Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #24

May 20, 2009

APPENDIX A. Laboratory Analytical Results from Event #112:
Sampling conducted Monday March 23 to Tuesday March 24, 2009

Test America Laboratories: EPA Method TO-15M
Integrated Analytical Laboratories: EPA Method TO-11A, NIOSH 7903

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 07-0082-SA2

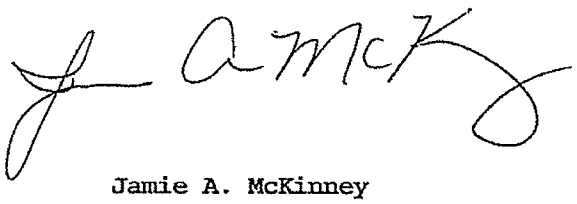
Countywide

Lot #: H9C260298

Shawn Ansbro

Lawhon and Associates
975 Eastwind Drive
Suite 190
Westerville, OH 43081

TESTAMERICA LABORATORIES, INC.



Jamie A. McKinney
Project Manager

April 2, 2009

ANALYTICAL METHODS SUMMARY

H9C260298

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H9C260298

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K87QE	001	SU-C032309	03/23/09	
K87QF	002	SU-G032309	03/23/09	
K87QG	003	SU-S032309	03/23/09	
K87QH	004	SU-W032309	03/23/09	
K87QJ	005	SU-COS032309	03/23/09	

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
H9C260298

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. The laboratory standard operating procedure allows up to four analytes in the calibration verification to be $\leq$40% difference from the initial calibration. The calibration verification analyzed on 3/27/09 exhibited a %difference of >30% but $\leq$40% for 1,2-dichloro-1,1,2,2-tetrafluoroethane.

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-C032309

GC/MS Volatiles

Lot-Sample # H9C260298 - 001 **Work Order #** K87QE1AA **Matrix.....:** AIR

Date Sampled...: 03/23/2009 **Date Received..:** 03/26/2009
Prep Date.....: 03/27/2009 **Analysis Date...** 03/27/2009
Prep Batch #.....: 9089099
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	**2.9**	**5.0**	**6.8**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.3**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.19**	**0.50**	**0.66**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.34**	**0.50**	**1.2**	**J**	**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	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.056**	**0.20**	**0.21**	**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	**0.067**	**0.20**	**0.51**	**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)	**0.22**	**1.0**	**0.66**	**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

Lawhon & Associates, Inc.

Client Sample ID: SU-C032309

GC/MS Volatiles

Lot-Sample # H9C260298 - 001 Work Order # K87QE1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Carbon tetrachloride	**0.056**	**0.20**	**0.35**	**J**	**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	**0.42**	**0.50**	**0.87**	**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	**0.48**	**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	70 - 130

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-G032309

GC/MS Volatiles

Lot-Sample #	H9C260298 - 002	**Work Order #**	K87QF1AA	**Matrix.....:**	AIR
Date Sampled...:	03/23/2009	**Date Received..:**	03/26/2009		
Prep Date.....:	03/27/2009	**Analysis Date...**	03/27/2009		
Prep Batch #.....:	9089099				
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	**3.1**	**5.0**	**7.3**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.21**	**0.50**	**0.75**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.38**	**0.50**	**1.3**	**J**	**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	**0.058**	**0.20**	**0.22**	**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	**0.079**	**0.20**	**0.61**	**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)	**0.26**	**1.0**	**0.78**	**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

Lawhon & Associates, Inc.

Client Sample ID: SU-G032309

GC/MS Volatiles

Lot-Sample # H9C260298 - 002 Work Order # K87QF1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Carbon tetrachloride	**0.077**	**0.20**	**0.49**	**J**	**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	**0.49**	**0.50**	**1.0**	**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	**0.58**	**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

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-S032309

GC/MS Volatiles

Lot-Sample #	H9C260298 - 003	**Work Order #**	K87QG1AA	**Matrix.....:**	AIR
Date Sampled...:	03/23/2009	**Date Received..:**	03/26/2009		
Prep Date.....:	03/27/2009	**Analysis Date...**	03/27/2009		
Prep Batch #....:	9089099				
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	**5.2**	**5.0**	**12**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.14**	**0.50**	**0.57**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.21**	**0.50**	**0.74**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.050**	**0.50**	**0.23**	**J**	**2.3**
tert-Butyl alcohol	**0.060**	**2.0**	**0.18**	**J**	**6.1**
Methylene chloride	**0.22**	**0.50**	**0.75**	**J**	**1.7**
Benzene	**0.30**	**0.20**	**0.95**		**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	**0.29**	**0.20**	**1.1**		**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	**0.074**	**0.20**	**0.57**	**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	**0.18**	**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)	**0.68**	**1.0**	**2.0**	**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	**0.066**	**0.20**	**0.41**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S032309

GC/MS Volatiles

Lot-Sample # H9C260298 - 003 Work Order # K87QG1AA 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**	**1.1**	**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	**0.48**	**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

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-W032309

GC/MS Volatiles

Lot-Sample #	H9C260298 - 004	**Work Order #**	K87QH1AA	**Matrix.....:**	AIR
Date Sampled...:	03/23/2009	**Date Received..:**	03/26/2009		
Prep Date.....:	03/27/2009	**Analysis Date...**	03/27/2009		
Prep Batch #.....:	9089099				
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	**4.0**	**5.0**	**9.6**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.093**	**0.50**	**0.38**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.18**	**0.50**	**0.65**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.081**	**2.0**	**0.25**	**J**	**6.1**
Methylene chloride	**0.18**	**0.50**	**0.63**	**J**	**1.7**
Benzene	**0.21**	**0.20**	**0.68**		**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	**0.16**	**0.20**	**0.60**	**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	**0.073**	**0.20**	**0.56**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.12**	**0.20**	**0.58**	**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**	**0.56**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.48**	**1.0**	**1.4**	**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	**0.068**	**0.20**	**0.43**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W032309

