatiles

Lot-Sample # H9I230163 - 003 **Work Order #** LLAFN1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.39**	**0.50**	**0.80**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.082**	**0.50**	**0.28**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.49**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-W091909

GC/MS Volatiles

Lot-Sample #	H9I230163 - 004	Work Order #	LLAFP1AA	Matrix.....:	AIR

Date Sampled...:	09/19/2009	Date Received..:	09/23/2009
Prep Date.....:	09/23/2009	Analysis Date...	09/24/2009
Prep Batch #.....:	9267344		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**5.9**	**5.0**	**14**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.12**	**0.50**	**0.49**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.24**	**0.50**	**0.86**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.047**	**0.50**	**0.22**	**J**	**2.3**
tert-Butyl alcohol	**0.058**	**2.0**	**0.18**	**J B**	**6.1**
Methylene chloride	**1.3**	**0.50**	**4.6**	**B**	**1.7**
Benzene	**0.22**	**0.20**	**0.71**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.34**	**0.20**	**1.3**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.057**	**0.20**	**0.44**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.094**	**0.20**	**0.46**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.069**	**0.20**	**0.30**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.13**	**0.20**	**0.57**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.57**	**1.0**	**1.7**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.070**	**0.50**	**0.22**	**J**	**1.6**
Carbon tetrachloride	**0.078**	**0.20**	**0.49**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W091909

GC/MS Volatiles

Lot-Sample # H9I230163 - 004 **Work Order #** LLAFP1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.41**	**0.50**	**0.85**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.50**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	91	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-COW091909

GC/MS Volatiles

Lot-Sample #	H9I230163 - 005	Work Order #	LLAFR1AA	Matrix.....:	AIR

Date Sampled...:	09/19/2009	Date Received..:	09/23/2009
Prep Date.....:	09/23/2009	Analysis Date...	09/23/2009
Prep Batch #.....:	9267344		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**21**	**5.0**	**49**		**12**
Ethylbenzene	**0.082**	**0.20**	**0.36**	**J**	**0.87**
Trichlorofluoromethane	**0.26**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.14**	**0.50**	**0.58**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.30**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.044**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	**0.18**	**2.0**	**0.55**	**J B**	**6.1**
Methylene chloride	**1.5**	**0.50**	**5.0**	**B**	**1.7**
Benzene	**0.20**	**0.20**	**0.65**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.12**	**1.0**	**0.36**	**J**	**2.9**
Toluene	**0.47**	**0.20**	**1.8**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.064**	**0.20**	**0.49**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.069**	**0.20**	**0.34**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.12**	**0.20**	**0.50**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.30**	**0.20**	**1.3**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**3.0**	**1.0**	**9.0**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.14**	**0.50**	**0.59**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.12**	**0.50**	**0.37**	**J**	**1.6**
Carbon tetrachloride	**0.11**	**0.20**	**0.68**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COW091909

GC/MS Volatiles

Lot-Sample # H9I230163 - 005 Work Order # LLAFR1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	**0.076**	**0.20**	**0.20**	**J**	**0.53**
Chloroform	**0.80**	**0.20**	**3.9**		**0.98**
Chloromethane	**1.4**	**0.50**	**3.0**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.10**	**0.50**	**0.36**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.56**	**0.20**	**2.7**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9I240000 - 344B **Work Order #** LLEHV1AA **Matrix.....:** AIR

	09/17/2009	**Date Received..:**	09/21/2009
Prep Date.....:	09/23/2009	**Analysis Date...**	09/23/2009
Prep Batch #.....:	9267344		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	ND	5.0	ND		12
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	ND	0.20	ND		1.1
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	ND	0.50	ND		1.8
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.054**	**2.0**	**0.16**	**J**	**6.1**
Methylene chloride	**0.088**	**0.50**	**0.31**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9I240000 - 344B **Work Order #** LLEHV1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	ND	0.50	ND	1.0
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	ND	0.20	ND	0.99
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9I240000 - 344C **Work Order #** LLEHV1AC **Matrix.....:** AIR

	09/17/2009	**Date Received..:**	09/21/2009
Prep Date.....:	09/23/2009	**Analysis Date...**	09/23/2009
Prep Batch #.....:	9267344		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY		RECOVERY LIMITS
trans-1,3-Dichloropropene	2.50	2.24	11	10	89		70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.50	2.05	17	14	82		60 - 140
Acetone	2.50	2.47	5.9	5.9	99		60 - 140
Ethylbenzene	2.50	2.18	11	9.5	87		70 - 130
Trichlorofluoromethane	2.50	2.73	14	15	109		60 - 140
n-Heptane	2.50	2.11	10	8.6	84		70 - 130
Hexachlorobutadiene	2.50	1.66	27	18	66		60 - 140
n-Hexane	2.50	2.30	8.8	8.1	92		70 - 130
2,2,4-Trimethylpentane	2.50	1.93	12	9.0	77		70 - 130
tert-Butyl alcohol	2.50	2.64	7.6	8.0	106		60 - 140
Methylene chloride	2.50	2.07	8.7	7.2	83		70 - 130
Benzene	2.50	1.88	8.0	6.0	75		70 - 130
Styrene	2.50	2.12	11	9.0	85		70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.24	17	15	90		70 - 130
Tetrachloroethene	2.50	2.12	17	14	85		70 - 130
Tetrahydrofuran	2.50	2.75	7.4	8.1	110		70 - 130
Toluene	2.50	2.02	9.4	7.6	81		70 - 130
1,2,4-Trichlorobenzene	2.50	1.56	19	12	62		60 - 140
1,1,1-Trichloroethane	2.50	2.51	14	14	100		70 - 130
1,1,2-Trichloroethane	2.50	2.10	14	11	84		70 - 130
Trichloroethene	2.50	1.89	13	10	76		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.50	2.44	19	19	98		70 - 130
1,2,4-Trimethylbenzene	2.50	2.23	12	11	89		70 - 130
1,3,5-Trimethylbenzene	2.50	2.17	12	11	87		70 - 130
Vinyl chloride	2.50	1.86	6.4	4.7	74		70 - 130
o-Xylene	2.50	2.22	11	9.7	89		70 - 130
Methyl tert-butyl ether	2.50	2.66	9.0	9.6	107		60 - 140
m-Xylene & p-Xylene	5.00	4.25	22	18	85		70 - 130
Bromodichloromethane	2.50	2.22	17	15	89		70 - 130
1,2-Dibromoethane (EDB)	2.50	2.20	19	17	88		70 - 130
2-Butanone (MEK)	2.50	2.34	7.4	6.9	93		60 - 140
4-Methyl-2-pentanone (MIBK)	2.50	2.44	10	10	98		60 - 140
Vinyl bromide	2.50	1.61	11	7.0	64		60 - 140
Bromoform	2.50	1.98	26	20	79		70 - 130
Bromomethane	2.50	1.59	9.7	6.2	64	a	70 - 130
1,3-Butadiene	2.50	1.86	5.5	4.1	74		60 - 140
4-Ethyltoluene	2.50	2.24	12	11	89		70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9I240000 - 344C Work Order # LLEHV1AC Matrix.....: AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY		RECOVERY LIMITS
Carbon disulfide	2.50	2.28	7.8	7.1	91		70 - 130
Carbon tetrachloride	2.50	2.25	16	14	90		70 - 130
Chlorobenzene	2.50	2.06	12	9.5	83		70 - 130
Dibromochloromethane	2.50	2.22	21	19	89		70 - 130
Chloroethane	2.50	1.57	6.6	4.1	63	a	70 - 130
Chloroform	2.50	2.36	12	12	95		70 - 130
Chloromethane	2.50	2.12	5.2	4.4	85		60 - 140
3-Chloropropene	2.50	2.74	7.8	8.6	110		70 - 130
2-Chlorotoluene	2.50	2.10	13	11	84		70 - 130
Cyclohexane	2.50	1.94	8.6	6.7	78		70 - 130
1,2-Dichlorobenzene	2.50	1.98	15	12	79		70 - 130
1,3-Dichlorobenzene	2.50	1.80	15	11	72		70 - 130
1,4-Dichlorobenzene	2.50	1.86	15	11	75		70 - 130
Dichlorodifluoromethane	2.50	2.83	12	14	113		60 - 140
1,1-Dichloroethane	2.50	2.33	10	9.4	93		70 - 130
1,2-Dichloroethane	2.50	2.38	10	9.7	95		70 - 130
1,1-Dichloroethene	2.50	2.27	9.9	9.0	91		70 - 130
cis-1,2-Dichloroethene	2.50	2.20	9.9	8.7	88		70 - 130
trans-1,2-Dichloroethene	2.50	2.18	9.9	8.6	87		70 - 130
1,2-Dichloropropane	2.50	2.02	12	9.3	81		70 - 130
cis-1,3-Dichloropropene	2.50	2.09	11	9.5	84		70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	60 - 140

Qualifiers

a Spiked analyte recovery is outside stated control limits.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Receipt Documentation

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

975 ~~929~~ Eastwind Drive, Suite 190 ~~211~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2100 Freeman Avenue~~
~~Cleveland, OH 44115~~
~~Phone: (216) 781-6700~~
~~Fax: (216) 781-6165~~

179I 230163

№ 8515

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7674

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SW-Surface Water, GW-Groundwater, SD-Sediment, WW-Wastewater, O-Other AIR

Containers Intact: At L&A (Y/N), At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Tony Noxon

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C091909				9/19/09	1440	Cell Tower	1		VOC TO-15 X			S-1497
SU-G091909				9/19/09	1440	Campground	1		X			12267
SU-S091909				9/19/09	1440	School	1		X			92017
SU-W091909				9/19/09	1440	Wetland	1		X			7502
SU-COW091909				9/19/09	1440	Co-Located Wetland	1		X			04392

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 9/23/09
~~FED EX # 8694 2482 7674~~
6 CANS / 6 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	9/22/09 16:00	Ryan Henry	9/23/09 1000				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Comments:

Distributor: White - File; Yellow - Lab

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H9I230163

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: Lawhon & Associates
Address: 975 Eastwind Dr., Ste. 190
City/State/Zip: Westerville, Ohio 43081
Phone: (614) 818-5200
FAX: (614) 818-5219
Project Name: Countywide
Site/location: Community
PO # 07-0082

Project Manager: Shawn Ansbro
Phone:
Site Contact:
TAL Contact: Jamie McKinney

Sampled By: Tony Noxon

2 of 2 COCs

Analysis Turnaround Time
Standard (Specify) X
Rush (Specify)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C091909	9/19/09	15:00	15:00	-29.0	5.0	K131	51497	X											
SU-G091909				-29.0	-5.0	K130	12267	X											
SU-S091909				-29.0	-4.5	K318	92017	X											
SU-W091909				-29.5	-4.5	K460	7502	X											
SU-COW091909				-29.5	-3.0	K151	04392	X											

Sampled by :

Temperature (Fahrenheit)

	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)

	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return Can #0184, did not use → may have broken regulator.

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 9/22/09 16:00	Received by:
Relinquished by:	Date/Time:	Received by:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

October 01, 2009

LABORATORY REPORT

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

Work Order: PSI1284
Project Name: Countywide - Ambient Air
Project Number: Countywide / 07-0082
Date Received: 09/23/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 20.9X°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

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

Work Order: PSI1284
Project: Countywide - Ambient Air
Project Number: Countywide / 07-0082

Received: 09/23/09
Reported: 10/01/09 16:32

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C091909-01H	PSI1284-01	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
C091909-02H	PSI1284-02	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
C091909-03H	PSI1284-03	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
G091909-01H	PSI1284-04	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
G091909-02H	PSI1284-05	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
G091909-03H	PSI1284-06	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
S091909-01H	PSI1284-07	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
S091909-02H	PSI1284-08	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
S091909-03H	PSI1284-09	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
W091909-01H	PSI1284-10	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
W091909-02H	PSI1284-11	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
W091909-03H	PSI1284-12	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
091909A-H	PSI1284-13	09/19/09	Silica Gel tube, 200/400 mg Specially cleaned
C091909-01A	PSI1284-14	09/19/09	DNPH Silica Gel Tube, 450 mg
C091909-02A	PSI1284-15	09/19/09	DNPH Silica Gel Tube, 450 mg
C091909-03A	PSI1284-16	09/19/09	DNPH Silica Gel Tube, 450 mg
G091909-01A	PSI1284-17	09/19/09	DNPH Silica Gel Tube, 450 mg
G091909-02A	PSI1284-18	09/19/09	DNPH Silica Gel Tube, 450 mg
G091909-03A	PSI1284-19	09/19/09	DNPH Silica Gel Tube, 450 mg
S091909-01A	PSI1284-20	09/19/09	DNPH Silica Gel Tube, 450 mg
S091909-02A	PSI1284-21	09/19/09	DNPH Silica Gel Tube, 450 mg
S091909-03A	PSI1284-22	09/19/09	DNPH Silica Gel Tube, 450 mg
W091909-01A	PSI1284-23	09/19/09	DNPH Silica Gel Tube, 450 mg
W091909-02A	PSI1284-24	09/19/09	DNPH Silica Gel Tube, 450 mg
W091909-03A	PSI1284-25	09/19/09	DNPH Silica Gel Tube, 450 mg
091909A-A	PSI1284-26	09/19/09	DNPH Silica Gel Tube, 450 mg

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

ANALYTICAL REPORT

Aldehydes and Ketones by EPA TO-11A (Modified)

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSI1284-14 (C091909-01A)		**Tube**		**Sample Air Volume:196.32L**			**Sampled: 09/19/09**	
							Prepared: 09/28/09 12:21	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001528	<0.00002785	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	7.43	0.03785	0.02101	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0714	0.0003637	0.0002019	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	7.36	0.03749	0.02081	IH11, RL7	9/29/2009	zn	0.300	EPA TO-11A
Acetone	5.48	0.02791	0.01175	IH11, IH10	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Back	0.351	0.001788	0.0007527	IH10	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Front	5.13	0.02613	0.011	IH11	9/28/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001528	<0.00006664	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.199	0.001014	0.0002335	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	3.46	0.01762	0.005976	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001528	<0.00005331	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.17	0.01105	0.009	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0546	0.0002781	0.0002264	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.12	0.0108	0.008792	IH11	9/28/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.35	0.01197	0.002922	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001528	<0.00004338	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0412	0.0002099	0.00004271	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.271	0.00138	0.0002809	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.32	0.006724	0.00283	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0760	0.0003871	0.00007878	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.754	0.003841	0.00109	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Sample ID: PSI1284-15 (C091909-02A)		**Tube**		**Sample Air Volume:171.84L**			**Sampled: 09/19/09**	
							Prepared: 09/28/09 12:21	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001746	<0.00003181	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.68	0.009777	0.005426	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0352	0.0002048	0.0001137	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.64	0.009544	0.005297	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	1.56	0.009078	0.003822	IH11, IH10	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.382	0.002223	0.0009358	IH10	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.18	0.006867	0.002891	IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001746	<0.00007614	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0906	0.0005272	0.0001215	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.643	0.003742	0.001269	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0619	0.0003602	0.0001221	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.581	0.003381	0.001146	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001746	<0.0000609	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.710	0.004132	0.003364	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0485	0.0002822	0.0002298	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.662	0.003852	0.003137	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.435	0.002531	0.0006179	IH10	9/29/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.								
Sample ID: PSI1284-15 (C091909-02A) - cont.		**Tube**		**Sample Air Volume:171.84L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
Isovaleraldehyde	0.0428	0.0002491	0.0000707	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0355	0.0002066	0.00004204	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.132	0.0007682	0.0001563	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.323	0.00188	0.0007913	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001746	<0.00003553	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.160	0.0009311	0.0002643	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Sample ID: PSI1284-16 (C091909-03A)		**Tube**		**Sample Air Volume:204.96L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001464	<0.00002667	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.63	0.02259	0.01254	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0694	0.0003386	0.0001879	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.56	0.02225	0.01235	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	2.44	0.0119	0.005012	IH10, IH11	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.619	0.00302	0.001271	IH10	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.82	0.00888	0.003738	IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001464	<0.00006383	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.102	0.0004977	0.0001147	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.56	0.007611	0.002581	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0808	0.0003942	0.0001337	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.48	0.007221	0.002448	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001464	<0.00005106	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.20	0.005855	0.004767	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0535	0.000261	0.0002125	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.15	0.005611	0.004568	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.847	0.004133	0.001009	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0652	0.0003181	0.0000903	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0349	0.0001703	0.00003465	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.152	0.0007416	0.0001509	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.756	0.003689	0.001553	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001464	<0.00002979	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.307	0.001498	0.0004252	IH10	9/29/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSI1284-17 (G091909-01A)		**Tube**		**Sample Air Volume:115.2L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002604	<0.00004745	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.77	0.04141	0.02298	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0733	0.0006363	0.0003532	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.70	0.0408	0.02265	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	3.23	0.02804	0.0118	IH10, IH11	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.350	0.003038	0.001279	IH10	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.88	0.025	0.01052	IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002604	<0.0001136	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.131	0.001137	0.000262	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.76	0.01528	0.00518	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002604	<0.00009084	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.66	0.01441	0.01173	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0619	0.0005373	0.0004375	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.60	0.01389	0.01131	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.47	0.01276	0.003115	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002604	<0.00007393	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0407	0.0003533	0.00007189	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.125	0.001085	0.0002208	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.705	0.00612	0.002576	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0356	0.000309	0.00006289	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.435	0.003776	0.001072	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Sample ID: PSI1284-18 (G091909-02A)		**Tube**		**Sample Air Volume:152.64L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001965	<0.00003581	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.82	0.01192	0.006618	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0460	0.0003014	0.0001673	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.77	0.0116	0.006436	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	1.35	0.008844	0.003723	IH10, IH11	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.401	0.002627	0.001106	IH10	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.946	0.006198	0.002609	IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001965	<0.00008571	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.113	0.0007403	0.0001706	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.578	0.003787	0.001284	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0687	0.0004501	0.0001526	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.509	0.003335	0.001131	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001965	<0.00006856	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.759	0.004972	0.004049	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0536	0.0003512	0.0002859	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.705	0.004619	0.00376	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.617	0.004042	0.0009867	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001965	<0.00005579	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0456	0.0002987	0.00006079	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.108	0.0007075	0.000144	IH10	9/29/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSI1284-18 (G091909-02A) - cont.		**Tube**		**Sample Air Volume:152.64L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
Propionaldehyde	0.317	0.002077	0.0008743	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001965	<0.00004	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.267	0.001749	0.0004966	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Sample ID: PSI1284-19 (G091909-03A)		**Tube**		**Sample Air Volume:143.52L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000209	<0.00003809	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.48	0.03122	0.01733	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0571	0.0003979	0.0002208	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.42	0.0308	0.01709	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	2.56	0.01784	0.007509	IH10, IH11	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.619	0.004313	0.001816	IH10	9/28/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.94	0.01352	0.00569	IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000209	<0.00009116	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.180	0.001254	0.000289	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.52	0.01059	0.003591	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.129	0.0008988	0.0003048	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.39	0.009685	0.003284	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000209	<0.00007292	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.61	0.01122	0.009133	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0505	0.0003519	0.0002865	IH11	9/28/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.56	0.01087	0.00885	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.23	0.00857	0.002092	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0654	0.0004557	0.0001294	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0681	0.0004745	0.00009656	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.169	0.001178	0.0002396	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.725	0.005052	0.002127	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000209	<0.00004254	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.484	0.003372	0.0009573	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Sample ID: PSI1284-20 (S091909-01A)		**Tube**		**Sample Air Volume:111.84L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002682	<0.00004888	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.05	0.0541	0.03003	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0689	0.0006161	0.0003419	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.98	0.05347	0.02968	IH11, RL7	9/29/2009	zn	0.300	EPA TO-11A
Acetone	3.93	0.03514	0.01479	IH10, IH11	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Back	0.311	0.002781	0.001171	IH10	9/28/2009	zn	0.300	EPA TO-11A
Acetone - Front	3.62	0.03237	0.01363	IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002682	<0.000117	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.120	0.001073	0.0002472	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	2.02	0.01806	0.006124	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0378	0.000338	0.0001146	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.98	0.0177	0.006003	IH10	9/29/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSI1284-20 (S091909-01A) - cont.		**Tube**		**Sample Air Volume:111.84L**			**Sampled: 09/19/09**	
							Prepared: 09/28/09 12:21	
Crotonaldehyde	<0.0300	<0.0002682	<0.00009357	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.57	0.01404	0.01143	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0528	0.0004721	0.0003844	IH11	9/28/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.52	0.01359	0.01107	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.27	0.01136	0.002772	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002682	<0.00007615	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002682	<0.00005459	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.146	0.001305	0.0002657	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.869	0.00777	0.003271	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0365	0.0003264	0.00006641	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.362	0.003237	0.0009188	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Sample ID: PSI1284-21 (S091909-02A)		**Tube**		**Sample Air Volume:196.8L**			**Sampled: 09/19/09**	
							Prepared: 09/28/09 12:21	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001524	<0.00002778	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.29	0.006555	0.003638	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0320	0.0001626	0.00009025	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.26	0.006402	0.003554	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	0.920	0.004675	0.001968	IH10, IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001524	<0.00006648	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0645	0.0003277	0.00007551	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.418	0.002124	0.0007202	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0303	0.000154	0.0000522	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.388	0.001972	0.0006685	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001524	<0.00005318	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.469	0.002383	0.00194	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0346	0.0001758	0.0001431	IH11	9/28/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.434	0.002205	0.001796	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.365	0.001855	0.0004527	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0487	0.0002475	0.00007025	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0339	0.0001723	0.00003505	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0644	0.0003272	0.00006659	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.226	0.001148	0.0004834	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001524	<0.00003102	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.159	0.0008079	0.0002293	IH10	9/29/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSI1284-22 (S091909-03A)		**Tube**		**Sample Air Volume:232.8L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001289	<0.00002348	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.47	0.0192	0.01066	IH11, IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0617	0.000265	0.0001471	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.41	0.01894	0.01051	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	2.67	0.01147	0.004828	IH10, IH11	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.426	0.00183	0.0007703	IH10	9/28/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.24	0.009622	0.004051	IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001289	<0.0000562	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.165	0.0007088	0.0001633	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.44	0.006186	0.002097	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0585	0.0002513	0.0000852	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.38	0.005928	0.00201	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001289	<0.00004495	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.61	0.006916	0.005631	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0476	0.0002045	0.0001665	IH11	9/28/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.56	0.006701	0.005456	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.05	0.00451	0.001101	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0831	0.000357	0.0001013	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0483	0.0002075	0.00004222	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.251	0.001078	0.0002194	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.741	0.003183	0.00134	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001289	<0.00002622	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.335	0.001439	0.0004085	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Sample ID: PSI1284-23 (W091909-01A)		**Tube**		**Sample Air Volume:186.24L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001611	<0.00002935	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.12	0.02749	0.01526	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0459	0.0002465	0.0001368	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.07	0.02722	0.01511	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	3.60	0.01933	0.008137	IH10, IH11	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.554	0.002975	0.001252	IH10	9/28/2009	zn	0.300	EPA TO-11A
Acetone - Front	3.05	0.01638	0.006894	IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001611	<0.00007025	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.156	0.0008376	0.000193	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.92	0.01031	0.003496	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0725	0.0003893	0.000132	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.85	0.009933	0.003368	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001611	<0.00005619	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.81	0.009719	0.007913	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0473	0.000254	0.0002068	IH11	9/28/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.76	0.00945	0.007694	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.44	0.007732	0.001887	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001611	<0.00004573	IH10	9/29/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSI1284-23 (W091909-01A) - cont.		**Tube**		**Sample Air Volume:186.24L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
m-Tolualdehyde	0.0324	0.000174	0.0000354	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.181	0.0009719	0.0001978	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.807	0.004333	0.001824	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0406	0.000218	0.00004436	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.441	0.002368	0.0006722	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Sample ID: PSI1284-24 (W091909-02A)		**Tube**		**Sample Air Volume:169.44L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001771	<0.00003226	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.925	0.005459	0.00303	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0306	0.0001806	0.0001002	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.894	0.005276	0.002929	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	0.813	0.004798	0.00202	IH11, IH10	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001771	<0.00007721	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0575	0.0003394	0.00007819	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.312	0.001841	0.0006243	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001771	<0.00006176	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.429	0.002532	0.002061	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0449	0.000265	0.0002158	IH11	9/28/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.384	0.002266	0.001845	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.266	0.00157	0.0003832	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001771	<0.00005026	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001771	<0.00003603	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0499	0.0002945	0.00005993	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.146	0.0008617	0.0003627	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001771	<0.00003603	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.106	0.0006256	0.0001776	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Sample ID: PSI1284-25 (W091909-03A)		**Tube**		**Sample Air Volume:169.92L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/28/09 12:21**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001766	<0.00003217	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.09	0.02407	0.01336	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0518	0.0003048	0.0001692	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.04	0.02378	0.0132	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	2.65	0.0156	0.006565	IH10, IH11	9/29/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.396	0.002331	0.0009811	IH10	9/28/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.25	0.01324	0.005574	IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001766	<0.000077	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.135	0.0007945	0.0001831	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.37	0.008063	0.002734	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0491	0.000289	0.00009798	IH10	9/28/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.32	0.007768	0.002634	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001766	<0.00006159	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.61	0.009475	0.007714	IH11	9/29/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSI1284-25 (W091909-03A) - cont.		**Tube**		**Sample Air Volume:169.92L**			**Sampled: 09/19/09**	
							Prepared: 09/28/09 12:21	
Formaldehyde - Back	0.0506	0.0002978	0.0002425	IH11	9/28/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.56	0.009181	0.007475	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.909	0.00535	0.001306	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0638	0.0003755	0.0001066	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0375	0.0002207	0.00004491	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.190	0.001118	0.0002275	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.644	0.00379	0.001595	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001766	<0.00003593	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.318	0.001871	0.0005313	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Sample ID: PSI1284-26 (091909A-A)		**Tube**		**Sample Air Volume:L**			**Sampled: 09/19/09**	
							Prepared: 09/28/09 12:21	
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0335	--	--	IH10, IH11	9/29/2009	zn	0.0300	EPA TO-11A
Acetone	0.404	--	--	IH10, IH11	9/29/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.0542	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.140	--	--	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0418	--	--	IH11	9/28/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.0984	--	--	IH11	9/29/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	9/29/2009	zn	0.0300	EPA TO-11A