GC/MS Volatiles

Lot-Sample # H9C260298 - 004 Work Order # K87QH1AA 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**	**2.4**		**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	70 - 130

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-COS032309

GC/MS Volatiles

Lot-Sample # H9C260298 - 005 **Work Order #** K87QJ1AA **Matrix.....:** AIR

Date Sampled...: 03/23/2009 **Date Received..:** 03/26/2009
Prep Date.....: 03/27/2009 **Analysis Date...** 03/27/2009
Prep Batch #.....: 9089099
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	**3.3**	**5.0**	**7.8**	**J**	**12**
Ethylbenzene	**0.097**	**0.20**	**0.42**	**J**	**0.87**
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.10**	**0.50**	**0.42**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.21**	**0.50**	**0.74**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.054**	**0.50**	**0.25**	**J**	**2.3**
tert-Butyl alcohol	**0.068**	**2.0**	**0.21**	**J**	**6.1**
Methylene chloride	**0.18**	**0.50**	**0.62**	**J**	**1.7**
Benzene	**0.29**	**0.20**	**0.94**		**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	**0.37**	**0.20**	**1.4**		**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**	**0.54**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.37**	**0.20**	**1.8**		**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	**0.17**	**0.20**	**0.73**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.44**	**0.20**	**1.9**		**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)	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	**0.13**	**0.40**	**0.63**	**J**	**2.0**
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.070**	**0.20**	**0.44**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COS032309

GC/MS Volatiles

Lot-Sample # H9C260298 - 005 **Work Order #** K87QJ1AA **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	**0.38**	**0.50**	**0.79**	**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	**0.49**	**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

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 #	H9C300000 - 099B	**Work Order #**	K9AE11AA	**Matrix.....:**	AIR
	03/23/2009	**Date Received..:**	03/26/2009		
Prep Date.....:	03/27/2009	**Analysis Date...**	03/27/2009		
Prep Batch #.....:	9089099				
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 # H9C300000 - 099B **Work Order #** K9AE11AA **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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	90	70 - 130

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 #	H9C300000 - 099C	**Work Order #**	K9AE11AC
Matrix.....:	AIR		
	03/23/2009	**Date Received..:**	03/26/2009
Prep Date.....:	03/27/2009	**Analysis Date...**	03/27/2009
Prep Batch #.....:	9089099		
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
Benzene	2.50	2.81	8.0	9.0	113	70 - 130
Toluene	2.50	2.56	9.4	9.6	102	70 - 130
Trichloroethene	2.50	2.42	13	13	97	70 - 130
Chlorobenzene	2.50	2.56	12	12	102	70 - 130
1,1-Dichloroethene	2.50	2.84	9.9	11	114	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	107	70 - 130

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

H9C260298 № 8411

☒ 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) 737-0100~~
~~Fax: (216) 737-0109~~

Sent To: TestAmerica (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 9362
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): Nick Iannaggi

Signature: [signature]

Remarks:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method	VOC	TIC	Expected Conc. (H,M,L)	Hold	Summa Can #
SU-C032309				3/23/09	1440	Cell Tower	1			X	X			6134
SU-G032309				3/23/09	1440	Campground	1			X	X			6367
SU-S032309				3/23/09	1440	School	1			X	X			6680
SU-W032309				3/23/09	1440	Wetland	1			X	X			6634
SU-C050323 09				3/23/09	1440	Co-Located School	1			X	X			6115

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 3/26/09
FED EX # 8689242693 62
6 CANS / FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	3/25/09 1500	Ryan Henry	3/26/09 0955				
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

H9C260298

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	Project Manager: Shawn Ansbro	Sampled By: Nick Iannaggi	2 of 2 COCs
Company: Lawhon & Associates, Inc.	Phone:		
Address: 975 Eastwind Dr. Suite 190	Site Contact:		
City/State/Zip Westerville, Ohio 43081	TAL Contact: Jamie McKinney		
Phone: (614) 818-5200			
FAX: (614) 818-5219			
Project Name: Countywide	Analysis Turnaround Time		
Site/location: Community	Standard (Specify) X		
PO # 07-0082	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	TIC	Sample type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-CØ323Ø9	3/23/09	1500	1500	-28.5 "Hg	-2.5 "Hg	K094	6134	X					X					
SU-GØ323Ø9	↓	↓	↓	-28.5 "Hg	-3.0 "Hg	K136	6367	X					X					
SU-SØ323Ø9				-29.0 "Hg	-3.5 "Hg	K350	6680	X					X					
SU-WØ323Ø9				-29.0 "Hg	-5.0 "Hg	K228	6634	X					X					
SU-COSØ323Ø9	↓	↓	↓	-29.0 "Hg	-4.0 "Hg	K374	6115	X					X					

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return Can #6371; did not use

Canisters Shipped by:	Date/Time: 3/25/1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 3/25/09 1520	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9C260298

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☐ 1g Other:	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			✓	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 3/26/09

QA026R19.doc, 080707

Summary of Results

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

Report Date: 04/15/09
Job Number: E09-02985
Date Received: 03/26/09
Date Analyzed: 04/14/09

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

Sample Name:	C032309-01A		C032309-02A		C032309-03A		Reporting
IAL ID:	E09-02985-14		E09-02985-15		E09-02985-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.12	0.54	0.11	0.58	1.8	8.1	0.1
Acetaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	2.6	12	0.1
Acetone	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Acrolein	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Propionaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	0.46	2.1	0.1
Crotonaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	< 0.1	< 0.4	< 0.1	< 0.5	1.3	5.8	0.1
Benzaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	0.7	3.3	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Hexaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	1.2	5.3	0.1

Sample Name:	G032309-01A		G032309-02A		G032309-03A		Reporting
IAL ID:	E09-02985-17		E09-02985-18		E09-02985-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.0	7.3	0.42	4.4	0.94	6.4	0.1
Acetaldehyde	2.6	19	0.82	8.5	3.2	22	0.1
Acetone	< 0.1	< 0.7	< 0.1	< 1	< 0.1	< 0.7	0.1
Acrolein	< 0.1	< 0.7	< 0.1	< 1	< 0.1	< 0.7	0.1
Propionaldehyde	0.36	2.6	0.16	1.6	0.38	2.6	0.1
Crotonaldehyde	< 0.1	< 0.7	< 0.1	< 1	< 0.1	< 0.7	0.1
Butyraldehyde	0.48	3.5	0.15	1.6	0.46	3.1	0.1

Benzaldehyde	0.34	2.5	< 0.1	< 1	0.22	1.5	0.1
Isovaleraldehyde	< 0.6	< 4	< 0.6	< 6	< 0.6	< 4	0.6
Valeraldehyde	< 0.2	< 1	< 0.2	< 2	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 2	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.7	< 0.1	< 1	< 0.1	< 0.7	0.1
Hexaldehyde	1.6	12	0.44	4.6	1.1	7.6	0.1

Lawhon & Associates, Inc. Job Number: E09-02985
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S032309-01A		S032309-02A		S032309-03A		Reporting
IAL ID:	E09-02985-20		E09-02985-21		E09-02985-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.1	8.6	0.56	2.4	1.1	4.5	0.1
Acetaldehyde	2.6	21	0.88	3.8	3.4	15	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Propionaldehyde	0.42	3.4	0.20	0.85	0.46	2.0	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Butyraldehyde	0.72	5.8	0.19	0.83	0.66	2.8	0.1
Benzaldehyde	0.62	5.0	0.40	1.7	0.80	3.4	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Hexaldehyde	1.2	9.4	0.20	0.85	1.2	5.1	0.1

Sample Name:	W032309-01A		W032309-02A		W032309-03A		Reporting
IAL ID:	E09-02985-23		E09-02985-24		E09-02985-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.0	4.5	0.46	2.1	1.0	6.0	0.1
Acetaldehyde	2.8	13	0.82	3.7	3.2	18	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1

Propionaldehyde	0.46	2.1	0.15	0.70	0.42	2.4	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Butyraldehyde	0.74	3.4	0.17	0.79	0.56	3.2	0.1
Benzaldehyde	0.62	2.8	0.20	0.91	0.52	3.0	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 0.9	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 0.2	< 0.9	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Hexaldehyde	1.3	5.9	0.30	1.4	1.1	6.1	0.1

Lawhon & Associates, Inc. Job Number: E09-02985
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	032309A-A		Reporting
IAL ID:	E09-02985-26		Limits
Compound	ug	ug/m3	ug
Formaldehyde	0.10	N/A	0.1
Acetaldehyde	< 0.1	N/A	0.1
Acetone	< 0.1	N/A	0.1
Acrolein	< 0.1	N/A	0.1
Propionaldehyde	< 0.1	N/A	0.1
Crotonaldehyde	< 0.1	N/A	0.1
Butyraldehyde	< 0.1	N/A	0.1
Benzaldehyde	< 0.1	N/A	0.1
Isovaleraldehyde	< 0.6	N/A	0.6
Valeraldehyde	< 0.2	N/A	0.2
o-Tolualdehyde	< 0.2	N/A	0.2

m- and p-Tolualdehyde	< 0.1	N/A	0.1
Hexaldehyde	< 0.1	N/A	0.1

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

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: J.Walukiewicz

Summary of Results

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

Report Date: 04/15/09
Job Number: E09-02985
Date Received: 03/26/09
Date Analyzed: 04/14/09

Project: Countywide
Project #: 07-0082

Analysis: Hydrogen Chloride and Hydrogen Fluoride, NIOSH 7903

		Hydrogen Fluoride		Hydrogen Chloride	
Sample ID	IAL ID	ug	ug/m3	ug	ug/m3
C032309-01H	E09-02985-01	< 0.6	< 5	< 0.4	< 3
C032309-02H	E09-02985-02	< 0.6	< 5	< 0.4	< 3
C032309-03H	E09-02985-03	< 0.6	< 5	< 0.4	< 3
G032309-01H	E09-02985-04	< 0.6	< 7	< 0.4	< 4
G032309-02H	E09-02985-05	< 0.6	< 7	< 0.4	< 4
G032309-03H	E09-02985-06	< 0.6	< 7	< 0.4	< 4
S032309-01H	E09-02985-07	< 0.6	< 5	< 0.4	< 3
S032309-02H	E09-02985-08	< 0.6	< 4	< 0.4	< 2
S032309-03H	E09-02985-09	< 0.6	< 4	< 0.4	< 3
W032309-01H	E09-02985-10	< 0.6	< 5	< 0.4	< 3
W032309-02H	E09-02985-11	< 0.6	< 5	< 0.4	< 3
W032309-03H	E09-02985-12	< 0.6	< 5	< 0.4	< 3
032309A-H	E09-02985-13	< 0.6	N/A	< 0.4	N/A
Reporting Limit		0.6		0.4	

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

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: J.Walukiewicz

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #24

May 20, 2009

APPENDIX B. Laboratory Analytical Results from Event #113:
Sampling conducted Sunday March 29 to Monday March 30, 2009

Test America Laboratories: EPA Method TO-15
Integrated Analytical Laboratories: EPA Method TO-11A, NIOSH 7903

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 07-0082-SA2

Countywide

Lot #: H9D020112

Shawn Ansbro

Lawhon and Associates
975 Eastwind Drive
Suite 190
Westerville, OH 43081

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

April 9, 2009

ANALYTICAL METHODS SUMMARY

H9D020112

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H9D020112

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K9F2H	001	SU-C032909	03/29/09	
K9F2L	002	SU-S032909	03/29/09	
K9F2N	003	SU-W032909	03/29/09	

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
H9D020112

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

The container for all samples was received without label.