(e) = Analyte concentration > 10% of front result indicates possible breakthrough

Inorganic Acids by NIOSH 7903 (Modified)

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSI1284-01 (C091909-01H)		**Tube**		**Sample Air Volume:141.6L**			**Sampled: 09/19/09**	
							Prepared: 09/24/09 12:00	
Hydrochloric Acid	<2.12	<0.01497	<0.01004	IH10	9/24/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.0154	<0.01881	IH10	9/24/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-02 (C091909-02H)		**Tube**		**Sample Air Volume:151.68L**			**Sampled: 09/19/09**	
							Prepared: 09/24/09 12:00	
Hydrochloric Acid	<2.12	<0.01398	<0.009373	IH10	9/24/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01437	<0.01756	IH10	9/24/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-03 (C091909-03H)		**Tube**		**Sample Air Volume:147.36L**			**Sampled: 09/19/09**	
							Prepared: 09/24/09 12:00	
Hydrochloric Acid	<2.12	<0.01439	<0.009648	IH10	9/24/2009	AY	2.12	NIOSH 7903 (MOD)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

Inorganic Acids by NIOSH 7903 (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSI1284-03 (C091909-03H) - cont.		**Tube**		**Sample Air Volume:147.36L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/24/09 12:00**	
Hydrofluoric Acid	<2.18	<0.01479	<0.01808	IH10	9/24/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-04 (G091909-01H)		**Tube**		**Sample Air Volume:114.24L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/24/09 12:00**	
Hydrochloric Acid	<2.12	<0.01856	<0.01244	IH10	9/24/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01908	<0.02332	IH10	9/24/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-05 (G091909-02H)		**Tube**		**Sample Air Volume:89.28L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/24/09 12:00**	
Hydrochloric Acid	<2.12	<0.02375	<0.01592	IH10	9/24/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02442	<0.02984	IH10	9/24/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-06 (G091909-03H)		**Tube**		**Sample Air Volume:100.32L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/24/09 12:00**	
Hydrochloric Acid	<2.12	<0.02113	<0.01417	IH10	9/24/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02173	<0.02655	IH10	9/24/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-07 (S091909-01H)		**Tube**		**Sample Air Volume:96.48L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/24/09 12:00**	
Hydrochloric Acid	<2.12	<0.02197	<0.01474	IH10	9/24/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.0226	<0.02761	IH10	9/24/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-08 (S091909-02H)		**Tube**		**Sample Air Volume:189.12L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/24/09 12:00**	
Hydrochloric Acid	<2.12	<0.01121	<0.007517	IH10	9/24/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01153	<0.01408	IH10	9/24/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-09 (S091909-03H)		**Tube**		**Sample Air Volume:161.76L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/24/09 12:00**	
Hydrochloric Acid	<2.12	<0.01311	<0.008789	IH10	9/24/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01348	<0.01647	IH10	9/24/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-10 (W091909-01H)		**Tube**		**Sample Air Volume:132L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/24/09 12:00**	
Hydrochloric Acid	<2.12	<0.01606	<0.01077	IH10	9/25/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01652	<0.02018	IH10	9/25/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-11 (W091909-02H)		**Tube**		**Sample Air Volume:133.92L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/24/09 12:00**	
Hydrochloric Acid	<2.12	<0.01583	<0.01062	IH10	9/25/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01628	<0.01989	IH10	9/25/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-12 (W091909-03H)		**Tube**		**Sample Air Volume:117.6L**			**Sampled: 09/19/09**	
	ug, Total	mg/m3	ppm				**Prepared: 09/24/09 12:00**	
Hydrochloric Acid	<2.12	<0.01803	<0.01209	IH10	9/25/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01854	<0.02265	IH10	9/25/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSI1284-13 (091909A-H)		**Tube**		**Sample Air Volume:L**			**Sampled: 09/19/09**	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Inorganic Acids by NIOSH 7903 (Modified) - cont.								
Sample ID: PSI1284-13 (091909A-H) - cont.		**Tube**		**Sample Air Volume:L**			**Sampled: 09/19/09**	
							Prepared: 09/24/09 12:00	
Hydrochloric Acid	<2.12	--	--	IH10	9/25/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	--	--	IH10	9/25/2009	AY	2.18	NIOSH 7903 (MOD)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)							
P9I2820-BLK1							
Formaldehyde	0.07021		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Formaldehyde - Back	0.03623		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Acetaldehyde	0.03172		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Acetaldehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Acrolein	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Acrolein - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Acetone	0.4845		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Acetone - Back	<0.300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Propionaldehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Crotonaldehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Butyraldehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Benzaldehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Isovaleraldehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Valeraldehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
o-Tolualdehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
m-Tolualdehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
p-Tolualdehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Hexaldehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9I2820		P9I2820-BLK1	09-28-2009
Inorganic Acids by NIOSH 7903 (Modified)							
P9I2426-BLK1							
Hydrochloric Acid	<2.12	IH10	ug, Total	P9I2426		P9I2426-BLK1	09-24-2009
Hydrochloric Acid - Back	<2.12	IH10	ug, Total	P9I2426		P9I2426-BLK1	09-24-2009
Hydrofluoric Acid	<2.18	IH10	ug, Total	P9I2426		P9I2426-BLK1	09-24-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)							
P9I2426-BLK1							
Hydrofluoric Acid - Back	<2.18	IH10	ug, Total	P9I2426		P9I2426-BLK1	09-24-2009

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9I2820-DUP1									
Formaldehyde	2.120	2.112	IH11	ug, Total	0.378	10	P9I2820	PSI1284-14	09-28-2009
Acetaldehyde	7.360	7.364	IH11, RL7	ug, Total	0.0543	10	P9I2820	PSI1284-14	09-29-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9I2820	PSI1284-14	09-28-2009
Acetone	5.130	5.136	IH11	ug, Total	0.117	10	P9I2820	PSI1284-14	09-28-2009
Propionaldehyde	1.320	1.324	IH10	ug, Total	0.303	10	P9I2820	PSI1284-14	09-28-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9I2820	PSI1284-14	09-28-2009
Butyraldehyde	3.460	3.454	IH10	ug, Total	0.174	10	P9I2820	PSI1284-14	09-28-2009
Benzaldehyde	0.1990	0.1984	IH10	ug, Total	0.302	10	P9I2820	PSI1284-14	09-28-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9I2820	PSI1284-14	09-28-2009
Valeraldehyde	0.7540	0.7607	IH10	ug, Total	0.885	10	P9I2820	PSI1284-14	09-28-2009
o-Tolualdehyde	0.2710	0.2764	IH10	ug, Total	1.97	10	P9I2820	PSI1284-14	09-28-2009
m-Tolualdehyde	0.04120	0.04057	IH10	ug, Total	1.54	10	P9I2820	PSI1284-14	09-28-2009
p-Tolualdehyde	0.07600	0.07799	IH10	ug, Total	2.58	10	P9I2820	PSI1284-14	09-28-2009
Hexaldehyde	2.350	2.348	IH10	ug, Total	0.0851	10	P9I2820	PSI1284-14	09-28-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9I2820	PSI1284-14	09-28-2009
P9I2820-DUP2									
Formaldehyde	0.3840	0.3840	IH11	ug, Total	0.00000 0869	10	P9I2820	PSI1284-24	09-29-2009
Acetaldehyde	0.8940	0.8915	IH11	ug, Total	0.28	10	P9I2820	PSI1284-24	09-29-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9I2820	PSI1284-24	09-29-2009
Acetone	0.8130	0.8122	IH11	ug, Total	0.0984	10	P9I2820	PSI1284-24	09-29-2009
Propionaldehyde	0.1460	0.1433	IH10	ug, Total	1.87	10	P9I2820	PSI1284-24	09-29-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9I2820	PSI1284-24	09-29-2009
Butyraldehyde	0.3120	0.3088	IH10	ug, Total	1.03	10	P9I2820	PSI1284-24	09-29-2009
Benzaldehyde	0.05750	0.05650	IH10	ug, Total	1.75	10	P9I2820	PSI1284-24	09-29-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9I2820	PSI1284-24	09-29-2009
Valeraldehyde	0.1060	0.1088	IH10	ug, Total	2.61	10	P9I2820	PSI1284-24	09-29-2009
o-Tolualdehyde	0.04990	0.04569	IH10	ug, Total	8.81	10	P9I2820	PSI1284-24	09-29-2009
m-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9I2820	PSI1284-24	09-29-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9I2820	PSI1284-24	09-29-2009
Hexaldehyde	0.2660	0.2594	IH10	ug, Total	2.51	10	P9I2820	PSI1284-24	09-29-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9I2820	PSI1284-24	09-29-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9I2820-BS1								
Formaldehyde	0.45	0.4941	IH11	ug, Total	110%	22-134	P9I2820	09-28-2009
Acetaldehyde	0.45	0.4388	IH11	ug, Total	98%	51-142	P9I2820	09-28-2009
Acrolein	0.45	0.2278	IH10, L2	ug, Total	51%	75-125	P9I2820	09-28-2009
Acetone	0.45	0.8907	IH11, L1	ug, Total	198%	75-125	P9I2820	09-28-2009
Propionaldehyde	0.45	0.6137	IH10	ug, Total	136%	67-145	P9I2820	09-28-2009
Crotonaldehyde	0.45	0.3562	IH10	ug, Total	79%	66-146	P9I2820	09-28-2009
Butyraldehyde	0.45	0.4775	IH10	ug, Total	106%	56-141	P9I2820	09-28-2009
Benzaldehyde	0.45	0.4251	IH10	ug, Total	95%	57-142	P9I2820	09-28-2009
Isovaleraldehyde	0.45	0.4144	IH10	ug, Total	92%	66-144	P9I2820	09-28-2009
Valeraldehyde	0.45	0.4334	IH10	ug, Total	96%	66-144	P9I2820	09-28-2009
o-Tolualdehyde	0.45	0.4297	IH10	ug, Total	96%	39-130	P9I2820	09-28-2009
m-Tolualdehyde	0.45	0.4082	IH10	ug, Total	91%	73-143	P9I2820	09-28-2009
p-Tolualdehyde	0.45	0.4025	IH10	ug, Total	89%	66-147	P9I2820	09-28-2009
Hexaldehyde	0.45	0.4266	IH10	ug, Total	95%	65-145	P9I2820	09-28-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4044	IH10	ug, Total	90%	75-144	P9I2820	09-28-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9I2426-BS1								
Hydrochloric Acid	10.3	10.62	IH10	ug, Total	103%	70-130	P9I2426	09-24-2009
Hydrofluoric Acid	10.5	9.129	IH10	ug, Total	87%	70-130	P9I2426	09-24-2009

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)												
P9I2820-BSD1												
Formaldehyde		0.5019	IH11	ug, Total	0.45	112%	22-134	1.57	20	P9I2820		09-28-2009
Acetaldehyde		0.4476	IH11	ug, Total	0.45	100%	51-142	1.99	20	P9I2820		09-28-2009
Acrolein		0.2306	IH10, L2	ug, Total	0.45	51%	75-125	1.22	20	P9I2820		09-28-2009
Acetone		0.8856	IH11, L1	ug, Total	0.45	197%	75-125	0.574	20	P9I2820		09-28-2009
Propionaldehyde		0.6470	IH10	ug, Total	0.45	144%	67-145	5.28	20	P9I2820		09-28-2009
Crotonaldehyde		0.3510	IH10	ug, Total	0.45	78%	66-146	1.47	20	P9I2820		09-28-2009
Butyraldehyde		0.4633	IH10	ug, Total	0.45	103%	56-141	3.02	20	P9I2820		09-28-2009
Benzaldehyde		0.4219	IH10	ug, Total	0.45	94%	57-142	0.756	20	P9I2820		09-28-2009
Isovaleraldehyde		0.4228	IH10	ug, Total	0.45	94%	66-144	2.01	20	P9I2820		09-28-2009
Valeraldehyde		0.4458	IH10	ug, Total	0.45	99%	66-144	2.82	20	P9I2820		09-28-2009
o-Tolualdehyde		0.4424	IH10	ug, Total	0.45	98%	39-130	2.91	20	P9I2820		09-28-2009
m-Tolualdehyde		0.4146	IH10	ug, Total	0.45	92%	73-143	1.56	20	P9I2820		09-28-2009
p-Tolualdehyde		0.4137	IH10	ug, Total	0.45	92%	66-147	2.74	20	P9I2820		09-28-2009
Hexaldehyde		0.4362	IH10	ug, Total	0.45	97%	65-145	2.23	20	P9I2820		09-28-2009
2,5-Dimethyl Benzaldehyde		0.4151	IH10	ug, Total	0.45	92%	75-144	2.61	20	P9I2820		09-28-2009
Inorganic Acids by NIOSH 7903 (Modified)												

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)												
P9I2426-BSD1												
Hydrochloric Acid		11.39	IH10	ug, Total	10.3	111%	70-130	7	30	P9I2426		09-24-2009
Hydrofluoric Acid		9.768	IH10	ug, Total	10.5	93%	70-130	6.76	30	P9I2426		09-24-2009

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSI1284 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 09/23/09 Reported: 10/01/09 16:32	

DATA QUALIFIERS AND DEFINITIONS

IH10	Target analyte was not detected in the method blank at or above the reporting limit. The QC samples and client sample(s) were not blank corrected.
IH11	Target analyte was detected in the method blank at or above the reporting limit. The background was not subtracted from the QC samples or the client's sample(s).
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
RL7	Sample required dilution due to high concentration of target analyte.

ADDITIONAL COMMENTS

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

~~929~~ 975 Eastwind Drive, Suite ~~211~~ 190
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2110 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0700~~
~~Fax: (216) 737-6109~~

№ 8511

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7663
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SW-Surface Water, GW-Groundwater, SD-Sediment, WW-Wastewater, O-Other AIR

Containers Intact: At L&A Y/N; At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: County wide

Sampler (print): Tony Noxon

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method: HF	HCl	NIOSH 7903											Expected Conc. (H,M,L)	Hold	Remarks: Sample Flow Rate
C091909-01H				9/19/09	480	Cell Tower	1		X	X	X			PSI	1284	-1								0.295 l/min
C091909-02H				9/19/09	480	Cell Tower	1		X	X	X					-2								0.316 "
C091909-03H				9/19/09	480	Cell Tower	1		X	X	X					-3								0.307 "
G091909-01H				9/19/09	480	Campground	1		X	X	X					-4								0.238 l/min
G091909-02H				9/19/09	480	Campground	1		X	X	X					-5								0.186 "
G091909-03H				9/19/09	480	Campground	1		X	X	X					-6								0.209 "
S091909-01H				9/19/09	480	School	1		X	X	X					-7								0.201 l/min
S091909-02H				9/19/09	480	School	1		X	X	X					-8								0.394 "
S091909-03H				9/19/09	480	School	1		X	X	X					-9								0.337 "
W091909-01H				9/19/09	480	Wetland	1		X	X	X					-10								0.275 l/min
W091909-02H				9/19/09	480	Wetland	1		X	X	X					-11								0.279 "
W091909-03H				9/19/09	480	Wetland	1		X	X	X					-12								0.245 "
091909A-1H				9/19/09	—	Field Blank	1		X	X	X					-13								No Flow Field Blank

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	9/22/09 1600						
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
				[signature]		[signature]	9-23-09 1030

Comments: 20.9°C Custody Seals

Distributor: White - File; Yellow - Lab

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

975 ~~929~~ Eastwind Drive, Suite 190 ~~211~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2715 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0100~~
~~Fax: (216) 737-0109~~

№ 8514

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: [redacted] 8694 2487 7663
Page 2 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SW-Surface Water, GW-Groundwater, SD-Sediment, WW-Wastewater, O-Other AIR

Containers Intact: At L&A Y/N; At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Tony Noxon

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: Alcohol	Acetone	Carbon									Expected Conc. (H,M,L)	Hold	Remarks: Sample Flow Rate
C091909-01A				9/19/09	480	Cell Tower	1			X	X	X				PSI 1284		-14					0.409 l/min
C091909-02A				9/19/09	480	Cell Tower	1			X	X	X						-15					0.358 "
C091909-03A				9/19/09	480	Cell Tower	1			X	X	X						-16					0.427 "
G091909-01A				9/19/09	480	Campground	1			X	X	X						-17					0.240 l/min
G091909-02A				9/19/09	480	Campground	1			X	X	X						-18					0.318 "
G091909-03A				9/19/09	480	Campground	1			X	X	X						-19					0.299 "
S091909-01A				9/19/09	480	School	1			X	X	X						-20					0.233 l/min
S091909-02A				9/19/09	480	School	1			X	X	X						-21					0.410 "
S091909-03A				9/19/09	480	School	1			X	X	X						-22					0.485 "
W091909-01A				9/19/09	480	Wetland	1			X	X	X						-23					0.388 l/min
W091909-02A				9/19/09	480	Wetland	1			X	X	X						-24					0.353 "
W091909-03A				9/19/09	480	Wetland	1			X	X	X						-25					0.354 "
091909A-A				9/19/09		Field Blank	1			X	X	X						-26					No Flow Field Blank

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	9/22/09 1600						
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
						[signature]	9-23-09 1050

Comments: 20.9°C Custody Seals

Distributor: White - File; Yellow - Lab

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #30

November 20, 2009

APPENDIX B. Laboratory Analytical Results from Event #143:
Friday, September 25 to Saturday, September 26, 2009

Test America Laboratories-Knoxville: EPA Method TO-15M
Test America Laboratories-Phoenix: EPA Method TO-11A, NIOSH 7903

SAMPLE SUMMARY

H9J010193

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LLTGL	001	SU-C092509	09/25/09	
LLTGR	002	SU-G092509	09/25/09	
LLTGV	003	SU-S092509	09/25/09	
LLTGW	004	SU-W092509	09/25/09	
LLTG2	005	SU-COC092509	09/25/09	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H9J010193

The results reported herein are applicable to the samples submitted for analysis only.

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

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verification analyzed on 10/02/09 exhibited a % difference of > 30% for acetone, hexachlorobutadiene and benzyl chloride, the results were within the LCS acceptance limits.

Although acetone and benzyl chloride are flagged as being outside recovery limits in the laboratory control sample for batch 9278140, the laboratory control sample is in control. The standard operating procedure allows for 2 analytes to be outside the control limits, but within marginal exceedence limit.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Lab #88-0688, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Lab #PH-0223, Florida DOH Lab #E87177, Georgia DNR Lab #906, Hawaii DOH, Illinois EPA Lab #200012, Indiana DOH Lab #C-TN-02, Iowa DNR Lab #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH, Maryland DOE Cert. #277, Michigan DEQ Lab #9933, Nevada DEP, New Jersey DEP Lab #TN001, New York DOH Lab #10781, North Carolina DPH Lab #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Lab #CL0059, Oklahoma DEQ Lab #9415, Pennsylvania DEP Lab #68-00576, South Carolina DHEC Cert #84001001, Tennessee DOH Lab #02014, Texas CEQ, Utah DOH Lab # QUAN3, Virginia DGS Lab #00165, Washington DOE Lab #C1314, West Virginia DEP Cert. #345, West Virginia DHHR Cert #9955C, Wisconsin DNR Lab #998044300, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

PROJECT NARRATIVE
H9J010193

The daily standard and laboratory control sample recovery for hexachlorobutadiene was above QC limits for batch 9278140. However, since the recovery was high, and hexachlorobutadiene was not detected above the reporting limit in the associated samples, the validity of the data is unaffected.