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-C032909

GC/MS Volatiles

Lot-Sample #	H9D020112 - 001	**Work Order #**	K9F2H1AA	**Matrix.....:**	AIR
Date Sampled...:	03/29/2009	**Date Received..:**	04/01/2009		
Prep Date.....:	04/02/2009	**Analysis Date...**	04/02/2009		
Prep Batch #.....:	9093061				
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	**2.6**	**5.0**	**6.2**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.18**	**0.20**	**1.0**	**J**	**1.1**
n-Heptane	**0.078**	**0.50**	**0.32**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.11**	**0.50**	**0.38**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.050**	**2.0**	**0.15**	**J**	**6.1**
Methylene chloride	**0.20**	**0.50**	**0.68**	**J**	**1.7**
Benzene	**0.21**	**0.20**	**0.66**		**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	**0.37**	**0.20**	**1.4**		**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	**0.067**	**0.20**	**0.51**	**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)	**0.25**	**1.0**	**0.73**	**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	**0.064**	**0.20**	**0.40**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C032909

GC/MS Volatiles

Lot-Sample # H9D020112 - 001 Work Order # K9F2H1AA 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	**0.44**	**0.50**	**0.90**	**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	**0.32**	**0.20**	**1.6**		**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

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-S032909

GC/MS Volatiles

Lot-Sample #	H9D020112 - 002	**Work Order #**	K9F2L1AA	**Matrix.....:**	AIR
Date Sampled...:	03/29/2009	**Date Received..:**	04/01/2009		
Prep Date.....:	04/02/2009	**Analysis Date...**	04/02/2009		
Prep Batch #.....:	9093061				
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	**1.9**	**5.0**	**4.5**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.18**	**0.20**	**1.0**	**J**	**1.1**
n-Heptane	**0.048**	**0.50**	**0.20**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.068**	**0.50**	**0.24**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.048**	**2.0**	**0.14**	**J**	**6.1**
Methylene chloride	**0.16**	**0.50**	**0.56**	**J**	**1.7**
Benzene	**0.21**	**0.20**	**0.68**		**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	**0.13**	**0.20**	**0.48**	**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	**0.065**	**0.20**	**0.50**	**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)	**0.25**	**1.0**	**0.73**	**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	**0.065**	**0.20**	**0.41**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S032909

GC/MS Volatiles

Lot-Sample # H9D020112 - 002 Work Order # K9F2L1AA 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	**0.61**	**0.50**	**1.3**	**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	**0.32**	**0.20**	**1.6**	**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

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-W032909

GC/MS Volatiles

Lot-Sample # H9D020112 - 003 **Work Order #** K9F2N1AA **Matrix.....:** AIR

Date Sampled...: 03/29/2009 **Date Received..:** 04/01/2009
Prep Date.....: 04/02/2009 **Analysis Date...** 04/02/2009
Prep Batch #.....: 9093061
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	**3.3**	**5.0**	**7.8**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	**0.082**	**0.50**	**0.34**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.10**	**0.50**	**0.36**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.071**	**2.0**	**0.21**	**J**	**6.1**
Methylene chloride	**0.41**	**0.50**	**1.4**	**J**	**1.7**
Benzene	**0.33**	**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	**0.22**	**0.20**	**0.83**		**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	**0.068**	**0.20**	**0.52**	**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)	**0.36**	**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	ND	0.50	ND		1.6
Carbon tetrachloride	**0.064**	**0.20**	**0.41**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W032909

GC/MS Volatiles

Lot-Sample # H9D020112 - 003 **Work Order #** K9F2N1AA **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	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	**0.33**	**0.20**	**1.6**	**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

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 #	H9D030000 - 061B	Work Order #	K9JDN1AA	Matrix.....:	AIR
	03/29/2009	Date Received..:	04/01/2009		
Prep Date.....:	04/02/2009	Analysis Date...	04/02/2009		
Prep Batch #.....:	9093061				
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 # H9D030000 - 061B **Work Order #** K9JDN1AA **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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	70 - 130

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 #	H9D030000 - 061C	**Work Order #**	K9JDN1AC	**Matrix.....:**	AIR
	03/29/2009	**Date Received..:**	04/01/2009		
Prep Date.....:	04/02/2009	**Analysis Date...**	04/02/2009		
Prep Batch #.....:	9093061				
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
Benzene	2.50	2.78	8.0	8.9	111	70 - 130
Toluene	2.50	2.62	9.4	9.9	105	70 - 130
Trichloroethene	2.50	2.49	13	13	100	70 - 130
Chlorobenzene	2.50	2.67	12	12	107	70 - 130
1,1-Dichloroethene	2.50	2.54	9.9	10	102	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

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 & associates inc.

☑ 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) 737-0100~~
~~Fax: (216) 737-0109~~

H9D020112

№ 8415

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 9248
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: [signature]

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis	Method VOC	Method TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C032909				3/29/09	1440	Cell Tower	1			X	X			12462
SU-S032909				3/29/09	1440	School	1			X	X			93121
SU-W032909				3/29/09	1440	Wetland	1			X	X			7484
* SU-G032909				—	—	Campground	1							1487
* SU-COG032909				—	—	Campground-Co located	1	Do NOT Analyze						S-1551

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 4/2/09
FED EX # 868924269248
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]	3/31/09 1500	Ryan Henry	4/1/09 0930				
[signature]	3/31/09 0900						

Comments: System did not operate correctly and thus the samples do not contain information fit to use as it cannot be determinded when these two samples ran and/or for how long.

Distributor: White - File; Yellow - Lab

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

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	Project Manager: Shawn Ansbro	Sampled By: Rick Jones	2 of 2 COCs
Company: Lawhon & Associates, Inc.	Phone:		
Address: 975 Eastwind Drive, Suite 190	Site Contact:		
City/State/Zip Westerville, Ohio 43081	TAL Contact: Jamie McKinney		
Phone: (614) 818-5200			
FAX: (614) 818-5219			
Project Name: County wide	Analysis Turnaround Time		
Site/location: Community	Standard (Specify) X		
PO # 07-0082	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	TIC	Sample Type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C032909	3/29/09	1500	1500	-29.0	-3.0	K442	12462	X					X					
SU-S032909				-28.5	-3.0	K120	93121	X					X					
SU-W032909				-29.0	-1.5	K294	7484	X					X					
* SU-G032909				-29.0	0	K338	1487	DO NOT ANALYZE										
* SU-COG032909				-29.0	0	K162	S-1551											

Sampled by :	Temperature (Fahrenheit)	Interior	Ambient	
	Start			
	Stop			
	Pressure (Inches of Hg)	**Interior**	**Ambient**	
	Start			
	Stop			

Special Instructions/QC Requirements & Comments:
* System did not operate correctly and thus the samples do not contain information fit to use, as it cannot be determinde when the samples ran or how long they ran.
- Return can # 93034, did not use.

Canisters Shipped by:	Date/Time: 3/31/09 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 3/31/09 0900	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9D020112

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)		✓		☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☑ 1e No label ☐ 1f COC not received ☐ 1g Other:	1e - NO SAMPLE LABEL ID; MATCHED BY CAN ID.
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			✓	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 4/2/09

QA026R19.doc, 080707

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

Report Date: 04/16/09
Job Number: E09-03177
Date Received: 04/01/09
Date Analyzed: 04/16/09

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

Sample Name:	C032909-01A		C032909-02A		C032909-03A		Reporting
IAL ID:	E09-03177-11		E09-03177-12		E09-03177-13		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.42	2.1	0.30	1.8	0.52	2.3	0.1
Acetaldehyde	0.19	1.0	0.16	1.0	1.3	5.6	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.4	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.4	0.1
Propionaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	0.19	0.86	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.4	0.1
Butyraldehyde	< 0.1	< 0.5	< 0.1	< 0.6	0.22	0.99	0.1
Benzaldehyde	0.16	0.81	0.12	0.71	0.34	1.5	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 4	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.4	0.1
Hexaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	0.88	3.9	0.1

Sample Name:	S032909-01A		S032909-02A*		S032909-03A		Reporting
IAL ID:	E09-03177-14		E09-03177-15		E09-03177-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.66	5.6	0.44	2.1	0.58	2.7	0.1
Acetaldehyde	3.8	32	1.6	7.8	2.4	11	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Propionaldehyde	0.40	3.4	0.20	0.95	0.34	1.6	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	0.56	4.7	0.19	0.92	0.42	2.0	0.1
Benzaldehyde	0.52	4.4	0.48	2.3	0.54	2.5	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6

Summary of Results

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

Report Date: 04/16/09
Job Number: E09-03177
Date Received: 04/01/09
Date Analyzed: 04/16/09

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

Sample Name:	C032909-01A		C032909-02A		C032909-03A		Reporting
IAL ID:	E09-03177-11		E09-03177-12		E09-03177-13		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.42	2.1	0.30	1.8	0.52	2.3	0.1
Acetaldehyde	0.19	1.0	0.16	1.0	1.3	5.6	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.4	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.4	0.1
Propionaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	0.19	0.86	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.4	0.1
Butyraldehyde	< 0.1	< 0.5	< 0.1	< 0.6	0.22	0.99	0.1
Benzaldehyde	0.16	0.81	0.12	0.71	0.34	1.5	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 4	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.4	0.1
Hexaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	0.88	3.9	0.1

Sample Name:	S032909-01A		S032909-02A*		S032909-03A		Reporting
IAL ID:	E09-03177-14		E09-03177-15		E09-03177-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.66	5.6	0.44	2.1	0.58	2.7	0.1
Acetaldehyde	3.8	32	1.6	7.8	2.4	11	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Propionaldehyde	0.40	3.4	0.20	0.95	0.34	1.6	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	0.56	4.7	0.19	0.92	0.42	2.0	0.1
Benzaldehyde	0.52	4.4	0.48	2.3	0.54	2.5	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6

Valeraldehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	0.92	7.8	0.66	3.1	0.70	3.3	0.1

Lawhon & Associates, Inc. Job Number: E09-03177
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	W032909-01A		W032909-02A		W032909-03A		Reporting
IAL ID:	E09-03177-17		E09-03177-18		E09-03177-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.1	5.4	0.60	3.2	0.68	3.7	0.1
Acetaldehyde	2.4	12	1.1	6.0	1.5	8.3	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Propionaldehyde	0.54	2.8	0.24	1.3	0.26	1.4	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	1.0	5.2	0.50	2.7	0.42	2.3	0.1
Benzaldehyde	1.1	5.5	0.78	4.2	0.60	3.3	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	1.4	7.4	0.78	4.2	0.50	2.7	0.1

Sample Name:	032909A-A		Reporting
IAL ID:	E09-03177-20		Limits
Compound	ug	ug/m3	ug
Formaldehyde	< 0.1	N/A	0.1
Acetaldehyde	< 0.1	N/A	0.1
Acetone	< 0.1	N/A	0.1
Acrolein	< 0.1	N/A	0.1

Propionaldehyde	< 0.1	N/A	0.1
Crotonaldehyde	< 0.1	N/A	0.1
Butyraldehyde	< 0.1	N/A	0.1
Benzaldehyde	< 0.1	N/A	0.1
Isovaleraldehyde	< 0.6	N/A	0.6
Valeraldehyde	< 0.2	N/A	0.2
o-Tolualdehyde	< 0.2	N/A	0.2
m- and p-Tolualdehyde	< 0.1	N/A	0.1
Hexaldehyde	< 0.1	N/A	0.1

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

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

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: J.Walukiewicz

Summary of Results

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

Report Date: 04/16/09
Job Number: E09-03177
Date Received: 04/01/09
Date Analyzed: 04/16/09