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-C092509

GC/MS Volatiles

Lot-Sample # H9J010193 - 001 **Work Order #** LLTGL1AA **Matrix.....:** AIR

Date Sampled...: 09/25/2009 **Date Received..:** 10/01/2009
Prep Date.....: 10/02/2009 **Analysis Date...** 10/02/2009
Prep Batch #.....: 9278140
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**9.3**	**5.0**	**22**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.30**	**0.20**	**1.7**		**1.1**
n-Heptane	**0.16**	**0.50**	**0.65**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.40**	**0.50**	**1.4**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.18**	**2.0**	**0.54**	**J**	**6.1**
Methylene chloride	**1.1**	**0.50**	**3.9**	**B**	**1.7**
Benzene	**0.19**	**0.20**	**0.59**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.27**	**0.20**	**1.0**		**0.75**
1,2,4-Trichlorobenzene	**0.10**	**1.0**	**0.75**	**J**	**7.4**
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.081**	**0.20**	**0.62**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.073**	**0.20**	**0.36**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.13**	**0.20**	**0.57**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.72**	**1.0**	**2.1**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.060**	**0.50**	**0.25**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.10**	**0.20**	**0.63**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C092509

GC/MS Volatiles

Lot-Sample # H9J010193 - 001 Work Order # LLTGL1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.81**	**0.50**	**1.7**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.054**	**0.50**	**0.19**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.58**	**0.20**	**2.9**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	109	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-G092509

GC/MS Volatiles

Lot-Sample # H9J010193 - 002 **Work Order #** LLTGR1AA **Matrix.....:** AIR

Date Sampled...: 09/25/2009 **Date Received..:** 10/01/2009
Prep Date.....: 10/02/2009 **Analysis Date...** 10/02/2009
Prep Batch #.....: 9278140
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**13**	**5.0**	**32**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.27**	**0.20**	**1.5**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.29**	**0.50**	**1.0**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.058**	**0.50**	**0.27**	**J**	**2.3**
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.56**	**0.50**	**2.0**	**B**	**1.7**
Benzene	**0.18**	**0.20**	**0.58**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.31**	**0.20**	**1.2**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.080**	**0.20**	**0.61**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.083**	**0.20**	**0.41**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.17**	**0.20**	**0.76**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.7**	**1.0**	**4.9**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.069**	**0.50**	**0.28**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.17**	**0.50**	**0.53**	**J**	**1.6**
Carbon tetrachloride	**0.098**	**0.20**	**0.61**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G092509

GC/MS Volatiles

Lot-Sample # H9J010193 - 002 Work Order # LLTGR1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.63**	**0.50**	**1.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.061**	**0.50**	**0.21**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.56**	**0.20**	**2.8**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	111	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-S092509

GC/MS Volatiles

Lot-Sample #	H9J010193 - 003	**Work Order #**	LLTGV1AA	**Matrix.....:**	AIR

Date Sampled...:	09/25/2009	**Date Received..:**	10/01/2009
Prep Date.....:	10/02/2009	**Analysis Date...**	10/02/2009
Prep Batch #.....:	9278140		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**18**	**5.0**	**42**		**12**
Ethylbenzene	**0.082**	**0.20**	**0.36**	**J**	**0.87**
Trichlorofluoromethane	**0.27**	**0.20**	**1.5**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.43**	**0.50**	**1.5**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.10**	**0.50**	**0.47**	**J**	**2.3**
tert-Butyl alcohol	**0.17**	**2.0**	**0.53**	**J**	**6.1**
Methylene chloride	**0.67**	**0.50**	**2.3**	**B**	**1.7**
Benzene	**0.27**	**0.20**	**0.88**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.072**	**1.0**	**0.21**	**J**	**2.9**
Toluene	**0.48**	**0.20**	**1.8**		**0.75**
1,2,4-Trichlorobenzene	**0.10**	**1.0**	**0.77**	**J**	**7.4**
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.078**	**0.20**	**0.59**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.17**	**0.20**	**0.86**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.12**	**0.20**	**0.51**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.28**	**0.20**	**1.2**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.3**	**1.0**	**6.7**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.15**	**0.50**	**0.63**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.73**	**0.50**	**2.3**		**1.6**
Carbon tetrachloride	**0.092**	**0.20**	**0.58**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S092509

GC/MS Volatiles

Lot-Sample # H9J010193 - 003 Work Order # LLTGV1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.48**	**0.50**	**0.98**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.086**	**0.50**	**0.30**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.55**	**0.20**	**2.7**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	108	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-W092509

GC/MS Volatiles

Lot-Sample #	H9J010193 - 004	**Work Order #**	LLTGW1AA	**Matrix.....:**	AIR

Date Sampled...:	09/25/2009	**Date Received..:**	10/01/2009
Prep Date.....:	10/02/2009	**Analysis Date...**	10/02/2009
Prep Batch #.....:	9278140		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**23**	**5.0**	**54**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.27**	**0.20**	**1.5**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.32**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.044**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	**0.11**	**2.0**	**0.34**	**J**	**6.1**
Methylene chloride	**0.65**	**0.50**	**2.3**	**B**	**1.7**
Benzene	**0.17**	**0.20**	**0.54**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.25**	**0.20**	**0.95**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.082**	**0.20**	**0.63**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.088**	**0.20**	**0.43**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.13**	**0.20**	**0.58**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.9**	**1.0**	**8.6**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.21**	**0.50**	**0.85**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.065**	**0.50**	**0.20**	**J**	**1.6**
Carbon tetrachloride	**0.091**	**0.20**	**0.57**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W092509

GC/MS Volatiles

Lot-Sample # H9J010193 - 004 Work Order # LLTGW1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	**0.056**	**0.20**	**0.15**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.61**	**0.50**	**1.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.068**	**0.50**	**0.23**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.56**	**0.20**	**2.8**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	108	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-COC092509

GC/MS Volatiles

Lot-Sample #	H9J010193 - 005	Work Order #	LLTG21AA	Matrix.....:	AIR

Date Sampled...:	09/25/2009	Date Received..:	10/01/2009
Prep Date.....:	10/02/2009	Analysis Date...	10/02/2009
Prep Batch #.....:	9278140		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.8**	**5.0**	**16**		**12**
Ethylbenzene	**0.48**	**0.20**	**2.1**		**0.87**
Trichlorofluoromethane	**0.28**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.31**	**0.50**	**1.3**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.22**	**0.50**	**0.76**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.19**	**0.50**	**0.90**	**J**	**2.3**
tert-Butyl alcohol	**0.066**	**2.0**	**0.20**	**J**	**6.1**
Methylene chloride	**0.51**	**0.50**	**1.8**	**B**	**1.7**
Benzene	**0.17**	**0.20**	**0.54**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**3.5**	**0.20**	**13**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.086**	**0.20**	**0.66**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.073**	**0.20**	**0.36**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.22**	**0.20**	**0.95**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.84**	**0.20**	**3.6**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.60**	**1.0**	**1.8**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.13**	**0.50**	**0.54**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.10**	**0.20**	**0.64**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COC092509

GC/MS Volatiles

Lot-Sample # H9J010193 - 005 **Work Order #** LLTG21AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.53**	**0.50**	**1.1**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.57**	**0.20**	**2.8**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	107	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9J050000 - 140B	**Work Order #**	LL1A51AA	**Matrix.....:**	AIR
	09/29/2009	**Date Received..:**	09/30/2009		
Prep Date.....:	10/02/2009	**Analysis Date...**	10/02/2009		
Prep Batch #.....:	9278140				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	ND	5.0	ND		12
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	ND	0.20	ND		1.1
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	ND	0.50	ND		1.8
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.055**	**0.50**	**0.19**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9J050000 - 140B Work Order # LL1A51AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	ND	0.50	ND	1.0
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	ND	0.20	ND	0.99
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	107	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9J050000 - 140C **Work Order #** LL1A51AC **Matrix.....:** AIR

09/29/2009 **Date Received..:** 09/30/2009

Prep Date.....: 10/02/2009 **Analysis Date...** 10/02/2009

Prep Batch #.....: 9278140

Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY		RECOVERY LIMITS
trans-1,3-Dichloropropene	2.50	2.71	11	12	109		70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.50	3.14	17	22	126		60 - 140
Acetone	2.50	3.59	5.9	8.5	144	a	60 - 140
Ethylbenzene	2.50	2.76	11	12	111		70 - 130
Trichlorofluoromethane	2.50	2.93	14	16	117		60 - 140
n-Heptane	2.50	3.00	10	12	120		70 - 130
Hexachlorobutadiene	2.50	3.77	27	40	151	a	60 - 140
n-Hexane	2.50	2.73	8.8	9.6	109		70 - 130
2,2,4-Trimethylpentane	2.50	3.13	12	15	125		70 - 130
tert-Butyl alcohol	2.50	2.76	7.6	8.4	111		60 - 140
Methylene chloride	2.50	3.13	8.7	11	125		70 - 130
Benzene	2.50	2.93	8.0	9.4	117		70 - 130
Styrene	2.50	2.83	11	12	113		70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.86	17	20	114		70 - 130
Tetrachloroethene	2.50	2.88	17	20	115		70 - 130
Tetrahydrofuran	2.50	2.86	7.4	8.4	114		70 - 130
Toluene	2.50	2.64	9.4	9.9	106		70 - 130
1,2,4-Trichlorobenzene	2.50	3.62	19	27	145	a	60 - 140
1,1,1-Trichloroethane	2.50	2.72	14	15	109		70 - 130
1,1,2-Trichloroethane	2.50	2.72	14	15	109		70 - 130
Trichloroethene	2.50	2.72	13	15	109		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.50	2.67	19	20	107		70 - 130
1,2,4-Trimethylbenzene	2.50	3.03	12	15	121		70 - 130
1,3,5-Trimethylbenzene	2.50	3.02	12	15	121		70 - 130
Vinyl chloride	2.50	2.69	6.4	6.9	108		70 - 130
o-Xylene	2.50	2.90	11	13	116		70 - 130
Methyl tert-butyl ether	2.50	2.74	9.0	9.9	110		60 - 140
m-Xylene & p-Xylene	5.00	5.74	22	25	115		70 - 130
Bromodichloromethane	2.50	3.07	17	21	123		70 - 130
1,2-Dibromoethane (EDB)	2.50	2.76	19	21	111		70 - 130
2-Butanone (MEK)	2.50	2.69	7.4	7.9	107		60 - 140
4-Methyl-2-pentanone (MIBK)	2.50	2.96	10	12	118		60 - 140
Vinyl bromide	2.50	2.81	11	12	113		60 - 140
Bromoform	2.50	3.03	26	31	121		70 - 130
Bromomethane	2.50	2.89	9.7	11	115		70 - 130
1,3-Butadiene	2.50	2.90	5.5	6.4	116		60 - 140
4-Ethyltoluene	2.50	3.06	12	15	122		70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9J050000 - 140C Work Order # LL1A51AC Matrix.....: AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Carbon disulfide	2.50	2.98	7.8	9.3	119	70 - 130
Carbon tetrachloride	2.50	3.06	16	19	122	70 - 130
Chlorobenzene	2.50	2.76	12	13	110	70 - 130
Dibromochloromethane	2.50	2.93	21	25	117	70 - 130
Chloroethane	2.50	2.67	6.6	7.0	107	70 - 130
Chloroform	2.50	2.72	12	13	109	70 - 130
Chloromethane	2.50	3.13	5.2	6.5	125	60 - 140
3-Chloropropene	2.50	2.74	7.8	8.6	109	70 - 130
2-Chlorotoluene	2.50	3.01	13	16	120	70 - 130
Cyclohexane	2.50	3.24	8.6	11	129	70 - 130
1,2-Dichlorobenzene	2.50	2.87	15	17	115	70 - 130
1,3-Dichlorobenzene	2.50	2.80	15	17	112	70 - 130
1,4-Dichlorobenzene	2.50	2.82	15	17	113	70 - 130
Dichlorodifluoromethane	2.50	3.14	12	16	125	60 - 140
1,1-Dichloroethane	2.50	2.86	10	12	114	70 - 130
1,2-Dichloroethane	2.50	2.97	10	12	119	70 - 130
1,1-Dichloroethene	2.50	2.59	9.9	10	104	70 - 130
cis-1,2-Dichloroethene	2.50	2.65	9.9	10	106	70 - 130
trans-1,2-Dichloroethene	2.50	2.70	9.9	11	108	70 - 130
1,2-Dichloropropane	2.50	2.88	12	13	115	70 - 130
cis-1,3-Dichloropropene	2.50	2.95	11	13	118	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	109	60 - 140

Qualifiers

a Spiked analyte recovery is outside stated control limits.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Receipt Documentation

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

975 ~~929~~ Eastwind Drive, Suite 190 ~~211~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

2716 Freemary Avenue
Cleveland, OH 44113
Phone: (216) 737-0100
Fax: (216) 737-6188

H9J010193

№ 8519

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7722
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SD-Sediment, SW-Surface Water, WW-Wastewater, GW-Groundwater, O-Other AIR

Containers Intact: At L&A Y/N; At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Method TO-15	Analysis VOC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C092509				9/25/09	1440	Cell Tower	1			X			6652
SU-G092509				9/25/09	1440	Campground	1			X			11148
SU-S092509				9/25/09	1440	School	1			X			62278N
SU-W092509				9/25/09	1440	Wetland	1			X			6128
SU-COC092509				9/25/09	1440	Co-located Cell Tower	1			X			6606

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 10/1/09
FED EX #869424827722
6 CANS / 6 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	9/30/09 1600						
[signature]	09-29-09 2000	Ryan Henry	10/1/09 0945				

Comments:

Distributor: White - File; Yellow - Lab

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H9J010193

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: Lawhon & Associates, Inc.
Address: 975 Eastwind Dr., Suite 190
City/State/Zip Westerville, Ohio 43081
Phone: 614-818-5200
FAX: 614-818-5219
Project Name: Countywide
Site/location: Community
PO # 07-0082

Project Manager: Shawn Ansbro
Phone:
Site Contact:
TAL Contact: Jamie McKinney

Sampled By: Rick Jones

2 of 2 COCs

Analysis Turnaround Time
Standard (Specify) X
Rush (Specify)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
		9/25/09	9/26/09																
SU-C092509	9/25/09	15:00	15:00	-29.0	-2.5	K265	6652	X											
SU-G092509	↓	↓	↓	-29.0	-4.0	K303A	11148	X											
SU-S092509				-29.0	-4.5	K315	6227BN	X											
SU-W092509				-29.0	-4.5	K397	6128	X											
SU-COC092509				-29.0	-4.5	K162	6606	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (Inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:

Return Can #03841; Return Can and Clean, did not use.

Canisters Shipped by:	Date/Time: 9/30/09 1600	Canisters Received by:
Samples Relinquished by:	Date/Time: 9/29/09 800	Received by:
Relinquished by:	Date/Time:	Received by:

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #30

November 20, 2009

APPENDIX C. Laboratory Analytical Results from Event #144:
Thursday, October 1 to Friday, October 2, 2009

Test America Laboratories-Knoxville: EPA Method TO-15M
Test America Laboratories-Phoenix: EPA Method TO-11A, NIOSH 7903

SAMPLE SUMMARY

H9J060198

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LL244	001	SU-C100109	10/01/09	
LL247	002	SU-G100109	10/01/09	
LL25A	003	SU-S100109	10/01/09	
LL25C	004	SU-W100109	10/01/09	
LL25D	005	SU-COS100109	10/01/09	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H9J060198

The results reported herein are applicable to the samples submitted for analysis only.

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

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verification analyzed on 10/09/09 exhibited a % difference of > 30% for toluene and 1,1,2-trichloroethane, the results were within the LCS acceptance limits.

Although toluene and 1,1,2-trichloroethane are flagged as being outside recovery limits in the laboratory control sample for batch 9283181, the laboratory control sample is in control. The standard operating procedure allows for 3 analytes to be outside the control limits, but within marginal exceedence limit.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Lab #88-0688, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Lab #PH-0223, Florida DOH Lab #E87177, Georgia DNR Lab #906, Hawaii DOH, Illinois EPA Lab #200012, Indiana DOH Lab #C-TN-02, Iowa DNR Lab #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH, Maryland DOE Cert. #277, Michigan DEQ Lab #9933, Nevada DEP, New Jersey DEP Lab #TN001, New York DOH Lab #10781, North Carolina DPH Lab #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Lab #CL0059, Oklahoma DEQ Lab #9415, Pennsylvania DEP Lab #68-00576, South Carolina DHEC Cert #84001001, Tennessee DOH Lab #02014, Texas CEQ, Utah DOH Lab # QUAN3, Virginia DGS Lab #00165, Washington DOE Lab #C1314, West Virginia DEP Cert. #345, West Virginia DHHR Cert #9955C, Wisconsin DNR Lab #998044300, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-C100109

GC/MS Volatiles

Lot-Sample #	H9J060198 - 001	Work Order #	LL2441AA	Matrix.....:	AIR

Date Sampled...:	10/01/2009	Date Received..:	10/06/2009
Prep Date.....:	10/09/2009	Analysis Date...	10/09/2009
Prep Batch #.....:	9283181		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**7.2**	**5.0**	**17**		**12**
Ethylbenzene	**0.16**	**0.20**	**0.69**	**J**	**0.87**
Trichlorofluoromethane	**0.34**	**0.20**	**1.9**		**1.1**
n-Heptane	**0.17**	**0.50**	**0.70**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.26**	**0.50**	**0.91**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.074**	**2.0**	**0.22**	**J**	**6.1**
Methylene chloride	**0.76**	**0.50**	**2.6**	**B**	**1.7**
Benzene	**0.20**	**0.20**	**0.65**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.28**	**0.20**	**1.0**		**0.75**
1,2,4-Trichlorobenzene	**0.10**	**1.0**	**0.74**	**J**	**7.4**
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.085**	**0.20**	**0.65**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.14**	**0.20**	**0.68**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.50**	**0.20**	**2.2**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**1.0**	**0.20**	**4.4**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.54**	**1.0**	**1.6**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	0.11	0.20	0.70	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-C100109

GC/MS Volatiles

Lot-Sample # H9J060198 - 001 Work Order # LL2441AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.52**	**0.50**	**1.1**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.62**	**0.20**	**3.0**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	116	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-G100109

GC/MS Volatiles

Lot-Sample #	H9J060198 - 002	Work Order #	LL2471AA	Matrix.....:	AIR

Date Sampled...:	10/01/2009	Date Received..:	10/06/2009
Prep Date.....:	10/09/2009	Analysis Date...	10/09/2009
Prep Batch #.....:	9283181		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.038**	**0.20**	**0.27**	**J**	**1.4**
Acetone	**9.1**	**5.0**	**22**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.31**	**0.20**	**1.8**		**1.1**
n-Heptane	**0.20**	**0.50**	**0.80**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.25**	**0.50**	**0.88**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.067**	**2.0**	**0.20**	**J**	**6.1**
Methylene chloride	**0.35**	**0.50**	**1.2**	**J B**	**1.7**
Benzene	**0.15**	**0.20**	**0.48**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.14**	**0.20**	**0.98**	**J**	**1.4**
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.24**	**0.20**	**0.89**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.084**	**0.20**	**0.64**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.1**	**1.0**	**3.4**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.091**	**0.50**	**0.37**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.095**	**0.50**	**0.30**	**J**	**1.6**
Carbon tetrachloride	0.16	0.20	1.0	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-G100109

GC/MS Volatiles

Lot-Sample # H9J060198 - 002 **Work Order #** LL2471AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.72**	**0.50**	**1.5**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.60**	**0.20**	**3.0**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	116	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-S100109

GC/MS Volatiles

Lot-Sample #	H9J060198 - 003	Work Order #	LL25A1AA	Matrix.....:	AIR

Date Sampled...:	10/01/2009	Date Received..:	10/06/2009
Prep Date.....:	10/09/2009	Analysis Date...	10/09/2009
Prep Batch #.....:	9283181		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.2**	**5.0**	**15**		**12**
Ethylbenzene	**0.084**	**0.20**	**0.37**	**J**	**0.87**
Trichlorofluoromethane	**0.36**	**0.20**	**2.0**		**1.1**
n-Heptane	**0.16**	**0.50**	**0.64**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.29**	**0.50**	**1.0**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.068**	**0.50**	**0.32**	**J**	**2.3**
tert-Butyl alcohol	**0.088**	**2.0**	**0.27**	**J**	**6.1**
Methylene chloride	**0.80**	**0.50**	**2.8**	**B**	**1.7**
Benzene	**0.22**	**0.20**	**0.69**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.40**	**0.20**	**1.5**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.081**	**0.20**	**0.62**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.29**	**0.20**	**1.4**		**0.98**
1,3,5-Trimethylbenzene	**0.068**	**0.20**	**0.33**	**J**	**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.13**	**0.20**	**0.57**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.31**	**0.20**	**1.4**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.64**	**1.0**	**1.9**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.086**	**0.50**	**0.35**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.13**	**0.40**	**0.66**	**J**	**2.0**
Carbon disulfide	**0.073**	**0.50**	**0.23**	**J**	**1.6**
Carbon tetrachloride	**0.13**	**0.20**	**0.81**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S100109

GC/MS Volatiles

Lot-Sample # H9J060198 - 003 Work Order # LL25A1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.59**	**0.50**	**1.2**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.60**	**0.20**	**2.9**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	116	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-W100109

GC/MS Volatiles

Lot-Sample #	H9J060198 - 004	**Work Order #**	LL25C1AA	**Matrix.....:**	AIR

Date Sampled...:	10/01/2009	**Date Received..:**	10/06/2009
Prep Date.....:	10/09/2009	**Analysis Date...**	10/09/2009
Prep Batch #.....:	9283181		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.3**	**5.0**	**15**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.33**	**0.20**	**1.9**		**1.1**
n-Heptane	**0.19**	**0.50**	**0.77**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.20**	**0.50**	**0.71**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.047**	**2.0**	**0.14**	**J**	**6.1**
Methylene chloride	**0.50**	**0.50**	**1.7**	**B**	**1.7**
Benzene	**0.21**	**0.20**	**0.67**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.24**	**0.20**	**0.91**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.082**	**0.20**	**0.63**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.18**	**0.20**	**0.91**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.082**	**0.20**	**0.35**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.17**	**0.20**	**0.72**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.76**	**1.0**	**2.2**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.066**	**0.50**	**0.27**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.082**	**0.40**	**0.40**	**J**	**2.0**
Carbon disulfide	**0.038**	**0.50**	**0.12**	**J**	**1.6**
Carbon tetrachloride	**0.12**	**0.20**	**0.76**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W100109

GC/MS Volatiles

Lot-Sample # H9J060198 - 004 **Work Order #** LL25C1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.51**	**0.50**	**1.0**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.58**	**0.20**	**2.9**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	119	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-COS100109

GC/MS Volatiles

Lot-Sample #	H9J060198 - 005	Work Order #	LL25D1AA	Matrix.....:	AIR

Date Sampled...:	10/01/2009	Date Received..:	10/06/2009
Prep Date.....:	10/09/2009	Analysis Date...	10/09/2009
Prep Batch #.....:	9283181		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**16**	**5.0**	**39**		**12**
Ethylbenzene	**0.12**	**0.20**	**0.51**	**J**	**0.87**
Trichlorofluoromethane	**0.32**	**0.20**	**1.8**		**1.1**
n-Heptane	**0.19**	**0.50**	**0.79**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.27**	**0.50**	**0.96**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.079**	**0.50**	**0.37**	**J**	**2.3**
tert-Butyl alcohol	**1.1**	**2.0**	**3.4**	**J**	**6.1**
Methylene chloride	**0.61**	**0.50**	**2.1**	**B**	**1.7**
Benzene	**0.25**	**0.20**	**0.79**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.44**	**0.20**	**1.6**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.078**	**0.20**	**0.60**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.44**	**0.20**	**2.2**		**0.98**
1,3,5-Trimethylbenzene	**0.095**	**0.20**	**0.47**	**J**	**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.21**	**0.20**	**0.91**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.49**	**0.20**	**2.1**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.1**	**1.0**	**3.3**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.21**	**0.50**	**0.87**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.14**	**0.40**	**0.71**	**J**	**2.0**
Carbon disulfide	**0.70**	**0.50**	**2.2**		**1.6**
Carbon tetrachloride	**0.13**	**0.20**	**0.81**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COS100109

GC/MS Volatiles

Lot-Sample # H9J060198 - 005 Work Order # LL25D1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.041**	**0.20**	**0.20**	**J**	**0.98**
Chloromethane	**0.79**	**0.50**	**1.6**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.60**	**0.20**	**3.0**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	112	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9J100000 - 181B	**Work Order #**	LMD2L1AA	**Matrix.....:**	AIR
	10/01/2009	**Date Received..:**	10/06/2009		
Prep Date.....:	10/09/2009	**Analysis Date...**	10/09/2009		
Prep Batch #.....:	9283181				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	ND	5.0	ND		12
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	ND	0.20	ND		1.1
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	ND	0.50	ND		1.8
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.062**	**0.50**	**0.21**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9J100000 - 181B Work Order # LMD2L1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	ND	0.50	ND	1.0
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	ND	0.20	ND	0.99
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	117	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9J100000 - 181C **Work Order #** LMD2L1AC **Matrix.....:** AIR