Project: Countywide
Project #: 07-0082

Analysis: Hydrogen Chloride and Hydrogen Fluoride, NIOSH 7903

		Hydrogen Fluoride		Hydrogen Chloride	
Sample ID	IAL ID	ug	ug/m3	ug	ug/m3
C032909-01H	E09-03177-01	< 0.6	< 3	< 0.4	< 2
C032909-02H	E09-03177-02	< 0.6	< 3	< 0.4	< 2
C032909-03H	E09-03177-03	< 0.6	< 3	0.40	2.0
S032909-01H	E09-03177-04	< 0.6	< 3	< 0.4	< 2
S032909-02H	E09-03177-05	< 0.6	< 2	0.40	1.5
S032909-03H	E09-03177-06	< 0.6	< 3	< 0.4	< 2
W032909-01H	E09-03177-07	< 0.6	< 3	< 0.4	< 2
W032909-02H	E09-03177-08	< 0.6	< 3	< 0.4	< 2
W032909-03H	E09-03177-09	< 0.6	< 4	< 0.4	< 2
0329009A-H	E09-03177-10	< 0.6	N/A	< 0.4	N/A
Reporting Limit		0.6		0.4	

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

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: J.Walukiewicz

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #24

May 20, 2009

APPENDIX C. Laboratory Analytical Results from Event #114:
Sampling conducted Saturday April 4 to Sunday April 5, 2009

Test America Laboratories: EPA Method TO-15; EPA Method TO-11A; NIOSH 7903

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Countywide

Lot #: H9D080290

Shawn Ansbro

Lawhon and Associates
975 Eastwind Drive
Suite 190
Westerville, OH 43081

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

April 21, 2009

ANALYTICAL METHODS SUMMARY

H9D080290

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H9D080290

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K9R4Q	001	SU-C040409	04/04/09	
K9R41	002	SU-G0404	04/04/09	
K9R45	003	SU-S0404	04/04/09	
K9R46	004	SU-W0404	04/04/09	
K9R48	005	SU-COW0404	04/04/09	

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
H9D080290

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

The containers for all samples were received without a label.

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. The laboratory standard operating procedure allows up to four analytes in the calibration verification to be $\leq$40% difference from the initial calibration. The calibration verification analyzed on 4/09/09 exhibited a %difference of >30% but $\leq$40% for 1,3-butadiene, 3-chloropropene.

The surrogate recoveries for batch 9100106 were quantified using the daily calibration verification standard.

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-C040409

GC/MS Volatiles

Lot-Sample # H9D080290 - 001 Work Order # K9R4Q1AA Matrix.....: AIR

Date Sampled...: 04/04/2009 Date Received..: 04/08/2009
Prep Date.....: 04/09/2009 Analysis Date... 04/09/2009
Prep Batch #.....: 9100106
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	**2.6**	**5.0**	**6.2**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.17**	**0.20**	**0.93**	**J**	**1.1**
n-Heptane	**0.097**	**0.50**	**0.40**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.16**	**0.50**	**0.57**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.050**	**0.50**	**0.23**	**J**	**2.3**
tert-Butyl alcohol	**0.041**	**2.0**	**0.13**	**J**	**6.1**
Methylene chloride	**0.23**	**0.50**	**0.78**	**J 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	**0.25**	**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	**0.056**	**0.20**	**0.43**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.063**	**0.20**	**0.31**	**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)	**0.28**	**1.0**	**0.82**	**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	**0.056**	**0.20**	**0.35**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C040409

GC/MS Volatiles

Lot-Sample # H9D080290 - 001 **Work Order #** K9R4Q1AA **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	**0.27**	**0.50**	**0.57**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.046**	**0.50**	**0.16**	**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	**0.38**	**0.20**	**1.9**		**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	70 - 130

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-G0404

GC/MS Volatiles

Lot-Sample # H9D080290 - 002 Work Order # K9R411AA Matrix.....: AIR

Date Sampled...: 04/04/2009 Date Received..: 04/08/2009
Prep Date.....: 04/09/2009 Analysis Date... 04/09/2009
Prep Batch #.....: 9100106
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-tetrafluoroeth ane	ND	0.20	ND		1.4
Acetone	**4.3**	**5.0**	**10**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.16**	**0.20**	**0.90**	**J**	**1.1**
n-Heptane	**0.13**	**0.50**	**0.54**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.14**	**0.50**	**0.50**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.065**	**2.0**	**0.20**	**J**	**6.1**
Methylene chloride	**0.21**	**0.50**	**0.73**	**J 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	**0.27**	**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-trifluoroet hane	**0.050**	**0.20**	**0.38**	**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**	**0.59**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.42**	**1.0**	**1.2**	**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	**0.059**	**0.20**	**0.23**	**J**	**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	**0.055**	**0.20**	**0.35**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G0404

GC/MS Volatiles

Lot-Sample # H9D080290 - 002 **Work Order #** K9R411AA **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	**0.33**	**0.50**	**0.68**	**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	**0.37**	**0.20**	**1.8**		**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	70 - 130

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-S0404

GC/MS Volatiles

Lot-Sample #	H9D080290 - 003	**Work Order #**	K9R451AA	**Matrix.....:**	AIR
Date Sampled...:	04/04/2009	**Date Received..:**	04/08/2009		
Prep Date.....:	04/09/2009	**Analysis Date...**	04/09/2009		
Prep Batch #.....:	9100106				
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	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.16**	**0.20**	**0.92**	**J**	**1.1**
n-Heptane	**0.17**	**0.50**	**0.68**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.22**	**0.50**	**0.78**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.045**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	**0.15**	**2.0**	**0.46**	**J**	**6.1**
Methylene chloride	**0.48**	**0.50**	**1.7**	**J B**	**1.7**
Benzene	**0.24**	**0.20**	**0.78**		**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	**0.47**	**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	**0.054**	**0.20**	**0.42**	**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	**0.064**	**0.20**	**0.28**	**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)	**0.84**	**1.0**	**2.5**	**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	**0.033**	**0.50**	**0.10**	**J**	**1.6**
Carbon tetrachloride	**0.054**	**0.20**	**0.34**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S0404