	10/01/2009	**Date Received..:**	10/06/2009
Prep Date.....:	10/09/2009	**Analysis Date...**	10/09/2009
Prep Batch #.....:	9283181		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY		RECOVERY LIMITS
trans-1,3-Dichloropropene	2.50	2.04	11	9.3	82		70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.50	2.51	17	18	100		60 - 140
Acetone	2.50	2.75	5.9	6.5	110		60 - 140
Ethylbenzene	2.50	1.87	11	8.1	75		70 - 130
Trichlorofluoromethane	2.50	2.94	14	16	117		60 - 140
n-Heptane	2.50	2.15	10	8.8	86		70 - 130
Hexachlorobutadiene	2.50	2.52	27	27	101		60 - 140
n-Hexane	2.50	2.33	8.8	8.2	93		70 - 130
2,2,4-Trimethylpentane	2.50	2.12	12	9.9	85		70 - 130
tert-Butyl alcohol	2.50	2.39	7.6	7.3	96		60 - 140
Methylene chloride	2.50	2.50	8.7	8.7	100		70 - 130
Benzene	2.50	1.80	8.0	5.8	72		70 - 130
Styrene	2.50	1.83	11	7.8	73		70 - 130
1,1,2,2-Tetrachloroethane	2.50	1.99	17	14	80		70 - 130
Tetrachloroethene	2.50	2.26	17	15	91		70 - 130
Tetrahydrofuran	2.50	2.22	7.4	6.5	89		70 - 130
Toluene	2.50	1.60	9.4	6.0	64	a	70 - 130
1,2,4-Trichlorobenzene	2.50	2.39	19	18	96		60 - 140
1,1,1-Trichloroethane	2.50	2.58	14	14	103		70 - 130
1,1,2-Trichloroethane	2.50	1.72	14	9.4	69	a	70 - 130
Trichloroethene	2.50	1.93	13	10	77		70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.50	2.24	19	17	90		70 - 130
1,2,4-Trimethylbenzene	2.50	2.19	12	11	87		70 - 130
1,3,5-Trimethylbenzene	2.50	1.82	12	8.9	73		70 - 130
Vinyl chloride	2.50	2.51	6.4	6.4	100		70 - 130
o-Xylene	2.50	2.03	11	8.8	81		70 - 130
Methyl tert-butyl ether	2.50	2.33	9.0	8.4	93		60 - 140
m-Xylene & p-Xylene	5.00	3.99	22	17	80		70 - 130
Bromodichloromethane	2.50	2.33	17	16	93		70 - 130
1,2-Dibromoethane (EDB)	2.50	1.86	19	14	74		70 - 130
2-Butanone (MEK)	2.50	2.11	7.4	6.2	84		60 - 140
4-Methyl-2-pentanone (MIBK)	2.50	2.10	10	8.6	84		60 - 140
Vinyl bromide	2.50	2.18	11	9.6	87		60 - 140
Bromoform	2.50	2.12	26	22	85		70 - 130
Bromomethane	2.50	2.16	9.7	8.4	86		70 - 130
1,3-Butadiene	2.50	2.87	5.5	6.4	115		60 - 140
4-Ethyltoluene	2.50	2.05	12	10	82		70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9J100000 - 181C Work Order # LMD2L1AC Matrix.....: AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Carbon disulfide	2.50	2.34	7.8	7.3	94	70 - 130
Carbon tetrachloride	2.50	2.59	16	16	104	70 - 130
Chlorobenzene	2.50	1.88	12	8.6	75	70 - 130
Dibromochloromethane	2.50	2.10	21	18	84	70 - 130
Chloroethane	2.50	2.21	6.6	5.8	88	70 - 130
Chloroform	2.50	2.40	12	12	96	70 - 130
Chloromethane	2.50	2.82	5.2	5.8	113	60 - 140
3-Chloropropene	2.50	2.62	7.8	8.2	105	70 - 130
2-Chlorotoluene	2.50	1.90	13	9.8	76	70 - 130
Cyclohexane	2.50	2.16	8.6	7.4	86	70 - 130
1,2-Dichlorobenzene	2.50	1.77	15	11	71	70 - 130
1,3-Dichlorobenzene	2.50	1.74	15	10	70	70 - 130
1,4-Dichlorobenzene	2.50	1.86	15	11	75	70 - 130
Dichlorodifluoromethane	2.50	2.68	12	13	107	60 - 140
1,1-Dichloroethane	2.50	2.30	10	9.3	92	70 - 130
1,2-Dichloroethane	2.50	2.47	10	10.0	99	70 - 130
1,1-Dichloroethene	2.50	2.06	9.9	8.2	82	70 - 130
cis-1,2-Dichloroethene	2.50	2.05	9.9	8.1	82	70 - 130
trans-1,2-Dichloroethene	2.50	2.12	9.9	8.4	85	70 - 130
1,2-Dichloropropane	2.50	1.90	12	8.8	76	70 - 130
cis-1,3-Dichloropropene	2.50	1.88	11	8.6	75	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	116	60 - 140

Qualifiers

a Spiked analyte recovery is outside stated control limits.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Receipt Documentation

1495060198

№ 8522

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

~~929~~ 975 Eastwind Drive, Suite ~~211~~ 190
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2115 Freeman Avenue~~
~~Cleveland, OH 44118~~
~~Phone: (216) 737-0700~~
~~Fax: (216) 737-0109~~

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7755
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil; SD-Sediment; SW-Surface Water; WW-Wastewater; GW-Groundwater; O-Other AIR

Containers Intact: At L&A Y/N; At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	Time (min)	Sample Location	Number of Containers	Analysis: VOC (Method TO-15)	Remarks: Summa Can #
SU-C100109				10/1/09	1440	Cell Tower	1	X	6679
SU-G100109				10/1/09	1440	Campground	1	X	92021
SU-S100109				10/1/09	1440	School	1	X	S-1488
SU-W100109				10/1/09	1440	Wetland	1	X	12455
SU-COS100109				10/1/09	1440	Co-located School	1	X	6351

1 BOX RECD AMBIENT
BOXED FED EX # 8694 2482 7755
NO CUSTODY SEAL INTACT
TB 10/6/09
GRAMS 16 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	10/5/09 1600	[signature]	10/6/09 10:15				
[signature]	10-5-09 0800						

Comments:

Distributor: White - File; Yellow - Lab

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

1495060198

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: Lawhon & Associates, Inc.
Address: 975 Eastwind Dr., Suite 190
City/State/Zip: Westerville, Ohio 43081
Phone: 614-818-5200
FAX: 614-818-5219
Project Name: Countywide
Site/location: Community
PO # 07-0082

Project Manager: Shawn Ansbro
Phone:
Site Contact:
TAL Contact: Jamie McKinney

Sampled By: Rick Jones

2 of 2 COCs

Analysis Turnaround Time
Standard (Specify) X
Rush (Specify)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type Please Specify	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C100109	10/1/09	15:00	15:00	-29.0	-5.0	K398	6679	X											
SU-G100109				-29.0	0	K188	92021	X											
SU-S100109				-29.0	-6.5	K172	S-1488	X											
SU-W100109				-29.0	-4.5	K327	12455	X											
SU-COS100109				-29.0	-0.5	K370	6351	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (Inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:

Return can # 04747, did not use.

Canisters Shipped by:	Date/Time: 10/5/09 1600	Canisters Received by:
Samples Relinquished by:	Date/Time: 10-5-09 0800	Received by:
Relinquished by:	Date/Time:	Received by:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

October 14, 2009

LABORATORY REPORT

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

Work Order: PSJ0242
Project Name: Countywide - Ambient Air
Project Number: Countywide 07-0082
Date Received: 10/06/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

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

Work Order: PSJ0242
Project: Countywide - Ambient Air
Project Number: Countywide 07-0082

Received: 10/06/09
Reported: 10/14/09 11:18

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C100109-01H	PSJ0242-01	10/01/09	Silica Gel tube, 200/400 mg Specially cleaned
C100109-02H	PSJ0242-02	10/01/09	Silica Gel tube, 200/400 mg Specially cleaned
C100109-03H	PSJ0242-03	10/01/09	Silica Gel tube, 200/400 mg Specially cleaned
S100109-01H	PSJ0242-04	10/01/09	Silica Gel tube, 200/400 mg Specially cleaned
S100109-02H	PSJ0242-05	10/01/09	Silica Gel tube, 200/400 mg Specially cleaned
S100109-03H	PSJ0242-06	10/01/09	Silica Gel tube, 200/400 mg Specially cleaned
W100109-01H	PSJ0242-07	10/01/09	Silica Gel tube, 200/400 mg Specially cleaned
W100109-02H	PSJ0242-08	10/01/09	Silica Gel tube, 200/400 mg Specially cleaned
W100109-03H	PSJ0242-09	10/01/09	Silica Gel tube, 200/400 mg Specially cleaned
100109A-H	PSJ0242-10	10/01/09	Silica Gel tube, 200/400 mg Specially cleaned
C100109-01A	PSJ0242-11	10/01/09	DNPH Silica Gel Tube, 450 mg
C100109-02A	PSJ0242-12	10/01/09	DNPH Silica Gel Tube, 450 mg
C100109-03A	PSJ0242-13	10/01/09	DNPH Silica Gel Tube, 450 mg
S100109-01A	PSJ0242-14	10/01/09	DNPH Silica Gel Tube, 450 mg
S100109-02A	PSJ0242-15	10/01/09	DNPH Silica Gel Tube, 450 mg
S100109-03A	PSJ0242-16	10/01/09	DNPH Silica Gel Tube, 450 mg
W100109-01A	PSJ0242-17	10/01/09	DNPH Silica Gel Tube, 450 mg
W100109-02A	PSJ0242-18	10/01/09	DNPH Silica Gel Tube, 450 mg
W100109-03A	PSJ0242-19	10/01/09	DNPH Silica Gel Tube, 450 mg
100109A-A	PSJ0242-20	10/01/09	DNPH Silica Gel Tube, 450 mg

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

ANALYTICAL REPORT

Aldehydes and Ketones by EPA TO-11A (Modified)

Sample ID: PSJ0242-11 (C100109-01A) — **Tube** — **Sample Air Volume:136.32L** — **Sampled: 10/01/09** — **Prepared: 10/12/09 12:41**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002201	<0.0000401	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.37	0.01739	0.00965	IH10, IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0387	0.0002839	0.0001576	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.33	0.01709	0.009487	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetone	2.73	0.02003	0.008431	IH10, IH11	10/13/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.551	0.004042	0.001702	IH10	10/13/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.18	0.01599	0.006732	IH11	10/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002201	<0.00009597	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.173	0.001269	0.0002924	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.09	0.007996	0.002711	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002201	<0.00007677	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.904	0.006631	0.005399	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0512	0.0003756	0.0003058	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.853	0.006257	0.005095	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.10	0.008069	0.00197	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0495	0.0003631	0.0001031	IH10	10/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0605	0.0004438	0.00009031	IH10	10/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0872	0.0006397	0.0001302	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.477	0.003499	0.001473	IH10	10/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002201	<0.00004478	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.329	0.002413	0.0006851	IH10	10/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSJ0242-12 (C100109-02A) — **Tube** — **Sample Air Volume:146.40L** — **Sampled: 10/01/09** — **Prepared: 10/12/09 12:41**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002049	<0.00003734	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.950	0.006489	0.003602	IH10, IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0325	0.000222	0.0001232	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.918	0.00627	0.00348	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetone	1.62	0.01107	0.004658	IH10, IH11	10/13/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.574	0.003921	0.001651	IH10	10/13/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.05	0.007172	0.003019	IH11	10/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002049	<0.00008937	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.119	0.0008128	0.0001873	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.333	0.002275	0.0007712	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002049	<0.00007148	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.534	0.003648	0.00297	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0501	0.0003422	0.0002786	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.484	0.003306	0.002692	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.420	0.002869	0.0007003	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002049	<0.00005817	IH10	10/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0407	0.000278	0.00005657	IH10	10/13/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0242-12 (C100109-02A) - cont.		**Tube**		**Sample Air Volume:146.40L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:41	
o-Tolualdehyde	0.0778	0.0005314	0.0001081	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.193	0.001318	0.000555	IH10	10/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002049	<0.0000417	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.129	0.0008811	0.0002501	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0242-13 (C100109-03A)		**Tube**		**Sample Air Volume:192L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:41	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001563	<0.00002847	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.10	0.005729	0.00318	IH10, IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0991	0.0005161	0.0002865	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.998	0.005198	0.002885	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.445	0.002318	0.0009757	IH10, IH11	10/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001563	<0.00006814	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.114	0.0005938	0.0001368	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.279	0.001453	0.0004927	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001563	<0.00005451	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.560	0.002917	0.002375	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0477	0.0002484	0.0002023	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.512	0.002667	0.002171	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.450	0.002344	0.0005721	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001563	<0.00004436	IH10	10/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0305	0.0001589	0.00003233	IH10	10/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0647	0.000337	0.00006857	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.205	0.001068	0.0004495	IH10	10/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001563	<0.0000318	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.148	0.0007708	0.0002188	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0242-14 (S100109-01A)		**Tube**		**Sample Air Volume:132.48L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:41	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002264	<0.00004126	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.61	0.01215	0.006745	IH10, IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetone	2.30	0.01736	0.007309	IH10, IH11	10/13/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.535	0.004038	0.0017	IH10	10/12/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.76	0.01329	0.005593	IH11	10/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002264	<0.00009876	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.115	0.0008681	0.0002	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.774	0.005842	0.001981	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002264	<0.00007899	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.743	0.005608	0.004566	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0451	0.0003404	0.0002772	IH11	10/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.698	0.005269	0.00429	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.799	0.006031	0.001472	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002264	<0.00006428	IH10	10/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0426	0.0003216	0.00006544	IH10	10/13/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.								
Sample ID: PSJ0242-14 (S100109-01A) - cont.		**Tube**		**Sample Air Volume:132.48L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:41	
o-Tolualdehyde	0.0727	0.0005488	0.0001117	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.345	0.002604	0.001096	IH10	10/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002264	<0.00004608	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.265	0.002	0.0005678	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0242-15 (S100109-02A)		**Tube**		**Sample Air Volume:182.40L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:41	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001645	<0.00002997	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.814	0.004463	0.002477	IH11, IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0309	0.0001694	0.00009403	IH10	10/12/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.783	0.004293	0.002383	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.618	0.003388	0.001426	IH10, IH11	10/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001645	<0.00007173	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0932	0.000511	0.0001177	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.302	0.001656	0.0005614	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001645	<0.00005737	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.519	0.002845	0.002317	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0462	0.0002533	0.0002062	IH11	10/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.473	0.002593	0.002111	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.403	0.002209	0.0005393	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001645	<0.00004669	IH10	10/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0561	0.0003076	0.00006259	IH10	10/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0753	0.0004128	0.00008401	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.185	0.001014	0.000427	IH10	10/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001645	<0.00003347	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.108	0.0005921	0.0001681	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0242-16 (S100109-03A)		**Tube**		**Sample Air Volume:156.96L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:41	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001911	<0.00003483	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.913	0.005817	0.003229	IH10, IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0631	0.000402	0.0002231	IH10	10/12/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.850	0.005415	0.003006	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.893	0.005689	0.002395	IH10, IH11	10/13/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.317	0.00202	0.0008502	IH10	10/12/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.576	0.00367	0.001545	IH11	10/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001911	<0.00008335	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0854	0.0005441	0.0001254	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.241	0.001535	0.0005206	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001911	<0.00006667	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.552	0.003517	0.002863	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0486	0.0003096	0.0002521	IH11	10/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.503	0.003205	0.002609	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.417	0.002657	0.0006485	IH10	10/13/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0242-16 (S100109-03A) - cont.		**Tube**		**Sample Air Volume:156.96L**			**Sampled: 10/01/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/12/09 12:41**	
Isovaleraldehyde	<0.0300	<0.0001911	<0.00005426	IH10	10/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0336	0.0002141	0.00004356	IH10	10/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0673	0.0004288	0.00008725	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.178	0.001134	0.0004774	IH10	10/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001911	<0.00003889	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.128	0.0008155	0.0002315	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0242-17 (W100109-01A)		**Tube**		**Sample Air Volume:132.48L**			**Sampled: 10/01/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/12/09 12:41**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002264	<0.00004126	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.87	0.01412	0.007835	IH10, IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetone	2.21	0.01668	0.007023	IH10, IH11	10/13/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.569	0.004295	0.001808	IH10	10/12/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.64	0.01238	0.005211	IH11	10/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002264	<0.00009876	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.148	0.001117	0.0002574	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.755	0.005699	0.001932	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002264	<0.00007899	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.886	0.006688	0.005445	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0435	0.0003284	0.0002673	IH11	10/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.842	0.006356	0.005175	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.02	0.007699	0.001879	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002264	<0.00006428	IH10	10/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0539	0.0004069	0.00008279	IH10	10/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0921	0.0006952	0.0001415	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.358	0.002702	0.001138	IH10	10/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002264	<0.00004608	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.261	0.00197	0.0005593	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0242-18 (W100109-02A)		**Tube**		**Sample Air Volume:139.20L**			**Sampled: 10/01/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/12/09 12:41**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002155	<0.00003927	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.712	0.005115	0.002839	IH10, IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0457	0.0003283	0.0001822	IH10	10/12/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.666	0.004784	0.002656	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.569	0.004088	0.001721	IH10, IH11	10/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002155	<0.00009399	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0744	0.0005345	0.0001231	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.216	0.001552	0.0005261	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002155	<0.00007518	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.420	0.003017	0.002457	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0419	0.000301	0.0002451	IH11	10/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.378	0.002716	0.002211	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.361	0.002593	0.0006331	IH10	10/13/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0242-18 (W100109-02A) - cont.		**Tube**		**Sample Air Volume:139.20L**			**Sampled: 10/01/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/12/09 12:41**	
Isovaleraldehyde	<0.0300	<0.0002155	<0.00006118	IH10	10/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002155	<0.00004386	IH10	10/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0461	0.0003312	0.00006739	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.132	0.0009483	0.0003992	IH10	10/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002155	<0.00004386	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.111	0.0007974	0.0002264	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0242-19 (W100109-03A)		**Tube**		**Sample Air Volume:122.88L**			**Sampled: 10/01/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/12/09 12:41**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002441	<0.00004449	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.833	0.006779	0.003763	IH10, IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0400	0.0003255	0.0001807	IH10	10/12/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.793	0.006453	0.003582	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.452	0.003678	0.001548	IH10, IH11	10/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002441	<0.0001065	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0977	0.0007951	0.0001832	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.206	0.001676	0.0005684	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002441	<0.00008517	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.536	0.004362	0.003551	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0305	0.0002482	0.0002021	IH11	10/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.506	0.004118	0.003353	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.388	0.003158	0.0007708	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002441	<0.0000693	IH10	10/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002441	<0.00004968	IH10	10/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0560	0.0004557	0.00009274	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.164	0.001335	0.0005618	IH10	10/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002441	<0.00004968	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.137	0.001115	0.0003165	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0242-20 (100109A-A)		**Tube**		**Sample Air Volume:0L**			**Sampled: 10/01/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/12/09 12:41**	
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0427	--	--	IH10, IH11	10/13/2009	zn	0.0300	EPA TO-11A
Acetone	1.63	--	--	IH10, IH11	10/13/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.489	--	--	IH10	10/12/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.14	--	--	IH11	10/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.144	--	--	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0405	--	--	IH11	10/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.103	--	--	IH11	10/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0242-20 (100109A-A) - cont.		**Tube**		**Sample Air Volume:0L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:41	
Isovaleraldehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	10/13/2009	zn	0.0300	EPA TO-11A

(e) = Analyte concentration > 10% of front result indicates possible breakthrough

Inorganic Acids by NIOSH 7903 (Modified)

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0242-01 (C100109-01H)		**Tube**		**Sample Air Volume:205.44L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:00	
Hydrochloric Acid	<2.12	<0.01032	<0.00692	IH10	10/12/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01061	<0.01297	IH10	10/12/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0242-02 (C100109-02H)		**Tube**		**Sample Air Volume:178.08L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:00	
Hydrochloric Acid	<2.12	<0.0119	<0.007983	IH10	10/12/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01224	<0.01496	IH10	10/12/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0242-03 (C100109-03H)		**Tube**		**Sample Air Volume:209.76L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:00	
Hydrochloric Acid	<2.12	<0.01011	<0.006778	IH10	10/12/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01039	<0.0127	IH10	10/12/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0242-04 (S100109-01H)		**Tube**		**Sample Air Volume:110.88L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:00	
Hydrochloric Acid	<2.12	<0.01912	<0.01282	IH10	10/12/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01966	<0.02402	IH10	10/12/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0242-05 (S100109-02H)		**Tube**		**Sample Air Volume:203.52L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:00	
Hydrochloric Acid	<2.12	<0.01042	<0.006985	IH10	10/12/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01071	<0.01309	IH10	10/12/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0242-06 (S100109-03H)		**Tube**		**Sample Air Volume:159.36L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:00	
Hydrochloric Acid	<2.12	<0.0133	<0.008921	IH10	10/12/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01368	<0.01672	IH10	10/12/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0242-07 (W100109-01H)		**Tube**		**Sample Air Volume:197.28L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:00	
Hydrochloric Acid	<2.12	<0.01075	<0.007206	IH10	10/12/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01105	<0.0135	IH10	10/12/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0242-08 (W100109-02H)		**Tube**		**Sample Air Volume:185.76L**			**Sampled: 10/01/09**	
							Prepared: 10/12/09 12:00	
Hydrochloric Acid	<2.12	<0.01141	<0.007653	IH10	10/12/2009	AY	2.12	NIOSH 7903 (MOD)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

Inorganic Acids by NIOSH 7903 (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0242-08 (W100109-02H) - cont.		**Tube**		**Sample Air Volume:185.76L**			**Sampled: 10/01/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/12/09 12:00**	
Hydrofluoric Acid	<2.18	<0.01174	<0.01434	IH10	10/12/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0242-09 (W100109-03H)		**Tube**		**Sample Air Volume:187.68L**			**Sampled: 10/01/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/12/09 12:00**	
Hydrochloric Acid	<2.12	<0.0113	<0.007575	IH10	10/12/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01162	<0.01419	IH10	10/12/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0242-10 (100109A-H)		**Tube**		**Sample Air Volume:0L**			**Sampled: 10/01/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/12/09 12:00**	
Hydrochloric Acid	<2.12	--	--	IH10	10/12/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	--	--	IH10	10/12/2009	AY	2.18	NIOSH 7903 (MOD)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)							
P9J1226-BLK1							
Formaldehyde	0.07214		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Formaldehyde - Back	0.03178		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Acetaldehyde	0.03528		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Acetaldehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Acrolein	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Acrolein - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Acetone	0.5595		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Acetone - Back	<0.300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Propionaldehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Crotonaldehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Butyraldehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Benzaldehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Isovaleraldehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Valeraldehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
o-Tolualdehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
m-Tolualdehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
p-Tolualdehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Hexaldehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9J1226		P9J1226-BLK1	10-12-2009
Inorganic Acids by NIOSH 7903 (Modified)							
P9J1229-BLK1							
Hydrochloric Acid	<2.12	IH10	ug, Total	P9J1229		P9J1229-BLK1	10-12-2009
Hydrochloric Acid - Back	<2.12	IH10	ug, Total	P9J1229		P9J1229-BLK1	10-12-2009
Hydrofluoric Acid	<2.18	IH10	ug, Total	P9J1229		P9J1229-BLK1	10-12-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)							
P9J1229-BLK1							
Hydrofluoric Acid - Back	<2.18	IH10	ug, Total	P9J1229		P9J1229-BLK1	10-12-2009

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9J1226-DUP1									
Formaldehyde	0.8530	0.8572	IH11	ug, Total	0.491	10	P9J1226	PSJ0242-11	10-13-2009
Acetaldehyde	2.330	2.340	IH11	ug, Total	0.428	10	P9J1226	PSJ0242-11	10-13-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9J1226	PSJ0242-11	10-13-2009
Acetone	2.180	2.183	IH11	ug, Total	0.138	10	P9J1226	PSJ0242-11	10-13-2009
Propionaldehyde	0.4770	0.4736	IH10	ug, Total	0.715	10	P9J1226	PSJ0242-11	10-13-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1226	PSJ0242-11	10-13-2009
Butyraldehyde	1.090	1.083	IH10	ug, Total	0.644	10	P9J1226	PSJ0242-11	10-13-2009
Benzaldehyde	0.1730	0.1665	IH10	ug, Total	3.83	10	P9J1226	PSJ0242-11	10-13-2009
Isovaleraldehyde	0.04950	0.05086	IH10	ug, Total	2.71	10	P9J1226	PSJ0242-11	10-13-2009
Valeraldehyde	0.3290	0.3175	IH10	ug, Total	3.56	10	P9J1226	PSJ0242-11	10-13-2009
o-Tolualdehyde	0.08720	0.08529	IH10	ug, Total	2.21	10	P9J1226	PSJ0242-11	10-13-2009
m-Tolualdehyde	0.06050	0.06267	IH10	ug, Total	3.52	10	P9J1226	PSJ0242-11	10-13-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9J1226	PSJ0242-11	10-13-2009
Hexaldehyde	1.100	1.102	IH10	ug, Total	0.182	10	P9J1226	PSJ0242-11	10-13-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1226	PSJ0242-11	10-13-2009

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9J1226-BS1								
Formaldehyde	0.45	0.5129	IH11	ug, Total	114%	22-134	P9J1226	10-12-2009
Acetaldehyde	0.45	0.4727	IH11	ug, Total	105%	51-142	P9J1226	10-12-2009
Acrolein	0.45	0.3762	IH10	ug, Total	84%	75-125	P9J1226	10-12-2009
Acetone	0.45	0.9550	IH11, L1	ug, Total	212%	75-125	P9J1226	10-12-2009
Propionaldehyde	0.45	0.5128	IH10	ug, Total	114%	67-145	P9J1226	10-12-2009
Crotonaldehyde	0.45	0.3929	IH10	ug, Total	87%	66-146	P9J1226	10-12-2009
Butyraldehyde	0.45	0.5081	IH10	ug, Total	113%	56-141	P9J1226	10-12-2009
Benzaldehyde	0.45	0.4586	IH10	ug, Total	102%	57-142	P9J1226	10-12-2009
Isovaleraldehyde	0.45	0.4633	IH10	ug, Total	103%	66-144	P9J1226	10-12-2009
Valeraldehyde	0.45	0.4806	IH10	ug, Total	107%	66-144	P9J1226	10-12-2009
o-Tolualdehyde	0.45	0.4676	IH10	ug, Total	104%	39-130	P9J1226	10-12-2009
m-Tolualdehyde	0.45	0.4368	IH10	ug, Total	97%	73-143	P9J1226	10-12-2009
p-Tolualdehyde	0.45	0.4328	IH10	ug, Total	96%	66-147	P9J1226	10-12-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9J1226-BS1								
Hexaldehyde	0.45	0.4582	IH10	ug, Total	102%	65-145	P9J1226	10-12-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4315	IH10	ug, Total	96%	75-144	P9J1226	10-12-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9J1229-BS1								
Hydrochloric Acid	10.3	11.92	IH10	ug, Total	116%	70-130	P9J1229	10-12-2009
Hydrofluoric Acid	10.5	9.857	IH10	ug, Total	94%	70-130	P9J1229	10-12-2009

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)												
P9J1226-BSD1												
Formaldehyde		0.5255	IH11	ug, Total	0.45	117%	22-134	2.43	20	P9J1226		10-12-2009
Acetaldehyde		0.4775	IH11	ug, Total	0.45	106%	51-142	1.01	20	P9J1226		10-12-2009
Acrolein		0.3660	IH10	ug, Total	0.45	81%	75-125	2.75	20	P9J1226		10-12-2009
Acetone		1.542	IH11,	ug, Total	0.45	343%	75-125	47	20	P9J1226		10-12-2009
Propionaldehyde		0.5085	IH10	ug, Total	0.45	113%	67-145	0.842	20	P9J1226		10-12-2009
Crotonaldehyde		0.4034	IH10	ug, Total	0.45	90%	66-146	2.64	20	P9J1226		10-12-2009
Butyraldehyde		0.4873	IH10	ug, Total	0.45	108%	56-141	4.18	20	P9J1226		10-12-2009
Benzaldehyde		0.4470	IH10	ug, Total	0.45	99%	57-142	2.56	20	P9J1226		10-12-2009
Isovaleraldehyde		0.4468	IH10	ug, Total	0.45	99%	66-144	3.63	20	P9J1226		10-12-2009
Valeraldehyde		0.4618	IH10	ug, Total	0.45	103%	66-144	3.99	20	P9J1226		10-12-2009
o-Tolualdehyde		0.4655	IH10	ug, Total	0.45	103%	39-130	0.45	20	P9J1226		10-12-2009
m-Tolualdehyde		0.4288	IH10	ug, Total	0.45	95%	73-143	1.85	20	P9J1226		10-12-2009
p-Tolualdehyde		0.4212	IH10	ug, Total	0.45	94%	66-147	2.72	20	P9J1226		10-12-2009
Hexaldehyde		0.4562	IH10	ug, Total	0.45	101%	65-145	0.437	20	P9J1226		10-12-2009
2,5-Dimethyl Benzaldehyde		0.4266	IH10	ug, Total	0.45	95%	75-144	1.14	20	P9J1226		10-12-2009
Inorganic Acids by NIOSH 7903 (Modified)												
P9J1229-BSD1												
Hydrochloric Acid		12.30	IH10	ug, Total	10.3	119%	70-130	3.14	30	P9J1229		10-12-2009
Hydrofluoric Acid		10.01	IH10	ug, Total	10.5	95%	70-130	1.54	30	P9J1229		10-12-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0242 Project: Countywide - Ambient Air Project Number: Countywide 07-0082	Received: 10/06/09 Reported: 10/14/09 11:18	

DATA QUALIFIERS AND DEFINITIONS

IH10	Target analyte was not detected in the method blank at or above the reporting limit. The QC samples and client sample(s) were not blank corrected.
IH11	Target analyte was detected in the method blank at or above the reporting limit. The background was not subtracted from the QC samples or the client's sample(s).
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
R-11	RPD exceeded the laboratory control limit. See case narrative.

ADDITIONAL COMMENTS

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

975 ~~929~~ Eastwind Drive, Suite 190 ~~211~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2113 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0100~~
~~Fax: (216) 737-0109~~

№ 8520

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7744

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SD-Sediment, SW-Surface Water, WW-Wastewater, GW-Groundwater, O-Other Air

Containers Intact: At L&A Y/N; At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis HF	HCl	NIOSH 7903										Expected Conc. (H,M,L)	Hold	Remarks: Sample Flow Rate	
C100109-01H				10/1/09	480	Cell Tower	1			X	X	X										PSJ0242-01		0.428	l/min
C100109-02H				10/1/09	480	Cell Tower	1			X	X	X										-02		0.371	"
C100109-03H				10/1/09	480	Cell Tower	1			X	X	X										-03		0.437	"
S100109-01H				10/1/09	480	School	1			X	X	X										-04		0.231	l/min
S100109-02H				10/1/09	480	School	1			X	X	X										-05		0.424	"
S100109-03H				10/1/09	480	School	1			X	X	X										-06		0.332	"
W100109-01H				10/1/09	480	Wetland	1			X	X	X										-07		0.411	l/min
W100109-02H				10/1/09	480	Wetland	1			X	X	X										-08		0.387	"
W100109-03H				10/1/09	480	Wetland	1			X	X	X										-09		0.391	"
100109A-H				10/1/09	—	Field Blank	1			X	X	X										-10		No Flow Field Blank	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	10/5/09 1600						
[signature]	10-5-09 0800					[signature]	10/6/09 0955

Comments: 6.2°C custody seals blue ice

Distributor: White - File; Yellow - Lab

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

975 ~~929~~ Eastwind Drive, Suite 190 ~~211~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2715 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0100~~
~~Fax: (216) 737-0109~~

№ 8521

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7744

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SD-Sediment, SW-Surface Water, WW-Wastewater, GW-Groundwater, O-Other AIR

Containers Intact: At L&A Y/N; At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis	Method	Aldehyde TO-11	Ketone TO-11	Carbonyl TO-11										Expected Conc. (H,M,L)	Hold	Remarks: Sample Flow Rate
C100109-01A				10/1/09	480	Cell Tower	1				X	X	X									-11			0.284 l/min
C100109-02A				10/1/09	480	Cell Tower	1				X	X	X									-12			0.305 "
C100109-03A				10/1/09	480	Cell Tower	1				X	X	X									-13			0.400 "
S100109-01A				10/1/09	480	School	1				X	X	X									-14			0.276 l/min
S100109-02A				10/1/09	480	School	1				X	X	X									-15			0.380 "
S100109-03A				10/1/09	480	School	1				X	X	X									-16			0.327 "
W100109-01A				10/1/09	480	Wetland	1				X	X	X									-17			0.276 l/min
W100109-02A				10/1/09	480	Wetland	1				X	X	X									-18			0.290 "
W100109-03A				10/1/09	480	Wetland	1				X	X	X									-19			0.256 "
100109A-A				10/1/09	/	Field Blank	1				X	X	X									-20			No Flow Field Blank

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	10/5/09 1600						
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	10-5-09 0800						

Comments:

(6.2°C) Custody Seals blue ice

Distributor: White - File; Yellow - Lab

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #30

November 20, 2009

APPENDIX D. Laboratory Analytical Results from Event #145:
Wednesday, October 7 to Thursday, October 8, 2009

Test America Laboratories-Knoxville: EPA Method TO-15M
Test America Laboratories-Phoenix: EPA Method TO-11A, NIOSH 7903

SAMPLE SUMMARY

H9J130164

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LMGK4	001	SU-C100709	10/07/09	
LMGK5	002	SU-G100709	10/07/09	
LMGK6	003	SU-S100709	10/07/09	
LMGK7	004	SU-W100709	10/07/09	
LMGLA	005	SU-COG100709	10/07/09	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H9J130164

The results reported herein are applicable to the samples submitted for analysis only.

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

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verification analyzed on 10/13/09 exhibited a % difference of > 30% for 1,3-dichlorobenzene, the results were within the LCS acceptance limits.

Although 1,3-dichlorobenzene is flagged as being outside recovery limits in the laboratory control sample for batch 9287281, the laboratory control sample is in control. The standard operating procedure allows for 3 analytes to be outside the control limits, but within marginal exceedence limit.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Lab #88-0688, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Lab #PH-0223, Florida DOH Lab #E87177, Georgia DNR Lab #906, Hawaii DOH, Illinois EPA Lab #200012, Indiana DOH Lab #C-TN-02, Iowa DNR Lab #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH, Maryland DOE Cert. #277, Michigan DEQ Lab #9933, Nevada DEP, New Jersey DEP Lab #TN001, New York DOH Lab #10781, North Carolina DPH Lab #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Lab #CL0059, Oklahoma DEQ Lab #9415, Pennsylvania DEP Lab #68-00576, South Carolina DHEC Cert #84001001, Tennessee DOH Lab #02014, Texas CEQ, Utah DOH Lab # QUAN3, Virginia DGS Lab #00165, Washington DOE Lab #C1314, West Virginia DEP Cert. #345, West Virginia DHHR Cert #9955C, Wisconsin DNR Lab #998044300, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-C100709

GC/MS Volatiles

Lot-Sample #	H9J130164 - 001	Work Order #	LMGK41AA	Matrix.....:	AIR

Date Sampled...:	10/07/2009	Date Received..:	10/13/2009
Prep Date.....:	10/13/2009	Analysis Date...	10/14/2009
Prep Batch #.....:	9287281		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.034**	**0.20**	**0.24**	**J**	**1.4**
Acetone	**5.1**	**5.0**	**12**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.42**	**0.20**	**2.4**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.43**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.38**	**0.50**	**1.3**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.19**	**2.0**	**0.58**	**J**	**6.1**
Methylene chloride	**0.72**	**0.50**	**2.5**	**B**	**1.7**
Benzene	**0.14**	**0.20**	**0.44**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.096**	**0.20**	**0.36**	**J**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.091**	**0.20**	**0.70**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.31**	**1.0**	**0.91**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.16**	**0.20**	**1.0**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C100709

GC/MS Volatiles

Lot-Sample # H9J130164 - 001 **Work Order #** LMGK41AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.055**	**0.20**	**0.27**	**J**	**0.98**
Chloromethane	**0.77**	**0.50**	**1.6**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.073**	**0.50**	**0.25**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.80**	**0.20**	**3.9**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	**0.26**	**0.20**	**1.0**		**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	131	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-G100709

GC/MS Volatiles

Lot-Sample # H9J130164 - 002 Work Order # LMGK51AA Matrix.....: AIR

Date Sampled...: 10/07/2009 Date Received..: 10/13/2009
Prep Date.....: 10/13/2009 Analysis Date... 10/14/2009
Prep Batch #.....: 9287281
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**8.2**	**5.0**	**20**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.40**	**0.20**	**2.2**		**1.1**
n-Heptane	**0.20**	**0.50**	**0.83**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.39**	**0.50**	**1.4**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.046**	**0.50**	**0.22**	**J**	**2.3**
tert-Butyl alcohol	**0.16**	**2.0**	**0.49**	**J**	**6.1**
Methylene chloride	**0.69**	**0.50**	**2.4**	**B**	**1.7**
Benzene	**0.19**	**0.20**	**0.61**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.28**	**0.20**	**1.0**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.087**	**0.20**	**0.66**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.080**	**0.20**	**0.35**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.22**	**0.20**	**0.95**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.95**	**1.0**	**2.8**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.055**	**0.50**	**0.23**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.11**	**0.50**	**0.34**	**J**	**1.6**
Carbon tetrachloride	**0.11**	**0.20**	**0.70**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G100709

GC/MS Volatiles

Lot-Sample # H9J130164 - 002 Work Order # LMGK51AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.053**	**0.20**	**0.26**	**J**	**0.98**
Chloromethane	**0.75**	**0.50**	**1.6**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.078**	**0.50**	**0.27**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.73**	**0.20**	**3.6**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	**0.19**	**0.20**	**0.75**	**J**	**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	124	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-S100709

GC/MS Volatiles

Lot-Sample #	H9J130164 - 003	**Work Order #**	LMGK61AA	**Matrix.....:**	AIR

Date Sampled...:	10/07/2009	**Date Received..:**	10/13/2009
Prep Date.....:	10/13/2009	**Analysis Date...**	10/14/2009
Prep Batch #.....:	9287281		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**5.7**	**5.0**	**13**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.37**	**0.20**	**2.1**		**1.1**
n-Heptane	**0.17**	**0.50**	**0.69**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.26**	**0.50**	**0.90**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.055**	**0.50**	**0.26**	**J**	**2.3**
tert-Butyl alcohol	**0.88**	**2.0**	**2.7**	**J**	**6.1**
Methylene chloride	**0.41**	**0.50**	**1.4**	**J B**	**1.7**
Benzene	**0.15**	**0.20**	**0.49**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.25**	**0.20**	**0.94**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.086**	**0.20**	**0.66**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.15**	**0.20**	**0.73**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.077**	**0.20**	**0.33**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.18**	**0.20**	**0.76**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.27**	**1.0**	**0.81**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.055**	**0.50**	**0.22**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.13**	**0.20**	**0.81**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S100709

GC/MS Volatiles

Lot-Sample # H9J130164 - 003 Work Order # LMGK61AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.59**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.75**	**0.20**	**3.7**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	**0.081**	**0.20**	**0.33**	**J**	**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	126	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-W100709

GC/MS Volatiles

Lot-Sample #	H9J130164 - 004	Work Order #	LMGK71AA	Matrix.....:	AIR

Date Sampled...:	10/07/2009	Date Received..:	10/13/2009
Prep Date.....:	10/13/2009	Analysis Date...	10/14/2009
Prep Batch #.....:	9287281		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.7**	**5.0**	**16**		**12**
Ethylbenzene	**0.079**	**0.20**	**0.34**	**J**	**0.87**
Trichlorofluoromethane	**0.40**	**0.20**	**2.2**		**1.1**
n-Heptane	**0.19**	**0.50**	**0.79**	**J**	**2.0**
Hexachlorobutadiene	**0.084**	**1.0**	**0.90**	**J**	**11**
n-Hexane	**0.60**	**0.50**	**2.1**		**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.20**	**2.0**	**0.61**	**J**	**6.1**
Methylene chloride	**0.92**	**0.50**	**3.2**	**B**	**1.7**
Benzene	**0.14**	**0.20**	**0.45**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.24**	**0.20**	**0.90**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.096**	**0.20**	**0.74**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.18**	**0.20**	**0.86**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.11**	**0.20**	**0.48**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.31**	**0.20**	**1.4**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.62**	**1.0**	**1.8**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.086**	**0.50**	**0.27**	**J**	**1.6**
Carbon tetrachloride	**0.13**	**0.20**	**0.83**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W100709

GC/MS Volatiles

Lot-Sample # H9J130164 - 004 Work Order # LMGK71AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.043**	**0.20**	**0.21**	**J**	**0.98**
Chloromethane	**1.0**	**0.50**	**2.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.69**	**0.20**	**3.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	**0.12**	**0.20**	**0.48**	**J**	**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	123	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-COG100709

GC/MS Volatiles

Lot-Sample #	H9J130164 - 005	Work Order #	LMGLA1AA	Matrix.....:	AIR

Date Sampled...:	10/07/2009	Date Received..:	10/13/2009
Prep Date.....:	10/13/2009	Analysis Date...	10/14/2009
Prep Batch #.....:	9287281		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**2.7**	**5.0**	**6.3**	**J**	**12**
Ethylbenzene	**0.077**	**0.20**	**0.33**	**J**	**0.87**
Trichlorofluoromethane	**0.37**	**0.20**	**2.1**		**1.1**
n-Heptane	**0.16**	**0.50**	**0.66**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.41**	**0.50**	**1.5**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.049**	**0.50**	**0.23**	**J**	**2.3**
tert-Butyl alcohol	**0.038**	**2.0**	**0.12**	**J**	**6.1**
Methylene chloride	**0.77**	**0.50**	**2.7**	**B**	**1.7**
Benzene	**0.19**	**0.20**	**0.60**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.26**	**0.20**	**0.97**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.094**	**0.20**	**0.72**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.20**	**0.20**	**1.0**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.087**	**0.20**	**0.38**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.23**	**0.20**	**0.99**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.20**	**1.0**	**0.59**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.071**	**0.40**	**0.35**	**J**	**2.0**
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.14**	**0.20**	**0.87**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COG100709

GC/MS Volatiles

Lot-Sample # H9J130164 - 005 Work Order # LMGLA1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.049**	**0.20**	**0.24**	**J**	**0.98**
Chloromethane	**0.54**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.082**	**0.50**	**0.28**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.73**	**0.20**	**3.6**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	**0.20**	**0.20**	**0.82**		**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	121	60 - 140

Qualifiers

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9J140000 - 281B	**Work Order #**	LMJ331AA	**Matrix.....:**	AIR
	10/12/2009	**Date Received..:**	10/13/2009		
Prep Date.....:	10/13/2009	**Analysis Date...**	10/13/2009		
Prep Batch #.....:	9287281				
Dilution Factor.:	1	**Method.....:**	TO-15		

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	ND	5.0	ND		12
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	ND	0.20	ND		1.1
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	ND	0.50	ND		1.8
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.057**	**0.50**	**0.20**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9J140000 - 281B **Work Order #** LMJ331AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	ND	0.50	ND	1.0
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	ND	0.20	ND	0.99
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	123	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9J140000 - 281C **Work Order #** LMJ331AC **Matrix.....:** AIR

	10/12/2009	**Date Received..:**	10/13/2009
Prep Date.....:	10/13/2009	**Analysis Date...**	10/13/2009
Prep Batch #.....:	9287281		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	2.50	2.40	11	11	96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.50	3.04	17	21	122	60 - 140
Acetone	2.50	2.93	5.9	7.0	117	60 - 140
Ethylbenzene	2.50	2.21	11	9.6	88	70 - 130
Trichlorofluoromethane	2.50	3.23	14	18	129	60 - 140
n-Heptane	2.50	2.41	10	9.9	96	70 - 130
Hexachlorobutadiene	2.50	2.40	27	26	96	60 - 140
n-Hexane	2.50	2.36	8.8	8.3	94	70 - 130
2,2,4-Trimethylpentane	2.50	2.31	12	11	92	70 - 130
tert-Butyl alcohol	2.50	2.52	7.6	7.6	101	60 - 140
Methylene chloride	2.50	2.51	8.7	8.7	101	70 - 130
Benzene	2.50	1.95	8.0	6.2	78	70 - 130
Styrene	2.50	1.86	11	7.9	75	70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.08	17	14	83	70 - 130
Tetrachloroethene	2.50	2.24	17	15	89	70 - 130
Tetrahydrofuran	2.50	2.37	7.4	7.0	95	70 - 130
Toluene	2.50	1.92	9.4	7.2	77	70 - 130
1,2,4-Trichlorobenzene	2.50	1.94	19	14	78	60 - 140
1,1,1-Trichloroethane	2.50	2.95	14	16	118	70 - 130
1,1,2-Trichloroethane	2.50	2.13	14	12	85	70 - 130
Trichloroethene	2.50	1.93	13	10	77	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.50	2.29	19	18	92	70 - 130
1,2,4-Trimethylbenzene	2.50	2.25	12	11	90	70 - 130
1,3,5-Trimethylbenzene	2.50	2.10	12	10	84	70 - 130
Vinyl chloride	2.50	2.82	6.4	7.2	113	70 - 130
o-Xylene	2.50	2.27	11	9.9	91	70 - 130
Methyl tert-butyl ether	2.50	2.65	9.0	9.6	106	60 - 140
m-Xylene & p-Xylene	5.00	4.53	22	20	91	70 - 130
Bromodichloromethane	2.50	2.67	17	18	107	70 - 130
1,2-Dibromoethane (EDB)	2.50	2.25	19	17	90	70 - 130
2-Butanone (MEK)	2.50	2.20	7.4	6.5	88	60 - 140
4-Methyl-2-pentanone (MIBK)	2.50	2.31	10	9.5	93	60 - 140
Vinyl bromide	2.50	2.22	11	9.7	89	60 - 140
Bromoform	2.50	2.32	26	24	93	70 - 130
Bromomethane	2.50	2.12	9.7	8.2	85	70 - 130
1,3-Butadiene	2.50	3.15	5.5	7.0	126	60 - 140
4-Ethyltoluene	2.50	2.22	12	11	89	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9J140000 - 281C Work Order # LMJ331AC Matrix.....: AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY		RECOVERY LIMITS
Carbon disulfide	2.50	2.34	7.8	7.3	94		70 - 130
Carbon tetrachloride	2.50	2.88	16	18	115		70 - 130
Chlorobenzene	2.50	2.07	12	9.5	83		70 - 130
Dibromochloromethane	2.50	2.52	21	21	101		70 - 130
Chloroethane	2.50	2.03	6.6	5.4	81		70 - 130
Chloroform	2.50	2.71	12	13	109		70 - 130
Chloromethane	2.50	3.16	5.2	6.5	126		60 - 140
3-Chloropropene	2.50	2.78	7.8	8.7	111		70 - 130
2-Chlorotoluene	2.50	2.00	13	10	80		70 - 130
Cyclohexane	2.50	2.20	8.6	7.6	88		70 - 130
1,2-Dichlorobenzene	2.50	1.76	15	11	70		70 - 130
1,3-Dichlorobenzene	2.50	1.69	15	10	68	a	70 - 130
1,4-Dichlorobenzene	2.50	1.78	15	11	71		70 - 130
Dichlorodifluoromethane	2.50	3.17	12	16	127		60 - 140
1,1-Dichloroethane	2.50	2.46	10	9.9	98		70 - 130
1,2-Dichloroethane	2.50	3.07	10	12	123		70 - 130
1,1-Dichloroethene	2.50	2.04	9.9	8.1	82		70 - 130
cis-1,2-Dichloroethene	2.50	2.00	9.9	7.9	80		70 - 130
trans-1,2-Dichloroethene	2.50	2.16	9.9	8.6	86		70 - 130
1,2-Dichloropropane	2.50	2.19	12	10	88		70 - 130
cis-1,3-Dichloropropene	2.50	2.25	11	10	90		70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	122	60 - 140

Qualifiers

a Spiked analyte recovery is outside stated control limits.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Receipt Documentation

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

~~929~~ 975 Eastwind Drive, Suite ~~211~~ 190
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2115 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0100~~
~~Fax: (216) 737-0109~~

H9J130164

№ 8526

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7777
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SD-Sediment, SW-Surface Water, WW-Wastewater, GW-Groundwater, (O) Other

Containers Intact: At L&A (Y)/N; At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ AM/PM	Sample Location	Number of Containers	Turn Around/Requirements		Analysis / Method: VOC / TO-15												Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C100709				10/07/09	1440	Cell Tower	1			X														1411
SU-G100709				10/07/09	1440	Campground	1			X														1410
SU-S100709				10/07/09	1440	School	1			X														1317
SU-W100709				10/07/09	1440	Wetland	1			X														1397
SU-COG100709				10/07/09	1440	Co-Located Campground	1			X														0128

1 BOX RECD AMBIENT
FED EX # 8694 2482 7777
CUSTODY SEAL INTACT
10 CANS, 6 FLOWS
to 10/13/09

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	10/12/09 1500						
[signature]	10-9-09 0800	[signature]	10/13/09 10:15				

Comments:

Distributor: White - File; Yellow - Lab

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

1HJ130164

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: Lawhon & Associates, Inc.
Address: 975 Eastwind Dr., Suite 190
City/State/Zip: Westerville, Ohio 43081
Phone: 614-818-5200
FAX: 614-818-5219
Project Name: Countywide
Site/location: Community
PO # 07-0082

Project Manager: Shawn Ansbro
Phone:
Site Contact:
TAL Contact: Jamie McKinney

Sampled By: Rick Jones

2 of 2 COCs

Analysis Turnaround Time
Standard (Specify) X
Rush (Specify)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C100709	10/7/09	1500	1500	-28.5	-4.5	K406	11411	X											
SU-G100709				-28.5	-2.5	K324	1410	X											
SU-S100709				-28.5	0	K288	1317	X											
SU-W100709				-28.5	-5.5	K228	1397	X											
SU-COG100709				-28.5	-3.0	K322	0128	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
Return Can #12492, did not use.