GC/MS Volatiles

Lot-Sample # H9D080290 - 003 **Work Order #** K9R451AA **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	**0.35**	**0.50**	**0.73**	**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	**0.38**	**0.20**	**1.9**		**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	70 - 130

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-W0404

GC/MS Volatiles

Lot-Sample #	H9D080290 - 004	Work Order #	K9R461AA	Matrix.....:	AIR
Date Sampled...:	04/04/2009	Date Received..:	04/08/2009		
Prep Date.....:	04/09/2009	Analysis Date...	04/09/2009		
Prep Batch #.....:	9100106				
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	**0.16**	**0.20**	**0.92**	**J**	**1.1**
n-Heptane	**0.16**	**0.50**	**0.64**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.18**	**0.50**	**0.65**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.089**	**2.0**	**0.27**	**J**	**6.1**
Methylene chloride	**0.52**	**0.50**	**1.8**	**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	**0.27**	**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	**0.051**	**0.20**	**0.39**	**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)	**0.84**	**1.0**	**2.5**	**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	**0.050**	**0.20**	**0.32**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W0404

GC/MS Volatiles

Lot-Sample # H9D080290 - 004 **Work Order #** K9R461AA **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	**0.33**	**0.50**	**0.69**	**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	**0.38**	**0.20**	**1.9**		**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	70 - 130

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-COW0404

GC/MS Volatiles

Lot-Sample # H9D080290 - 005 **Work Order #** K9R481AA **Matrix.....:** AIR

Date Sampled...: 04/04/2009 **Date Received..:** 04/08/2009
Prep Date.....: 04/09/2009 **Analysis Date...** 04/09/2009
Prep Batch #.....: 9100106
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-tetrafluoroeth ane	ND	0.20	ND		1.4
Acetone	**3.2**	**5.0**	**7.6**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.16**	**0.20**	**0.91**	**J**	**1.1**
n-Heptane	**0.11**	**0.50**	**0.44**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.14**	**0.50**	**0.50**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.13**	**2.0**	**0.38**	**J**	**6.1**
Methylene chloride	**0.36**	**0.50**	**1.2**	**J B**	**1.7**
Benzene	**0.20**	**0.20**	**0.63**		**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	**0.23**	**0.20**	**0.86**		**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-trifluoroet hane	**0.052**	**0.20**	**0.40**	**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)	**0.35**	**1.0**	**1.0**	**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	**0.053**	**0.20**	**0.34**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COW0404

GC/MS Volatiles

Lot-Sample # H9D080290 - 005 **Work Order #** K9R481AA **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	**0.37**	**0.50**	**0.76**	**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	**0.38**	**0.20**	**1.9**		**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	97	70 - 130

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 #	H9D100000 - 106B	**Work Order #**	K9WXT1AA	**Matrix.....:**	AIR
	04/04/2009	**Date Received..:**	04/08/2009		
Prep Date.....:	04/09/2009	**Analysis Date...**	04/09/2009		
Prep Batch #.....:	9100106				
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	**0.048**	**0.50**	**0.17**	**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 # H9D100000 - 106B **Work Order #** K9WXT1AA **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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	87	70 - 130

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 #	H9D100000 - 106C	**Work Order #**	K9WXT1AC	**Matrix.....:**	AIR
	04/04/2009	**Date Received..:**	04/08/2009		
Prep Date.....:	04/09/2009	**Analysis Date...**	04/09/2009		
Prep Batch #.....:	9100106				
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
Benzene	2.50	2.05	8.0	6.5	82	70 - 130
Toluene	2.50	2.64	9.4	9.9	105	70 - 130
Trichloroethene	2.50	2.25	13	12	90	70 - 130
Chlorobenzene	2.50	2.50	12	11	100	70 - 130
1,1-Dichloroethene	2.50	2.28	9.9	9.1	91	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	70 - 130

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 ~~211~~ 150
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

H9D080290

№ 8421

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

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

Containers Intact: At L&A ○ 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	Sample Location	Number of Containers	Turn Around/Requirements	Analysis Method	VOC TO15	TIC TO15	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C040409				4/4/09	1440	Cell Tower	1			X	X			02801
SU-G0404				4/4/09	1440	Campground	1			X	X			6679
SU-S0404				4/4/09	1440	School	1			X	X			6593
SU-W0404				4/4/09	1440	Wetland	1			X	X			13306
SU-COW0404				4/4/09	1440	Co-Located Wetlan	1			X	X			6602

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 4/8/09
FED EX # 859237812296

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]	4/7/09 1500	Ryan Henry	4/8/09 0945				
[signature]	4/7/09 800						

Comments:

Distributor: White - File; Yellow - Lab

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

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	Project Manager: Shawn Ansboro	Sampled By: Rick Jones	2 of 2 COCs
Company: Lawhon & Associates	Phone:		
Address: 975 Eastwind Dr. Suite 190	Site Contact:		
City/State/Zip: Westerville, Ohio 43081	TAL Contact: Jamie McKinney		
Phone: (614) 818-5200			
FAX: (614) 818-5219			
Project Name: Countywide	Analysis Turnaround Time		
Site/location: Community	Standard (Specify) X		
PO # 07-0082	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	T.I.C.	Sample Matrix	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C 040409	4/4/09	1500	1500	-29	-4	K442	02801	X					X						
SU-G 040409				-29	-3	K110	6679	X					X						
SU-S 040409				-28	-0.5	K170	6593	X					X						
SU-W 040409				-29	-6	K143	13306	X					X						
SU-COW 040409	↓	↓	↓	-29	-2.5	K227	6602	X					X						

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return Can? #12268, do not analyze

Canisters Shipped by:	Date/Time: 4/7/09 1500	Canisters Received by:	
Samples Relinquished by:	Date/Time: 4/7/09 800	Received by:	
Relinquished by:	Date/Time:	Received by:	

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9D080290

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓RH	✓		☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☑ 1e No label ☐ 1f COC not received ☐ 1g Other:	1e - NO SAMPLE LABEL; MATCHED BY CAN I.D.
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			✓	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry **Date:** 4/8/09

QA026R19.doc, 080707

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

April 30, 2009

LABORATORY REPORT

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

Work Order:	PSD0476
Project Name:	Countywide - Ambient Air
Project Number:	07-0082
Date Received:	04/08/09

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.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report. 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 12.6°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.