Canisters Shipped by:	Date/Time: 10/12/09 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 10-9-09 0800	Received by:
Relinquished by:	Date/Time:	Received by:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

October 21, 2009

LABORATORY REPORT

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

Work Order: PSJ0673
Project Name: Countywide - Ambient Air
Project Number: Countywide / 07-0082
Date Received: 10/13/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 2.9°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

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

Work Order: PSJ0673
Project: Countywide - Ambient Air
Project Number: Countywide / 07-0082

Received: 10/13/09
Reported: 10/21/09 15:33

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
G100709-01H	PSJ0673-01	10/07/09	Silica Gel tube, 50/100 mg
G100709-02H	PSJ0673-02	10/07/09	Silica Gel tube, 50/100 mg
G100709-03H	PSJ0673-03	10/07/09	Silica Gel tube, 50/100 mg
S100709-01H	PSJ0673-04	10/07/09	Silica Gel tube, 50/100 mg
S100709-02H	PSJ0673-05	10/07/09	Silica Gel tube, 50/100 mg
S100709-03H	PSJ0673-06	10/07/09	Silica Gel tube, 50/100 mg
W100709-01H	PSJ0673-07	10/07/09	Silica Gel tube, 50/100 mg
W100709-02H	PSJ0673-08	10/07/09	Silica Gel tube, 50/100 mg
W100709-03H	PSJ0673-09	10/07/09	Silica Gel tube, 50/100 mg
100709A-H	PSJ0673-10	10/07/09	Silica Gel tube, 50/100 mg
G100709-01A	PSJ0673-11	10/07/09	DNPH Silica Gel Tube, 450 mg
G100709-02A	PSJ0673-12	10/07/09	DNPH Silica Gel Tube, 450 mg
G100709-03A	PSJ0673-13	10/07/09	DNPH Silica Gel Tube, 450 mg
S100709-01A	PSJ0673-14	10/07/09	DNPH Silica Gel Tube, 450 mg
S100709-02A	PSJ0673-15	10/07/09	DNPH Silica Gel Tube, 450 mg
S100709-03A	PSJ0673-16	10/07/09	DNPH Silica Gel Tube, 450 mg
W100709-01A	PSJ0673-17	10/07/09	DNPH Silica Gel Tube, 450 mg
W100709-02A	PSJ0673-18	10/07/09	DNPH Silica Gel Tube, 450 mg
W100709-03A	PSJ0673-19	10/07/09	DNPH Silica Gel Tube, 450 mg
100709A-A	PSJ0673-20	10/07/09	DNPH Silica Gel Tube, 450 mg

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

ANALYTICAL REPORT

Aldehydes and Ketones by EPA TO-11A (Modified)

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0673-11 (G100709-01A)		**Tube**		**Sample Air Volume:98.40L**			**Sampled: 10/07/09**	
							Prepared: 10/14/09 11:18	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0003049	<0.00005555	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.904	0.009187	0.005099	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0538	0.0005467	0.0003035	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.850	0.008638	0.004795	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetone	1.02	0.01037	0.004364	IH11	10/14/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0003049	<0.000133	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.104	0.001057	0.0002435	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.467	0.004746	0.001609	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0003049	<0.0001064	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.584	0.005935	0.004832	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0426	0.0004329	0.0003525	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.541	0.005498	0.004476	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.729	0.007409	0.001808	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0003049	<0.00008655	IH10	10/14/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0347	0.0003526	0.00007176	IH10	10/14/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0424	0.0004309	0.00008769	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.176	0.001789	0.000753	IH10	10/14/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0003049	<0.00006204	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.141	0.001433	0.0004068	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0673-12 (G100709-02A)		**Tube**		**Sample Air Volume:97.44L**			**Sampled: 10/07/09**	
							Prepared: 10/14/09 11:18	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0003079	<0.0000561	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.296	0.003038	0.001686	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetone	1.25	0.01283	0.0054	IH11	10/14/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.467	0.004793	0.002018	IH11	10/14/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.786	0.008067	0.003396	IH11	10/14/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0003079	<0.0001343	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0762	0.000782	0.0001802	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0003079	<0.0001044	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0003079	<0.0001074	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.298	0.003058	0.00249	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0416	0.0004269	0.0003476	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.256	0.002627	0.002139	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.252	0.002586	0.0006313	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0003079	<0.0000874	IH10	10/14/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0003079	<0.00006265	IH10	10/14/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0316	0.0003243	0.00006599	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.0686	0.000704	0.0002964	IH10	10/14/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0003079	<0.00006265	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0782	0.0008025	0.0002278	IH10	10/14/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0673-13 (G100709-03A)		**Tube**		**Sample Air Volume:127.68L**			**Sampled: 10/07/09**	
							Prepared: 10/14/09 11:18	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000235	<0.00004281	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.29	0.0101	0.005608	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetone	1.42	0.01112	0.004682	IH11	10/14/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.429	0.00336	0.001414	IH11	10/14/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.987	0.00773	0.003254	IH11	10/14/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000235	<0.0001025	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.146	0.001143	0.0002635	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.416	0.003258	0.001105	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0345	0.0002702	0.00009162	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.381	0.002984	0.001012	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000235	<0.00008196	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.682	0.005341	0.004349	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0412	0.0003227	0.0002627	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.641	0.00502	0.004088	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.571	0.004472	0.001092	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000235	<0.0000667	IH10	10/14/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0330	0.0002585	0.0000526	IH10	10/14/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0619	0.0004848	0.00009866	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.210	0.001645	0.0006924	IH10	10/14/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000235	<0.00004781	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.130	0.001018	0.000289	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0673-14 (S100709-01A)		**Tube**		**Sample Air Volume:108L**			**Sampled: 10/07/09**	
							Prepared: 10/14/09 11:18	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002778	<0.00005062	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.824	0.00763	0.004235	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetone	0.843	0.007806	0.003286	IH11	10/14/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002778	<0.0001211	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0822	0.0007611	0.0001754	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.445	0.00412	0.001397	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002778	<0.0000969	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.524	0.004852	0.00395	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0383	0.0003546	0.0002887	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.486	0.0045	0.003664	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.578	0.005352	0.001306	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002778	<0.00007885	IH10	10/14/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002778	<0.00005653	IH10	10/14/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0481	0.0004454	0.00009063	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.171	0.001583	0.0006665	IH10	10/14/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002778	<0.00005653	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.196	0.001815	0.0005152	IH10	10/14/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0673-15 (S100709-02A)		**Tube**	**Sample Air Volume:184.32L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 11:18	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001628	<0.00002966	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.269	0.001459	0.0008101	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetone	0.490	0.002658	0.001119	IH11	10/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001628	<0.00007098	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0474	0.0002572	0.00005925	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.140	0.0007595	0.0002575	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001628	<0.00005678	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.258	0.0014	0.00114	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0359	0.0001948	0.0001586	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.222	0.001204	0.0009806	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.178	0.0009657	0.0002357	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001628	<0.0000462	IH10	10/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001628	<0.00003312	IH10	10/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.0001628	<0.00003312	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.0563	0.0003054	0.0001286	IH10	10/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001628	<0.00003312	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0405	0.0002197	0.00006237	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0673-16 (S100709-03A)		**Tube**	**Sample Air Volume:133.92L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 11:18	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000224	<0.00004082	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.999	0.00746	0.004141	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetone	0.682	0.005093	0.002144	IH11	10/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000224	<0.00009769	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0815	0.0006086	0.0001402	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.294	0.002195	0.0007444	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000224	<0.00007814	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.554	0.004137	0.003368	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0387	0.000289	0.0002353	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.515	0.003846	0.003131	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.366	0.002733	0.0006671	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000224	<0.00006359	IH10	10/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000224	<0.00004559	IH10	10/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0533	0.000398	0.00008099	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.153	0.001142	0.0004809	IH10	10/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000224	<0.00004559	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.150	0.00112	0.000318	IH10	10/15/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSJ0673-17 (W100709-01A) — **Tube** — **Sample Air Volume:170.88L** — **Sampled: 10/07/09** — **Prepared: 10/14/09 11:18**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001756	<0.00003199	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.04	0.006086	0.003378	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetone	0.975	0.005706	0.002402	IH11	10/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001756	<0.00007656	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.109	0.0006379	0.000147	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.475	0.00278	0.0009425	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0307	0.0001797	0.00006092	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.444	0.002598	0.000881	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001756	<0.00006124	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.666	0.003897	0.003173	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0380	0.0002224	0.0001811	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.628	0.003675	0.002992	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.669	0.003915	0.0009557	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001756	<0.00004984	IH10	10/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001756	<0.00003573	IH10	10/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0497	0.0002908	0.00005919	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.199	0.001165	0.0004902	IH10	10/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001756	<0.00003573	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.218	0.001276	0.0003622	IH10	10/15/2009	zn	0.0300	EPA TO-11A

Sample ID: PSJ0673-18 (W100709-02A) — **Tube** — **Sample Air Volume:163.68L** — **Sampled: 10/07/09** — **Prepared: 10/14/09 11:18**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001833	<0.0000334	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.262	0.001601	0.0008885	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0393	0.0002401	0.0001333	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.223	0.001362	0.0007562	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.12	0.006843	0.002881	IH11	10/15/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.399	0.002438	0.001026	IH11	10/14/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.719	0.004393	0.001849	IH11	10/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001833	<0.00007993	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0618	0.0003776	0.00008699	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0001833	<0.00006215	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001833	<0.00006394	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.242	0.001478	0.001204	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0429	0.0002621	0.0002134	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.199	0.001216	0.0009899	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.148	0.0009042	0.0002207	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001833	<0.00005203	IH10	10/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001833	<0.0000373	IH10	10/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.0001833	<0.0000373	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.0458	0.0002798	0.0001178	IH10	10/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001833	<0.0000373	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0565	0.0003452	0.00009799	IH10	10/15/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0673-19 (W100709-03A)		**Tube**		**Sample Air Volume:161.76L**			**Sampled: 10/07/09**	
							Prepared: 10/14/09 11:18	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001855	<0.00003379	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.05	0.006491	0.003603	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.58	0.009768	0.004112	IH11	10/15/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.504	0.003116	0.001312	IH11	10/14/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.08	0.006677	0.002811	IH11	10/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001855	<0.00008088	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.156	0.0009644	0.0002222	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Back (e)	0.0482	0.000298	0.00006865	IH10	10/14/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Front	0.108	0.0006677	0.0001538	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.295	0.001824	0.0006183	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001855	<0.0000647	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.574	0.003548	0.002889	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0471	0.0002912	0.0002371	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.527	0.003258	0.002653	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.371	0.002294	0.0005599	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001855	<0.00005265	IH10	10/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001855	<0.00003774	IH10	10/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0589	0.0003641	0.0000741	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.161	0.0009953	0.000419	IH10	10/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001855	<0.00003774	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.104	0.0006429	0.0001825	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0673-20 (100709A-A)		**Tube**		**Sample Air Volume:L**			**Sampled: 10/07/09**	
							Prepared: 10/14/09 11:18	
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0387	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Acetone	0.539	--	--	IH11	10/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.132	--	--	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0414	--	--	IH11	10/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.0909	--	--	IH11	10/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	10/15/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

(e) = Analyte concentration > 10% of front result indicates possible breakthrough

Inorganic Acids by NIOSH 7903 (Modified)

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0673-01 (G100709-01H)			**Sample Air Volume:116.16L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrochloric Acid	<2.12	<0.01825	<0.01224	IH10	10/14/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01877	<0.02293	IH10	10/14/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0673-02 (G100709-02H)	**Tube**		**Sample Air Volume:109.44L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrochloric Acid	<2.12	<0.01937	<0.01299	IH10	10/14/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01992	<0.02434	IH10	10/14/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0673-03 (G100709-03H)	**Tube**		**Sample Air Volume:110.40L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrochloric Acid	<2.12	<0.0192	<0.01288	IH10	10/14/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01975	<0.02413	IH10	10/14/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0673-04 (S100709-01H)	**Tube**		**Sample Air Volume:125.76L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrochloric Acid	<2.12	<0.01686	<0.0113	IH10	10/14/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01733	<0.02118	IH10	10/14/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0673-05 (S100709-02H)	**Tube**		**Sample Air Volume:187.20L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrochloric Acid	<2.12	<0.01132	<0.007594	IH10	10/14/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01165	<0.01423	IH10	10/14/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0673-06 (S100709-03H)	**Tube**		**Sample Air Volume:162.24L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrochloric Acid	<2.12	<0.01307	<0.008763	IH10	10/14/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01344	<0.01642	IH10	10/14/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0673-07 (W100709-01H)	**Tube**		**Sample Air Volume:135.84L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrochloric Acid	<2.12	<0.01561	<0.01047	IH10	10/14/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01605	<0.01961	IH10	10/14/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0673-08 (W100709-02H)	**Tube**		**Sample Air Volume:141.12L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrochloric Acid	3.39	0.02402	0.01611	IH10	10/14/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01545	<0.01888	IH10	10/14/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0673-09 (W100709-03H)	**Tube**		**Sample Air Volume:123.36L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrochloric Acid	<2.12	<0.01719	<0.01152	IH10	10/14/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01767	<0.02159	IH10	10/14/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0673-10 (100709A-H)	**Tube**		**Sample Air Volume:L**				**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrochloric Acid	<2.12	--	--	IH10	10/14/2009	AY	2.12	NIOSH 7903 (MOD)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Inorganic Acids by NIOSH 7903 (Modified) - cont.								
Sample ID: PSJ0673-10 (100709A-H) - cont.		**Tube**		**Sample Air Volume:L**			**Sampled: 10/07/09**	
							Prepared: 10/14/09 13:00	
Hydrofluoric Acid	<2.18	--	--	IH10	10/14/2009	AY	2.18	NIOSH 7903 (MOD)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)							
P9J1430-BLK1							
Formaldehyde	0.08640		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Formaldehyde - Back	0.04181		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Acetaldehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Acetaldehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Acrolein	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Acrolein - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Acetone	0.9781		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Acetone - Back	0.4884		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Propionaldehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Crotonaldehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Butyraldehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Benzaldehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Isovaleraldehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Valeraldehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
o-Tolualdehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
m-Tolualdehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
p-Tolualdehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Hexaldehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9J1430		P9J1430-BLK1	10-14-2009
Inorganic Acids by NIOSH 7903 (Modified)							
P9J1433-BLK1							
Hydrochloric Acid	<2.12	IH10	ug, Total	P9J1433		P9J1433-BLK1	10-14-2009
Hydrochloric Acid - Back	<2.12	IH10	ug, Total	P9J1433		P9J1433-BLK1	10-14-2009
Hydrofluoric Acid	<2.18	IH10	ug, Total	P9J1433		P9J1433-BLK1	10-14-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)							
P9J1433-BLK1							
Hydrofluoric Acid - Back	<2.18	IH10	ug, Total	P9J1433		P9J1433-BLK1	10-14-2009

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9J1430-DUP1									
Formaldehyde	0.5410	0.5395	IH11	ug, Total	0.278	10	P9J1430	PSJ0673-11	10-14-2009
Acetaldehyde	0.8500	0.8485	IH10	ug, Total	0.177	10	P9J1430	PSJ0673-11	10-14-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9J1430	PSJ0673-11	10-14-2009
Acetone	1.020	1.012	IH11	ug, Total	0.787	10	P9J1430	PSJ0673-11	10-14-2009
Propionaldehyde	0.1760	0.1756	IH10	ug, Total	0.228	10	P9J1430	PSJ0673-11	10-14-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1430	PSJ0673-11	10-14-2009
Butyraldehyde	0.4670	0.4665	IH10	ug, Total	0.107	10	P9J1430	PSJ0673-11	10-14-2009
Benzaldehyde	0.1040	0.1099	IH10	ug, Total	5.52	10	P9J1430	PSJ0673-11	10-14-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1430	PSJ0673-11	10-14-2009
Valeraldehyde	0.1410	0.1405	IH10	ug, Total	0.355	10	P9J1430	PSJ0673-11	10-14-2009
o-Tolualdehyde	0.04240	0.04521	IH10	ug, Total	6.41	10	P9J1430	PSJ0673-11	10-14-2009
m-Tolualdehyde	0.03470	0.04026	IH10	ug, Total	14.8	10	P9J1430	PSJ0673-11	10-14-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9J1430	PSJ0673-11	10-14-2009
Hexaldehyde	0.7290	0.7308	IH10	ug, Total	0.247	10	P9J1430	PSJ0673-11	10-14-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1430	PSJ0673-11	10-14-2009

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9J1430-BS1								
Formaldehyde	0.45	0.5190	IH11	ug, Total	115%	22-134	P9J1430	10-14-2009
Acetaldehyde	0.45	0.4661	IH10	ug, Total	104%	51-142	P9J1430	10-14-2009
Acrolein	0.45	0.3711	IH10	ug, Total	83%	75-125	P9J1430	10-14-2009
Acetone	0.45	1.291	IH11, L1	ug, Total	287%	75-125	P9J1430	10-14-2009
Propionaldehyde	0.45	0.4873	IH10	ug, Total	108%	67-145	P9J1430	10-14-2009
Crotonaldehyde	0.45	0.4086	IH10	ug, Total	91%	66-146	P9J1430	10-14-2009
Butyraldehyde	0.45	0.4748	IH10	ug, Total	106%	56-141	P9J1430	10-14-2009
Benzaldehyde	0.45	0.4447	IH10	ug, Total	99%	57-142	P9J1430	10-14-2009
Isovaleraldehyde	0.45	0.4425	IH10	ug, Total	98%	66-144	P9J1430	10-14-2009
Valeraldehyde	0.45	0.4588	IH10	ug, Total	102%	66-144	P9J1430	10-14-2009
o-Tolualdehyde	0.45	0.4657	IH10	ug, Total	103%	39-130	P9J1430	10-14-2009
m-Tolualdehyde	0.45	0.4350	IH10	ug, Total	97%	73-143	P9J1430	10-14-2009
p-Tolualdehyde	0.45	0.4225	IH10	ug, Total	94%	66-147	P9J1430	10-14-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9J1430-BS1								
Hexaldehyde	0.45	0.4534	IH10	ug, Total	101%	65-145	P9J1430	10-14-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4324	IH10	ug, Total	96%	75-144	P9J1430	10-14-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9J1433-BS1								
Hydrochloric Acid	10.3	11.97	IH10	ug, Total	116%	70-130	P9J1433	10-14-2009
Hydrofluoric Acid	10.5	9.712	IH10	ug, Total	93%	70-130	P9J1433	10-14-2009

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)												
P9J1430-BSD1												
Formaldehyde		0.5144	IH11	ug, Total	0.45	114%	22-134	0.89	20	P9J1430		10-14-2009
Acetaldehyde		0.4624	IH10	ug, Total	0.45	103%	51-142	0.797	20	P9J1430		10-14-2009
Acrolein		0.3867	IH10	ug, Total	0.45	86%	75-125	4.12	20	P9J1430		10-14-2009
Acetone		0.7886	IH11,	ug, Total	0.45	175%	75-125	48.3	20	P9J1430		10-14-2009
Propionaldehyde		0.4871	IH10	ug, Total	0.45	108%	67-145	0.041	20	P9J1430		10-14-2009
Crotonaldehyde		0.4273	IH10	ug, Total	0.45	95%	66-146	4.47	20	P9J1430		10-14-2009
Butyraldehyde		0.5255	IH10	ug, Total	0.45	117%	56-141	10.1	20	P9J1430		10-14-2009
Benzaldehyde		0.4545	IH10	ug, Total	0.45	101%	57-142	2.18	20	P9J1430		10-14-2009
Isovaleraldehyde		0.4460	IH10	ug, Total	0.45	99%	66-144	0.788	20	P9J1430		10-14-2009
Valeraldehyde		0.4608	IH10	ug, Total	0.45	102%	66-144	0.435	20	P9J1430		10-14-2009
o-Tolualdehyde		0.4574	IH10	ug, Total	0.45	102%	39-130	1.8	20	P9J1430		10-14-2009
m-Tolualdehyde		0.4334	IH10	ug, Total	0.45	96%	73-143	0.368	20	P9J1430		10-14-2009
p-Tolualdehyde		0.4211	IH10	ug, Total	0.45	94%	66-147	0.332	20	P9J1430		10-14-2009
Hexaldehyde		0.4540	IH10	ug, Total	0.45	101%	65-145	0.132	20	P9J1430		10-14-2009
2,5-Dimethyl Benzaldehyde		0.4283	IH10	ug, Total	0.45	95%	75-144	0.953	20	P9J1430		10-14-2009
Inorganic Acids by NIOSH 7903 (Modified)												
P9J1433-BSD1												
Hydrochloric Acid		11.97	IH10	ug, Total	10.3	116%	70-130	0.00000223	30	P9J1433		10-14-2009
Hydrofluoric Acid		9.795	IH10	ug, Total	10.5	93%	70-130	0.851	30	P9J1433		10-14-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0673 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/13/09 Reported: 10/21/09 15:33	

DATA QUALIFIERS AND DEFINITIONS

IH10	Target analyte was not detected in the method blank at or above the reporting limit. The QC samples and client sample(s) were not blank corrected.
IH11	Target analyte was detected in the method blank at or above the reporting limit. The background was not subtracted from the QC samples or the client's sample(s).
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
R-11	RPD exceeded the laboratory control limit. See case narrative.

ADDITIONAL COMMENTS

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

975 ~~929~~ Eastwind Drive, Suite 190 ~~211~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~3115 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0900~~
~~Fax: (216) 737-0109~~

№ 8523

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7766
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SD-Sediment, SW-Surface Water, WW-Wastewater, GW-Groundwater, O-Other Air

Containers Intact: At L&A Y/N, At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method: HF	HCl	NIOSH 7903								Expected Conc. (H,M,L)	Hold	Remarks: Sample Flow Rate
G100709-01H				10/7/09	480	Campground	1		X	X	X							PSJ0673-01			0.242 l/min
G100709-02H				10/7/09	480	Campground	1		X	X	X							-02			0.228 "
G100709-03H				10/7/09	480	Campground	1		X	X	X							-03			0.230 "
S100709-01H				10/7/09	480	School	1		X	X	X							-04			0.262 l/min
S100709-02H				10/7/09	480	School	1		X	X	X							-05			0.390 "
S100709-03H				10/7/09	480	School	1		X	X	X							-06			0.338 "
W100709-01H				10/7/09	480	Wetland	1		X	X	X							-07			0.283 l/min
W100709-02H				10/7/09	480	Wetland	1		X	X	X							-08			0.294 "
W100709-03H				10/7/09	480	Wetland	1		X	X	X							-09			0.257 "
100709A-H				10/7/09		Field Blank	1		X	X	X							-10			No Flow Field Blank
XC100709-01H				10/7/09		Cell Tower	1		DO NOT ANALYZE												
XC100709-02H				10/7/09		Cell Tower	1		DO NOT ANALYZE												
XC100709-03H				10/7/09		Cell Tower	1		DO NOT ANALYZE												

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	10/12/09 1500						
[signature]	10-9-09 0800					[signature]	10-13-09 1020

Comments:
* Please Dispose of samples. Pump did not run thus need no analysis.

2.9°C
Custody Seals

Distributor: White - File; Yellow - Lab

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

975 ~~929~~ Eastwind Drive, Suite 190 ~~211~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2115 Freemon Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0100~~
~~Fax: (216) 737-0109~~

№ 8525

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7766

Page 2 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SD-Sediment, SW-Surface Water, WW-Wastewater, GW-Groundwater, O-Other AIR

Containers Intact: At L&A Y/N, At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method: Aldehyde TO-11	Ketone TO-11	Carbonyl TO-11									Expected Conc. (H,M,L)	Hold	Remarks: Sample Flow Rate
G100709-01A				10/7/09	480	Campground	1		X	X	X								-11			0.205 l/min
G100709-02A				10/7/09	480	Campground	1		X	X	X								-12			0.203 "
G100709-03A				10/7/09	480	Campground	1		X	X	X								-13			0.266 "
S100709-01A				10/7/09	480	School	1		X	X	X								-14			0.225 l/min
S100709-02A				10/7/09	480	School	1		X	X	X								-15			0.384 "
S100709-03A				10/7/09	480	School	1		X	X	X								-16			0.279 "
W100709-01A				10/7/09	480	Wetland	1		X	X	X								-17			0.356 l/min
W100709-02A				10/7/09	480	Wetland	1		X	X	X								-18			0.341 "
W100709-06A				10/7/09	480	Wetland	1		X	X	X								-19			0.337 "
~~1000~~																						
100709A-A				10/7/09		Field Blank	1		X	X	X								-20			No Flow Field Blank
C100709-01A				10/7/09		Cell Tower	1		Do Not ANALYZE													
C100709-02A				10/7/09		Cell Tower	1		Do Not ANALYZE													
C100709-03A				10/7/09		Cell Tower	1		Do Not ANALYZE													

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	10/12/09 1500						
	10-9-09 0800					Paul Hamm	10-13-09 1020

Comments:
* Please Dispose of Samples. Pump did not run thus need no analysis.

2.9gal Custody Seals

Distributor: White - File; Yellow - Lab

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #30

November 20, 2009

APPENDIX E. Laboratory Analytical Results from Event #146:
Tuesday, October 13 to Wednesday, October 14, 2009

Test America Laboratories-Knoxville: EPA Method TO-15M
Test America Laboratories-Phoenix: EPA Method TO-11A, NIOSH 7903

SAMPLE SUMMARY

H9J160302

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LMQK6	001	SU-C101309	10/13/09	
LMQLH	002	SU-G101309	10/13/09	
LMQLJ	003	SU-S101309	10/13/09	
LMQLM	004	SU-W101309	10/13/09	
LMQLP	005	SU-COW101309	10/13/09	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H9J160302

The results reported herein are applicable to the samples submitted for analysis only.

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

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Lab #88-0688, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Lab #PH-0223, Florida DOH Lab #E87177, Georgia DNR Lab #906, Hawaii DOH, Illinois EPA Lab #200012, Indiana DOH Lab #C-TN-02, Iowa DNR Lab #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH, Maryland DOE Cert. #277, Michigan DEQ Lab #9933, Nevada DEP, New Jersey DEP Lab #TN001, New York DOH Lab #10781, North Carolina DPH Lab #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Lab #CL0059, Oklahoma DEQ Lab #9415, Pennsylvania DEP Lab #68-00576, South Carolina DHEC Cert #84001001, Tennessee DOH Lab #02014, Texas CEQ, Utah DOH Lab # QUAN3, Virginia DGS Lab #00165, Washington DOE Lab #C1314, West Virginia DEP Cert. #345, West Virginia DHHR Cert #9955C, Wisconsin DNR Lab #998044300, Naval Facilities Engineering Service Center and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-C101309

GC/MS Volatiles

Lot-Sample # H9J160302 - 001 Work Order # LMQK61AA Matrix.....: AIR

Date Sampled...: 10/13/2009 Date Received..: 10/16/2009
Prep Date.....: 10/19/2009 Analysis Date... 10/19/2009
Prep Batch #.....: 9293268
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**3.7**	**5.0**	**8.7**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.26**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.15**	**0.50**	**0.60**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.19**	**0.50**	**0.68**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.042**	**0.50**	**0.20**	**J**	**2.3**
tert-Butyl alcohol	**0.17**	**2.0**	**0.51**	**J**	**6.1**
Methylene chloride	**0.19**	**0.50**	**0.64**	**J**	**1.7**
Benzene	**0.23**	**0.20**	**0.74**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.34**	**0.20**	**1.3**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.071**	**0.20**	**0.55**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.16**	**0.20**	**0.79**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.075**	**0.20**	**0.32**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.19**	**0.20**	**0.81**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.28**	**1.0**	**0.84**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.087**	**0.20**	**0.55**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C101309

GC/MS Volatiles

Lot-Sample # H9J160302 - 001 Work Order # LMQK61AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.60**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.072**	**0.50**	**0.25**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.58**	**0.20**	**2.9**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-G101309

GC/MS Volatiles

Lot-Sample #	H9J160302 - 002	Work Order #	LMQLH1AA	Matrix.....:	AIR

Date Sampled...:	10/13/2009	Date Received..:	10/16/2009
Prep Date.....:	10/19/2009	Analysis Date...	10/19/2009
Prep Batch #.....:	9293268		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.1**	**5.0**	**14**		**12**
Ethylbenzene	**0.088**	**0.20**	**0.38**	**J**	**0.87**
Trichlorofluoromethane	**0.26**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.22**	**0.50**	**0.89**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.34**	**0.50**	**1.2**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.055**	**0.50**	**0.26**	**J**	**2.3**
tert-Butyl alcohol	**0.12**	**2.0**	**0.37**	**J**	**6.1**
Methylene chloride	**0.23**	**0.50**	**0.81**	**J**	**1.7**
Benzene	**0.46**	**0.20**	**1.5**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.55**	**0.20**	**2.1**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.075**	**0.20**	**0.57**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.14**	**0.20**	**0.68**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.13**	**0.20**	**0.57**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.36**	**0.20**	**1.6**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.78**	**1.0**	**2.3**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.043**	**0.50**	**0.13**	**J**	**1.6**
Carbon tetrachloride	**0.097**	**0.20**	**0.61**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G101309

GC/MS Volatiles

Lot-Sample # H9J160302 - 002 Work Order # LMQLH1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	**0.040**	**0.20**	**0.11**	**J**	**0.53**
Chloroform	**0.055**	**0.20**	**0.27**	**J**	**0.98**
Chloromethane	**0.68**	**0.50**	**1.4**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.074**	**0.50**	**0.26**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.63**	**0.20**	**3.1**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	**0.57**	**0.20**	**2.3**		**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-S101309

GC/MS Volatiles

Lot-Sample #	H9J160302 - 003	Work Order #	LMQLJ1AA	Matrix.....:	AIR

Date Sampled...:	10/13/2009	Date Received..:	10/16/2009
Prep Date.....:	10/19/2009	Analysis Date...	10/19/2009
Prep Batch #.....:	9293268		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**4.6**	**5.0**	**11**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.15**	**0.50**	**0.62**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.23**	**0.50**	**0.81**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.059**	**0.50**	**0.27**	**J**	**2.3**
tert-Butyl alcohol	**0.074**	**2.0**	**0.22**	**J**	**6.1**
Methylene chloride	**0.26**	**0.50**	**0.89**	**J**	**1.7**
Benzene	**0.31**	**0.20**	**0.98**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.41**	**0.20**	**1.6**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.066**	**0.20**	**0.51**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.28**	**0.20**	**1.4**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.092**	**0.20**	**0.40**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.24**	**0.20**	**1.0**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.49**	**1.0**	**1.4**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.048**	**0.50**	**0.20**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.071**	**0.40**	**0.35**	**J**	**2.0**
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.092**	**0.20**	**0.58**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S101309

GC/MS Volatiles

Lot-Sample # H9J160302 - 003 Work Order # LMQLJ1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.48**	**0.50**	**0.99**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.092**	**0.50**	**0.32**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.56**	**0.20**	**2.8**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	**0.12**	**0.20**	**0.49**	**J**	**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-W101309

GC/MS Volatiles

Lot-Sample #	H9J160302 - 004	Work Order #	LMQLM1AA	Matrix.....:	AIR

Date Sampled...:	10/13/2009	Date Received..:	10/16/2009
Prep Date.....:	10/19/2009	Analysis Date...	10/19/2009
Prep Batch #.....:	9293268		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**8.1**	**5.0**	**19**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.29**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.22**	**0.50**	**0.89**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.32**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.048**	**0.50**	**0.22**	**J**	**2.3**
tert-Butyl alcohol	**0.16**	**2.0**	**0.49**	**J**	**6.1**
Methylene chloride	**0.25**	**0.50**	**0.86**	**J**	**1.7**
Benzene	**0.20**	**0.20**	**0.65**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.36**	**0.20**	**1.3**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.074**	**0.20**	**0.57**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.26**	**0.20**	**1.3**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.079**	**0.20**	**0.34**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.26**	**0.20**	**1.1**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.90**	**1.0**	**2.7**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.099**	**0.20**	**0.62**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W101309

GC/MS Volatiles

Lot-Sample # H9J160302 - 004 Work Order # LMQLM1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.50**	**0.50**	**1.0**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.13**	**0.50**	**0.43**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.60**	**0.20**	**3.0**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: SU-COW101309

GC/MS Volatiles

Lot-Sample #	H9J160302 - 005	Work Order #	LMQLP1AA	Matrix.....:	AIR

Date Sampled...:	10/13/2009	Date Received..:	10/16/2009
Prep Date.....:	10/19/2009	Analysis Date...	10/19/2009
Prep Batch #.....:	9293268		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**4.5**	**5.0**	**11**	**J**	**12**
Ethylbenzene	**0.11**	**0.20**	**0.48**	**J**	**0.87**
Trichlorofluoromethane	**0.28**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.20**	**0.50**	**0.81**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.31**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.052**	**0.50**	**0.24**	**J**	**2.3**
tert-Butyl alcohol	**0.068**	**2.0**	**0.21**	**J**	**6.1**
Methylene chloride	**0.26**	**0.50**	**0.91**	**J**	**1.7**
Benzene	**0.23**	**0.20**	**0.72**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.42**	**0.20**	**1.6**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.072**	**0.20**	**0.56**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.071**	**0.20**	**0.35**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.098**	**0.20**	**0.42**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.29**	**0.20**	**1.2**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.45**	**1.0**	**1.3**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.097**	**0.20**	**0.61**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COW101309

GC/MS Volatiles

Lot-Sample # H9J160302 - 005 Work Order # LMQLP1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.59**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.10**	**0.50**	**0.36**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.59**	**0.20**	**2.9**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9J200000 - 268B	**Work Order #**	LMWRA1AA	**Matrix.....:**	AIR

	10/13/2009	**Date Received..:**	10/16/2009
Prep Date.....:	10/19/2009	**Analysis Date...**	10/19/2009
Prep Batch #.....:	9293268		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND	0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND	1.4
Acetone	ND	5.0	ND	12
Ethylbenzene	ND	0.20	ND	0.87
Trichlorofluoromethane	ND	0.20	ND	1.1
n-Heptane	ND	0.50	ND	2.0
Hexachlorobutadiene	ND	1.0	ND	11
n-Hexane	ND	0.50	ND	1.8
2,2,4-Trimethylpentane	ND	0.50	ND	2.3
tert-Butyl alcohol	ND	2.0	ND	6.1
Methylene chloride	ND	0.50	ND	1.7
Benzene	ND	0.20	ND	0.64
Styrene	ND	0.20	ND	0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4
Tetrachloroethene	ND	0.20	ND	1.4
Tetrahydrofuran	ND	1.0	ND	2.9
Toluene	ND	0.20	ND	0.75
1,2,4-Trichlorobenzene	ND	1.0	ND	7.4
1,1,1-Trichloroethane	ND	0.20	ND	1.1
1,1,2-Trichloroethane	ND	0.20	ND	1.1
Trichloroethene	ND	0.20	ND	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND	1.5
1,2,4-Trimethylbenzene	ND	0.20	ND	0.98
1,3,5-Trimethylbenzene	ND	0.20	ND	0.98
Vinyl chloride	ND	0.20	ND	0.51
o-Xylene	ND	0.20	ND	0.87
Methyl tert-butyl ether	ND	1.0	ND	3.6
m-Xylene & p-Xylene	ND	0.20	ND	0.87
Bromodichloromethane	ND	0.20	ND	1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5
2-Butanone (MEK)	ND	1.0	ND	2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND	2.0
Vinyl bromide	ND	0.20	ND	0.87
Bromoform	ND	0.20	ND	2.1
Bromomethane	ND	0.20	ND	0.78
1,3-Butadiene	ND	0.40	ND	0.88
4-Ethyltoluene	ND	0.40	ND	2.0
Carbon disulfide	ND	0.50	ND	1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9J200000 - 268B **Work Order #** LMWRA1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	ND	0.50	ND	1.0
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	ND	0.20	ND	0.99
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9J200000 - 268C **Work Order #** LMWRA1AC **Matrix.....:** AIR

	10/13/2009	**Date Received..:**	10/16/2009
Prep Date.....:	10/19/2009	**Analysis Date...**	10/19/2009
Prep Batch #.....:	9293268		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
trans-1,3-Dichloropropene	2.50	2.00	11	9.1	80	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.50	2.32	17	16	93	60 - 140
Acetone	2.50	2.83	5.9	6.7	113	60 - 140
Ethylbenzene	2.50	2.12	11	9.2	85	70 - 130
Trichlorofluoromethane	2.50	2.37	14	13	95	60 - 140
n-Heptane	2.50	2.18	10	9.0	87	70 - 130
Hexachlorobutadiene	2.50	2.22	27	24	89	60 - 140
n-Hexane	2.50	2.36	8.8	8.3	94	70 - 130
2,2,4-Trimethylpentane	2.50	2.25	12	11	90	70 - 130
tert-Butyl alcohol	2.50	2.12	7.6	6.4	85	60 - 140
Methylene chloride	2.50	2.07	8.7	7.2	83	70 - 130
Benzene	2.50	2.09	8.0	6.7	83	70 - 130
Styrene	2.50	1.94	11	8.3	78	70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.07	17	14	83	70 - 130
Tetrachloroethene	2.50	2.04	17	14	81	70 - 130
Tetrahydrofuran	2.50	2.38	7.4	7.0	95	70 - 130
Toluene	2.50	2.11	9.4	8.0	85	70 - 130
1,2,4-Trichlorobenzene	2.50	2.51	19	19	100	60 - 140
1,1,1-Trichloroethane	2.50	2.24	14	12	89	70 - 130
1,1,2-Trichloroethane	2.50	2.10	14	11	84	70 - 130
Trichloroethene	2.50	1.93	13	10	77	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.50	2.33	19	18	93	70 - 130
1,2,4-Trimethylbenzene	2.50	2.17	12	11	87	70 - 130
1,3,5-Trimethylbenzene	2.50	2.04	12	10	82	70 - 130
Vinyl chloride	2.50	2.39	6.4	6.1	96	70 - 130
o-Xylene	2.50	2.10	11	9.1	84	70 - 130
Methyl tert-butyl ether	2.50	2.42	9.0	8.7	97	60 - 140
m-Xylene & p-Xylene	5.00	4.31	22	19	86	70 - 130
Bromodichloromethane	2.50	2.12	17	14	85	70 - 130
1,2-Dibromoethane (EDB)	2.50	1.89	19	15	76	70 - 130
2-Butanone (MEK)	2.50	2.35	7.4	6.9	94	60 - 140
4-Methyl-2-pentanone (MIBK)	2.50	2.14	10	8.8	86	60 - 140
Vinyl bromide	2.50	2.32	11	10	93	60 - 140
Bromoform	2.50	2.00	26	21	80	70 - 130
Bromomethane	2.50	2.46	9.7	9.6	99	70 - 130
1,3-Butadiene	2.50	2.36	5.5	5.2	94	60 - 140
4-Ethyltoluene	2.50	2.20	12	11	88	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9J200000 - 268C Work Order # LMWRA1AC Matrix.....: AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Carbon disulfide	2.50	2.28	7.8	7.1	91	70 - 130
Carbon tetrachloride	2.50	2.29	16	14	92	70 - 130
Chlorobenzene	2.50	1.95	12	9.0	78	70 - 130
Dibromochloromethane	2.50	1.99	21	17	80	70 - 130
Chloroethane	2.50	2.38	6.6	6.3	95	70 - 130
Chloroform	2.50	2.16	12	11	86	70 - 130
Chloromethane	2.50	2.53	5.2	5.2	101	60 - 140
3-Chloropropene	2.50	2.30	7.8	7.2	92	70 - 130
2-Chlorotoluene	2.50	2.10	13	11	84	70 - 130
Cyclohexane	2.50	2.18	8.6	7.5	87	70 - 130
1,2-Dichlorobenzene	2.50	2.19	15	13	87	70 - 130
1,3-Dichlorobenzene	2.50	2.21	15	13	89	70 - 130
1,4-Dichlorobenzene	2.50	2.19	15	13	88	70 - 130
Dichlorodifluoromethane	2.50	2.41	12	12	96	60 - 140
1,1-Dichloroethane	2.50	2.17	10	8.8	87	70 - 130
1,2-Dichloroethane	2.50	2.20	10	8.9	88	70 - 130
1,1-Dichloroethene	2.50	2.23	9.9	8.9	89	70 - 130
cis-1,2-Dichloroethene	2.50	2.13	9.9	8.4	85	70 - 130
trans-1,2-Dichloroethene	2.50	2.27	9.9	9.0	91	70 - 130
1,2-Dichloropropane	2.50	2.11	12	9.7	84	70 - 130
cis-1,3-Dichloropropene	2.50	2.06	11	9.3	82	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	60 - 140

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Receipt Documentation

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

975 (~~929~~) Eastwind Drive, Suite 190 (~~211~~)
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2113 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0109~~
~~Fax: (216) 737-0108~~

№ 8531

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7788
Page 1 of 2

H9J160302

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SW-Surface Water, GW-Groundwater, SD-Sediment, WW-Wastewater, O-Other AIR

Containers Intact: At L&A Y/N; At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis (Method TO-15 VOC)	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C101309				10/13/09	1440	Cell Tower	1		X			6592
SU-G101309				10/13/09	1440	Campground	1		X			1152
SU-S101309				10/13/09	1440	School	1		X			7492
SU-W101309				10/13/09	1440	Wetland	1		X			6522
SU-COW101309				10/13/09	1440	Co-located Wetland	1		X			6132

BOX REC'D AMBIENT
FED EX # 8694 2482 7788
NO CUSTODY SEAL
TS 10/16/09

6 CANS / 6 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	10/15/09 1600	[signature]	10/16/09 ~~14:33~~	10:00AM			
[signature]	10-14-09 1800						

Comments:

Distributor: White - File; Yellow - Lab

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H9J160302

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: Lawhon & Associates, Inc.
Address: 975 Eastwind Dr., Suite 190
City/State/Zip Westerville, Ohio 43081
Phone: 614-818-5200
FAX: 614-818-5219
Project Name: Countywide
Site/location: Community
PO # 07-0082

Project Manager: Shawn Ansbro
Phone:
Site Contact:
TAL Contact: Jamie McKinney

Sampled By: Rick Jones

2 of 2 COCs

Analysis Turnaround Time
Standard (Specify) X
Rush (Specify)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type Soil Vapor	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C101309	10/13/09	10/13/09 15:00	10/14/09 15:00	-28.0	-2.5	K318	6592	X											
SU-G101309	↓	↓	↓	-28.0	-2.0	K122	1152	X											
SU-S101309	↓	↓	↓	-28.0	-4.0	K158	7492	X											
SU-W101309	↓	↓	↓	-28.0	-4.5	K397	6522	X											
SU-COW101309	↓	↓	↓	-28.0	-5.0	K236	6132	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
Return can #43A; did not use.

Canisters Shipped by:	Date/Time: 10/15/09 1600	Canisters Received by:	
Samples Relinquished by:	Date/Time: 10-14-09 1800	Received by: Smith	10/16/09 10:00AM
Relinquished by:	Date/Time:	Received by:	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

October 23, 2009

LABORATORY REPORT

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

Work Order:	PSJ0974
Project Name:	Countywide - Ambient Air
Project Number:	Countywide / 07-0082
Date Received:	10/16/09
Final Report:	10/23/09 11:05

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 11.3°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

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

Work Order: PSJ0974
Project: Countywide - Ambient Air
Project Number: Countywide / 07-0082

Received: 10/16/09
Reported: 10/23/09 11:05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C101309-01H	PSJ0974-01	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
C101309-02H	PSJ0974-02	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
C101309-03H	PSJ0974-03	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
G101309-01H	PSJ0974-04	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
G101309-02H	PSJ0974-05	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
G101309-03H	PSJ0974-06	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
S101309-01H	PSJ0974-07	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
S101309-02H	PSJ0974-08	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
S101309-03H	PSJ0974-09	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
W101309-01H	PSJ0974-10	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
W101309-02H	PSJ0974-11	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
W101309-03H	PSJ0974-12	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
101309A-H	PSJ0974-13	10/13/09	Silica Gel tube, 200/400 mg Specially cleaned
C101309-01A	PSJ0974-14	10/13/09	DNPH Silica Gel Tube, 450 mg
C101309-02A	PSJ0974-15	10/13/09	DNPH Silica Gel Tube, 450 mg
C101309-03A	PSJ0974-16	10/13/09	DNPH Silica Gel Tube, 450 mg
G101309-01A	PSJ0974-17	10/13/09	DNPH Silica Gel Tube, 450 mg
G101309-02A	PSJ0974-18	10/13/09	DNPH Silica Gel Tube, 450 mg
G101309-03A	PSJ0974-19	10/13/09	DNPH Silica Gel Tube, 450 mg
S101309-01A	PSJ0974-20	10/13/09	DNPH Silica Gel Tube, 450 mg
S101309-02A	PSJ0974-21	10/13/09	DNPH Silica Gel Tube, 450 mg
S101309-03A	PSJ0974-22	10/13/09	DNPH Silica Gel Tube, 450 mg
W101309-01A	PSJ0974-23	10/13/09	DNPH Silica Gel Tube, 450 mg
W101309-02A	PSJ0974-24	10/13/09	DNPH Silica Gel Tube, 450 mg
W101309-03A	PSJ0974-25	10/13/09	DNPH Silica Gel Tube, 450 mg
101309A-A	PSJ0974-26	10/13/09	DNPH Silica Gel Tube, 450 mg

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

ANALYTICAL REPORT

Aldehydes and Ketones by EPA TO-11A (Modified)

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0974-14 (C101309-01A)		**Tube**		**Sample Air Volume:145.44L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 09:40	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002063	<0.00003759	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.02	0.007013	0.003893	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	1.24	0.008526	0.003589	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002063	<0.00008996	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0718	0.0004937	0.0001137	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0002063	<0.00006994	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002063	<0.00007195	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.446	0.003067	0.002497	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0370	0.0002544	0.0002071	IH11	10/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.409	0.002812	0.00229	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.480	0.0033	0.0008056	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002063	<0.00005855	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0303	0.0002083	0.00004239	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0503	0.0003458	0.00007038	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.201	0.001382	0.0005818	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002063	<0.00004198	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.165	0.001134	0.0003221	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0974-15 (C101309-02A)		**Tube**		**Sample Air Volume:128.16L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 09:40	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002341	<0.00004265	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.539	0.004206	0.002334	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	0.764	0.005961	0.00251	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002341	<0.0001021	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0596	0.000465	0.0001071	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0002341	<0.00007937	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002341	<0.00008166	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.353	0.002754	0.002243	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0379	0.0002957	0.0002408	IH11	10/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.315	0.002458	0.002001	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.229	0.001787	0.0004362	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002341	<0.00006645	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002341	<0.00004763	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0434	0.0003386	0.00006891	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.113	0.0008817	0.0003712	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002341	<0.00004763	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0536	0.0004182	0.0001187	IH10	10/20/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0974-16 (C101309-03A)		**Tube**		**Sample Air Volume:155.04L**			**Sampled: 10/13/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/19/09 09:40**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001935	<0.00003526	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.732	0.004721	0.002621	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	0.778	0.005018	0.002112	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001935	<0.00008439	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0689	0.0004444	0.0001024	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0001935	<0.00006561	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001935	<0.0000675	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.391	0.002522	0.002053	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0393	0.0002535	0.0002064	IH11	10/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.352	0.00227	0.001849	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.284	0.001832	0.0004472	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001935	<0.00005493	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001935	<0.00003938	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0441	0.0002844	0.00005788	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.137	0.0008836	0.000372	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001935	<0.00003938	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0761	0.0004908	0.0001393	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0974-17 (G101309-01A)		**Tube**		**Sample Air Volume:107.52L**			**Sampled: 10/13/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/19/09 09:40**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000279	<0.00005084	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.981	0.009124	0.005064	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0369	0.0003432	0.0001905	IH10	10/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.944	0.00878	0.004873	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	1.07	0.009952	0.004189	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000279	<0.0001217	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0871	0.0008101	0.0001866	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000279	<0.00009461	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000279	<0.00009733	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.562	0.005227	0.004256	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0369	0.0003432	0.0002794	IH11	10/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.525	0.004883	0.003976	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.553	0.005143	0.001256	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000279	<0.00007921	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000279	<0.00005678	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0672	0.000625	0.0001272	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.173	0.001609	0.0006773	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000279	<0.00005678	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.167	0.001553	0.0004409	IH10	10/20/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0974-18 (G101309-02A)		**Tube**		**Sample Air Volume:109.92L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 09:40	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002729	<0.00004973	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.425	0.003866	0.002146	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0397	0.0003612	0.0002005	IH10	10/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.385	0.003503	0.001944	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	0.653	0.005941	0.002501	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002729	<0.000119	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0684	0.0006223	0.0001434	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0002729	<0.00009254	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002729	<0.00009521	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.312	0.002838	0.002311	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0415	0.0003775	0.0003074	IH11	10/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.271	0.002465	0.002007	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.214	0.001947	0.0004752	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002729	<0.00007748	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002729	<0.00005554	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0321	0.000292	0.00005943	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.0773	0.0007032	0.000296	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002729	<0.00005554	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0776	0.000706	0.0002004	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0974-19 (G101309-03A)		**Tube**		**Sample Air Volume:149.76L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 09:40	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002003	<0.0000365	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.811	0.005415	0.003006	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0323	0.0002157	0.0001197	IH10	10/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.779	0.005202	0.002887	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	0.699	0.004667	0.001965	IH11, IH10	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002003	<0.00008736	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0882	0.0005889	0.0001357	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0002003	<0.00006792	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002003	<0.00006988	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.477	0.003185	0.002593	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0438	0.0002925	0.0002381	IH11	10/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.433	0.002891	0.002354	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.361	0.002411	0.0005884	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002003	<0.00005687	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002003	<0.00004076	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0441	0.0002945	0.00005992	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.135	0.0009014	0.0003795	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002003	<0.00004076	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.0002003	<0.00005687	IH10	10/20/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0974-20 (S101309-01A)		**Tube**		**Sample Air Volume:110.88L**			**Sampled: 10/13/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/19/09 09:40**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002706	<0.0000493	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.43	0.0129	0.007158	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0432	0.0003896	0.0002163	IH10	10/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.39	0.01254	0.006958	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	1.18	0.01064	0.00448	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002706	<0.000118	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0744	0.000671	0.0001546	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0002706	<0.00009174	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002706	<0.00009438	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.501	0.004518	0.003679	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0407	0.0003671	0.0002989	IH11	10/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.460	0.004149	0.003378	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.469	0.00423	0.001033	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002706	<0.00007681	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002706	<0.00005506	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0541	0.0004879	0.00009929	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.196	0.001768	0.0007441	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002706	<0.00005506	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.170	0.001533	0.0004352	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0974-21 (S101309-02A)		**Tube**		**Sample Air Volume:202.56L**			**Sampled: 10/13/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/19/09 09:40**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001481	<0.00002699	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.409	0.002019	0.001121	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0331	0.0001634	0.0000907	IH10	10/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.376	0.001856	0.00103	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	0.619	0.003056	0.001286	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001481	<0.00006459	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0412	0.0002034	0.00004686	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0001481	<0.00005022	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001481	<0.00005166	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.237	0.00117	0.0009526	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0381	0.0001881	0.0001531	IH11	10/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.199	0.0009824	0.0007999	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.149	0.0007356	0.0001796	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001481	<0.00004204	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001481	<0.00003014	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0300	0.0001481	0.00003014	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.0749	0.0003698	0.0001557	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001481	<0.00003014	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0633	0.0003125	0.00008871	IH10	10/20/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0974-22 (S101309-03A)		**Tube**		**Sample Air Volume:145.92L**			**Sampled: 10/13/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/19/09 09:40**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002056	<0.00003746	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.629	0.004311	0.002393	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	0.555	0.003803	0.001601	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002056	<0.00008966	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0672	0.0004605	0.0001061	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0002056	<0.00006971	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002056	<0.00007172	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.395	0.002707	0.002204	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0377	0.0002584	0.0002104	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.357	0.002447	0.001992	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.235	0.00161	0.0003931	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002056	<0.00005836	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002056	<0.00004184	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0501	0.0003433	0.00006987	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.109	0.000747	0.0003145	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002056	<0.00004184	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.105	0.0007196	0.0002043	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0974-23 (W101309-01A)		**Tube**		**Sample Air Volume:191.04L**			**Sampled: 10/13/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/19/09 09:40**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000157	<0.00002861	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.09	0.005706	0.003167	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0383	0.0002005	0.0001113	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.05	0.005496	0.003051	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	1.22	0.006386	0.002688	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000157	<0.00006848	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0862	0.0004512	0.000104	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000157	<0.00005325	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000157	<0.00005478	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.603	0.003156	0.00257	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0443	0.0002319	0.0001888	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.559	0.002926	0.002382	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.530	0.002774	0.0006772	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000157	<0.00004458	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000157	<0.00003196	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0612	0.0003204	0.00006519	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.187	0.0009789	0.0004121	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000157	<0.00003196	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.170	0.0008899	0.0002526	IH10	10/20/2009	zn	0.0300	EPA TO-11A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0974-24 (W101309-02A)		**Tube**		**Sample Air Volume:182.88L**			**Sampled: 10/13/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/19/09 09:40**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000164	<0.00002989	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.354	0.001936	0.001074	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	0.778	0.004254	0.001791	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000164	<0.00007154	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0500	0.0002734	0.00006299	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000164	<0.00005562	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000164	<0.00005722	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.281	0.001537	0.001251	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0380	0.0002078	0.0001692	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.243	0.001329	0.001082	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.156	0.000853	0.0002082	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000164	<0.00004657	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000164	<0.00003338	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0302	0.0001651	0.0000336	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.0624	0.0003412	0.0001436	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000164	<0.00003338	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0541	0.0002958	0.00008398	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Sample ID: PSJ0974-25 (W101309-03A)		**Tube**		**Sample Air Volume:180.96L**			**Sampled: 10/13/09**	
	ug, Total	mg/m3	ppm				**Prepared: 10/19/09 09:40**	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001658	<0.00003021	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.588	0.003249	0.001804	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	0.600	0.003316	0.001396	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001658	<0.0000723	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0557	0.0003078	0.00007092	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0001658	<0.00005621	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001658	<0.00005783	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.369	0.002039	0.00166	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0354	0.0001956	0.0001593	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.334	0.001846	0.001503	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.218	0.001205	0.0002941	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001658	<0.00004706	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001658	<0.00003374	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0385	0.0002128	0.00004329	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.102	0.0005637	0.0002373	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001658	<0.00003374	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0991	0.0005476	0.0001555	IH10	10/20/2009	zn	0.0300	EPA TO-11A

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0974-26 (101309A-A)		**Tube**		**Sample Air Volume:L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 09:40	
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0359	--	--	IH10, IH11	10/20/2009	zn	0.0300	EPA TO-11A
Acetone	0.436	--	--	IH10, IH11	10/20/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.135	--	--	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0426	--	--	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.0926	--	--	IH11	10/20/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	10/20/2009	zn	0.0300	EPA TO-11A

(e) = Analyte concentration > 10% of front result indicates possible breakthrough

Inorganic Acids by NIOSH 7903 (Modified)

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0974-01 (C101309-01H)		**Tube**		**Sample Air Volume:101.76L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.02083	<0.01397	IH10	10/19/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02142	<0.02618	IH10	10/19/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-02 (C101309-02H)		**Tube**		**Sample Air Volume:100.32L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.02113	<0.01417	IH10	10/19/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02173	<0.02655	IH10	10/19/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-03 (C101309-03H)		**Tube**		**Sample Air Volume:95.04L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.02231	<0.01496	IH10	10/19/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02294	<0.02803	IH10	10/19/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-04 (G101309-01H)		**Tube**		**Sample Air Volume:103.68L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.02045	<0.01371	IH10	10/20/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02103	<0.02569	IH10	10/20/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-05 (G101309-02H)		**Tube**		**Sample Air Volume:103.68L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.02045	<0.01371	IH10	10/20/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02103	<0.02569	IH10	10/20/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-06 (G101309-03H)		**Tube**		**Sample Air Volume:103.68L**			**Sampled: 10/13/09**	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

Inorganic Acids by NIOSH 7903 (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSJ0974-06 (G101309-03H) - cont.		**Tube**		**Sample Air Volume:103.68L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.02045	<0.01371	IH10	10/20/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02103	<0.02569	IH10	10/20/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-07 (S101309-01H)		**Tube**		**Sample Air Volume:119.04L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	2.13	0.01789	0.012	IH10	10/20/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01831	<0.02238	IH10	10/20/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-08 (S101309-02H)		**Tube**		**Sample Air Volume:173.28L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.01223	<0.008204	IH10	10/20/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01258	<0.01537	IH10	10/20/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-09 (S101309-03H)		**Tube**		**Sample Air Volume:151.2L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.01402	<0.009403	IH10	10/20/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01442	<0.01762	IH10	10/20/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-10 (W101309-01H)		**Tube**		**Sample Air Volume:124.8L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.01699	<0.01139	IH10	10/20/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01747	<0.02134	IH10	10/20/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-11 (W101309-02H)		**Tube**		**Sample Air Volume:131.04L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.01618	<0.01085	IH10	10/20/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01664	<0.02033	IH10	10/20/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-12 (W101309-03H)		**Tube**		**Sample Air Volume:114.24L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	<0.01856	<0.01244	IH10	10/20/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01908	<0.02332	IH10	10/20/2009	AY	2.18	NIOSH 7903 (MOD)
Sample ID: PSJ0974-13 (101309A-H)		**Tube**		**Sample Air Volume:L**			**Sampled: 10/13/09**	
							Prepared: 10/19/09 14:15	
Hydrochloric Acid	<2.12	--	--	IH10	10/20/2009	AY	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	--	--	IH10	10/20/2009	AY	2.18	NIOSH 7903 (MOD)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)							
P9J1933-BLK1							
Formaldehyde	0.09556		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Formaldehyde - Back	0.03723		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Acetaldehyde	0.03463		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Acetaldehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Acrolein	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Acrolein - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Acetone	0.4904		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Acetone - Back	<0.300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Propionaldehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Crotonaldehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Butyraldehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Benzaldehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Isovaleraldehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Valeraldehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
o-Tolualdehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
m-Tolualdehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
p-Tolualdehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Hexaldehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9J1933		P9J1933-BLK1	10-19-2009
Inorganic Acids by NIOSH 7903 (Modified)							
P9J1940-BLK1							
Hydrochloric Acid	<2.12	IH10	ug, Total	P9J1940		P9J1940-BLK1	10-19-2009
Hydrochloric Acid - Back	<2.12	IH10	ug, Total	P9J1940		P9J1940-BLK1	10-19-2009
Hydrofluoric Acid	<2.18	IH10	ug, Total	P9J1940		P9J1940-BLK1	10-19-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Target Range	Lab Number	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)							
P9J1940-BLK1							
Hydrofluoric Acid - Back	<2.18	IH10	ug, Total	P9J1940		P9J1940-BLK1	10-19-2009

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9J1933-DUP1									
Formaldehyde	0.4090	0.4074	IH11	ug, Total	0.392	10	P9J1933	PSJ0974-14	10-20-2009
Acetaldehyde	1.020	1.022	IH11	ug, Total	0.196	10	P9J1933	PSJ0974-14	10-20-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-14	10-20-2009
Acetone	1.240	1.230	IH11	ug, Total	0.81	10	P9J1933	PSJ0974-14	10-20-2009
Propionaldehyde	0.2010	0.1988	IH10	ug, Total	1.1	10	P9J1933	PSJ0974-14	10-20-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-14	10-20-2009
Butyraldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-14	10-20-2009
Benzaldehyde	0.07180	0.06891	IH10	ug, Total	4.11	10	P9J1933	PSJ0974-14	10-20-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-14	10-20-2009
Valeraldehyde	0.1650	0.1650	IH10	ug, Total	0.00000397	10	P9J1933	PSJ0974-14	10-20-2009
o-Tolualdehyde	0.05030	0.05002	IH10	ug, Total	0.558	10	P9J1933	PSJ0974-14	10-20-2009
m-Tolualdehyde	0.03030	0.03058	IH10	ug, Total	0.92	10	P9J1933	PSJ0974-14	10-20-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-14	10-20-2009
Hexaldehyde	0.4800	0.4770	IH10	ug, Total	0.627	10	P9J1933	PSJ0974-14	10-20-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-14	10-20-2009
P9J1933-DUP2									
Formaldehyde	0.2430	0.2387	IH11	ug, Total	1.79	10	P9J1933	PSJ0974-24	10-20-2009
Acetaldehyde	0.3540	0.3488	IH11	ug, Total	1.48	10	P9J1933	PSJ0974-24	10-20-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-24	10-20-2009
Acetone	0.7780	0.7700	IH11	ug, Total	1.03	10	P9J1933	PSJ0974-24	10-20-2009
Propionaldehyde	0.06240	0.06181	IH10	ug, Total	0.95	10	P9J1933	PSJ0974-24	10-20-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-24	10-20-2009
Butyraldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-24	10-20-2009
Benzaldehyde	0.05000	0.04942	IH10	ug, Total	1.17	10	P9J1933	PSJ0974-24	10-20-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-24	10-20-2009
Valeraldehyde	0.05410	0.05723	IH10	ug, Total	5.62	10	P9J1933	PSJ0974-24	10-20-2009
o-Tolualdehyde	0.03020	0.02966	IH10	ug, Total	1.8	10	P9J1933	PSJ0974-24	10-20-2009
m-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-24	10-20-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-24	10-20-2009
Hexaldehyde	0.1560	0.1591	IH10	ug, Total	1.97	10	P9J1933	PSJ0974-24	10-20-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9J1933	PSJ0974-24	10-20-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9J1933-BS1								
Formaldehyde	0.45	0.5275	IH11	ug, Total	117%	22-134	P9J1933	10-19-2009
Acetaldehyde	0.45	0.4708	IH11	ug, Total	105%	51-142	P9J1933	10-19-2009
Acrolein	0.45	0.3675	IH10	ug, Total	82%	75-125	P9J1933	10-19-2009
Acetone	0.45	0.9531	IH11, L1	ug, Total	212%	75-125	P9J1933	10-19-2009
Propionaldehyde	0.45	0.5291	IH10	ug, Total	118%	67-145	P9J1933	10-19-2009
Crotonaldehyde	0.45	0.4163	IH10	ug, Total	93%	66-146	P9J1933	10-19-2009
Butyraldehyde	0.45	0.5515	IH10	ug, Total	123%	56-141	P9J1933	10-19-2009
Benzaldehyde	0.45	0.4421	IH10	ug, Total	98%	57-142	P9J1933	10-19-2009
Isovaleraldehyde	0.45	0.4504	IH10	ug, Total	100%	66-144	P9J1933	10-19-2009
Valeraldehyde	0.45	0.4702	IH10	ug, Total	104%	66-144	P9J1933	10-19-2009
o-Tolualdehyde	0.45	0.4696	IH10	ug, Total	104%	39-130	P9J1933	10-19-2009
m-Tolualdehyde	0.45	0.4384	IH10	ug, Total	97%	73-143	P9J1933	10-19-2009
p-Tolualdehyde	0.45	0.4277	IH10	ug, Total	95%	66-147	P9J1933	10-19-2009
Hexaldehyde	0.45	0.4611	IH10	ug, Total	102%	65-145	P9J1933	10-19-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4398	IH10	ug, Total	98%	75-144	P9J1933	10-19-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9J1940-BS1								
Hydrochloric Acid	10.3	11.50	IH10	ug, Total	112%	70-130	P9J1940	10-19-2009
Hydrofluoric Acid	10.5	9.736	IH10	ug, Total	93%	70-130	P9J1940	10-19-2009

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)												
P9J1933-BSD1												
Formaldehyde		0.5266	IH11	ug, Total	0.45	117%	22-134	0.171	20	P9J1933		10-19-2009
Acetaldehyde		0.4693	IH11	ug, Total	0.45	104%	51-142	0.319	20	P9J1933		10-19-2009
Acrolein		0.3664	IH10	ug, Total	0.45	81%	75-125	0.3	20	P9J1933		10-19-2009
Acetone		0.9239	IH11, L1	ug, Total	0.45	205%	75-125	3.11	20	P9J1933		10-19-2009
Propionaldehyde		0.5242	IH10	ug, Total	0.45	116%	67-145	0.93	20	P9J1933		10-19-2009
Crotonaldehyde		0.3994	IH10	ug, Total	0.45	89%	66-146	4.14	20	P9J1933		10-19-2009
Butyraldehyde		0.5173	IH10	ug, Total	0.45	115%	56-141	6.4	20	P9J1933		10-19-2009
Benzaldehyde		0.4396	IH10	ug, Total	0.45	98%	57-142	0.567	20	P9J1933		10-19-2009
Isovaleraldehyde		0.4491	IH10	ug, Total	0.45	100%	66-144	0.289	20	P9J1933		10-19-2009
Valeraldehyde		0.4726	IH10	ug, Total	0.45	105%	66-144	0.509	20	P9J1933		10-19-2009
o-Tolualdehyde		0.4712	IH10	ug, Total	0.45	105%	39-130	0.34	20	P9J1933		10-19-2009
m-Tolualdehyde		0.4437	IH10	ug, Total	0.45	99%	73-143	1.2	20	P9J1933		10-19-2009
p-Tolualdehyde		0.4326	IH10	ug, Total	0.45	96%	66-147	1.14	20	P9J1933		10-19-2009
Hexaldehyde		0.4647	IH10	ug, Total	0.45	103%	65-145	0.778	20	P9J1933		10-19-2009
2,5-Dimethyl Benzaldehyde		0.4393	IH10	ug, Total	0.45	98%	75-144	0.114	20	P9J1933		10-19-2009
Inorganic Acids by NIOSH 7903 (Modified)												

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)												
P9J1940-BSD1												
Hydrochloric Acid		11.61	IH10	ug, Total	10.3	113%	70-130	0.952	30	P9J1940		10-19-2009
Hydrofluoric Acid		9.732	IH10	ug, Total	10.5	93%	70-130	0.0411	30	P9J1940		10-19-2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1610, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2016, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7303, NIOSH 7600, NIOSH 7903, NIOSH 9100, NIOSH 9102, EPA IP-6A, EPA IP-6C, OSHA PV2120, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA ID-125G, OSHA IS-215, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSJ0974 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 10/16/09 Reported: 10/23/09 11:05	

DATA QUALIFIERS AND DEFINITIONS

IH10 Target analyte was not detected in the method blank at or above the reporting limit. The QC samples and client sample(s) were not blank corrected.

IH11 Target analyte was detected in the method blank at or above the reporting limit. The background was not subtracted from the QC samples or the client's sample(s).

L1 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.

ADDITIONAL COMMENTS

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

975 ~~929~~ Eastwind Drive, Suite 190 ~~211~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2115 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0108~~
~~Fax: (216) 737-0109~~

№ 8532

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7766
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SW-Surface Water, GW-Groundwater, SD-Sediment, WW-Wastewater, O-Other AIR

Containers Intact: At L&A Y/N; At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis (Method) HF	HCL	NIOSH 7903									Expected Conc. (H,M,L)	Hold	Remarks: Sample Flow Rate
C101309-01H				10/13/09	480	Cell Tower	1		X	X	X			PSJ09741				-1				0.212 l/min
C101309-02H				10/13/09	480	Cell Tower	1		X	X	X							-2				0.209 "
C101309-03H				10/13/09	480	Cell Tower	1		X	X	X							-3				0.198 "
G101309-01H				10/13/09	480	Campground	1		X	X	X							-4				0.216 l/min
G101309-02H				10/13/09	480	Campground	1		X	X	X							-5				0.216 "
G101309-03H				10/13/09	480	Campground	1		X	X	X							-6				0.216 "
S101309-01H				10/13/09	480	School	1		X	X	X							-7				0.748 l/min
S101309-02H				10/13/09	480	School	1		X	X	X							-8				0.361 "
S101309-03H				10/13/09	480	School	1		X	X	X							-9				0.315 "
W101309-01H				10/13/09	480	Wetland	1		X	X	X							-10				0.260 l/min
W101309-02H				10/13/09	480	Wetland	1		X	X	X							-11				0.273 "
W101309-03H				10/13/09	480	Wetland	1		X	X	X							-12				0.238 "
101309A-H				10/13/09		Field Blanks	1		X	X	X							-13				No Flow Field Blank

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	10/15/09 1600	[signature]	10/16/09 10:30				
[signature]	10-14-09 1800						

Comments: 11.3°C Custody Seals

Distributor: White - File; Yellow - Lab

☒ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

975 ~~929~~ Eastwind Drive, Suite 190 ~~217~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2715 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0100~~
~~Fax: (216) 737-0199~~

№ 8527

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7766
Page 2 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil, SW-Surface Water, GW-Groundwater, SD-Sediment, WW-Wastewater, O-Other AIR

Containers Intact: At L&A Y/N, At Lab Y/N

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Method TO-11	Analysis: Aldehyde	Ketone	Carbonyl										Expected Conc. (H,M,L)	Hold	Remarks: Sample Flow Rate
C101309-01A				10/13/09	480	Cell Tower	1			X	X	X			PSS0974				-14					0.303 l/min
C101309-02A				10/13/09	480	Cell Tower	1			X	X	X							-15					0.267 "
C101309-03A				10/13/09	480	Cell Tower	1			X	X	X							-16					0.323 "
G101309-01A				10/13/09	480	Campground	1			X	X	X							-17					0.224 l/min
G101309-02A				10/13/09	480	Campground	1			X	X	X							-18					0.229 "
G101309-03A				10/13/09	480	Campground	1			X	X	X							-19					0.312 "
S101309-01A				10/13/09	480	School	1			X	X	X							-20					0.231 l/min
S101309-02A				10/13/09	480	School	1			X	X	X							-21					0.422 "
S101309-03A				10/13/09	480	School	1			X	X	X							-22					0.304 "
W101309-01A				10/13/09	480	Wetland	1			X	X	X							-23					0.398 l/min
W101309-02A				10/13/09	480	Wetland	1			X	X	X							-24					0.381 "
W101309-03A				10/13/09	480	Wetland	1			X	X	X							-25					0.377 "
101309A-A				10/13/09		Field Blanks	1			X	X	X							-26					No Flow Field Blank

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	10-15-09 1600	[signature]	10/16/09 10:30				
[signature]	10-14-09 1800						

Comments: 11.3°C Custody seals

Distributor: White - File; Yellow - Lab