N-1 = Per the client's request, the sample results were not blank-corrected. There were no detects in the Method Blank above the reporting limit.

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

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

Work Order: PSD0476
Project: Countywide - Ambient Air
Project Number: 07-0082

Received: 04/08/09
Reported: 04/30/09 14:01

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C040409-01H	PSD0476-01	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
C040409-02H	PSD0476-02	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
C040409-03H	PSD0476-03	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
G040409-01H	PSD0476-04	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
G040409-02H	PSD0476-05	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
G040409-03H	PSD0476-06	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
S040409-01H	PSD0476-07	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
S040409-02H	PSD0476-08	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
S040409-03H	PSD0476-09	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
W040409-01H	PSD0476-10	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
W040409-02H	PSD0476-11	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
W040409-03H	PSD0476-12	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
040409A-H (Field Blank)	PSD0476-13	04/04/09	Silica Gel tube, 200/400 mg Specially cleaned
C040409-01A	PSD0476-14	04/04/09	DNPH Silica Gel Tube, 450 mg
C040409-02A	PSD0476-15	04/04/09	DNPH Silica Gel Tube, 450 mg
C040409-03A	PSD0476-16	04/04/09	DNPH Silica Gel Tube, 450 mg
G040409-01A	PSD0476-17	04/04/09	DNPH Silica Gel Tube, 450 mg
G040409-02A	PSD0476-18	04/04/09	DNPH Silica Gel Tube, 450 mg
G040409-03A	PSD0476-19	04/04/09	DNPH Silica Gel Tube, 450 mg
S040409-01A	PSD0476-20	04/04/09	DNPH Silica Gel Tube, 450 mg
S040409-02A	PSD0476-21	04/04/09	DNPH Silica Gel Tube, 450 mg
S040409-03A	PSD0476-22	04/04/09	DNPH Silica Gel Tube, 450 mg
W040409-01A	PSD0476-23	04/04/09	DNPH Silica Gel Tube, 450 mg
W040409-02A	PSD0476-24	04/04/09	DNPH Silica Gel Tube, 450 mg
W040409-03A	PSD0476-25	04/04/09	DNPH Silica Gel Tube, 450 mg
040409A-A (Field Blank)	PSD0476-26	04/04/09	DNPH Silica Gel Tube, 450 mg

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

Work Order: PSD0476
Project: Countywide - Ambient Air
Project Number: 07-0082

Received: 04/08/09
Reported: 04/30/09 14:01

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified)								
Sample ID: PSD0476-14 (C040409-01A)	**Tube**		**Sample Air Volume:209.76L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000143	<0.0000261		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.24	0.0202	0.0112		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0717	0.000342	0.00019		4/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.17	0.0199	0.011		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.29	0.00615	0.00259		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000143	<0.0000624		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.710	0.00338	0.00078		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000143	<0.0000485		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000143	<0.0000499		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.38	0.00658	0.00536		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0662	0.000316	0.000257		4/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.31	0.00625	0.00508		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.57	0.00748	0.00183		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000143	<0.0000406		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000143	<0.0000291		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.000143	<0.0000291		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.456	0.00217	0.000915		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000143	<0.0000291		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.443	0.00211	0.0006		4/15/2009	zn	0.0300	EPA TO-11A
Sample ID: PSD0476-15 (C040409-02A)	**Tube**		**Sample Air Volume:176.16L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.00017	<0.000031		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.42	0.00806	0.00447		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0547	0.000311	0.000172		4/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.37	0.00778	0.00432		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	0.744	0.00422	0.00178		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.00017	<0.0000743		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.278	0.00158	0.000364		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.00017	<0.0000577		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.00017	<0.0000594		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.678	0.00385	0.00313		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0815	0.000463	0.000377		4/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.596	0.00338	0.00275		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.578	0.00328	0.000801		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.00017	<0.0000483		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.00017	<0.0000347		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.00017	<0.0000347		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.187	0.00106	0.000447		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.00017	<0.0000347		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.120	0.000681	0.000193		4/15/2009	zn	0.0300	EPA TO-11A

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Work Order: PSD0476
Project: Countywide - Ambient Air
Project Number: 07-0082

Received: 04/08/09
Reported: 04/30/09 14:01

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

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSD0476-16 (C040409-03A)	**Tube**		**Sample Air Volume:216.48L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0530	0.000245	0.0000446		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.41	0.0204	0.0113		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0513	0.000237	0.000132		4/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.36	0.0201	0.0112		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.31	0.00605	0.00255		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000139	<0.0000604		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.611	0.00282	0.00065		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000139	<0.000047		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0355	0.000164	0.0000572		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.36	0.00628	0.00511		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0393	0.000182	0.000148		4/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.32	0.0061	0.00496		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.22	0.00564	0.00138		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0445	0.000206	0.0000584		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0562	0.00026	0.0000528		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.000139	<0.0000282		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.450	0.00208	0.000875		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000139	<0.0000282		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.361	0.00167	0.000473		4/15/2009	zn	0.0300	EPA TO-11A
Sample ID: PSD0476-17 (G040409-01A)	**Tube**		**Sample Air Volume:174.24L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000172	<0.0000314		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.62	0.0208	0.0115		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0682	0.000391	0.000217		4/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.55	0.0204	0.0113		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.80	0.0103	0.00435		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000172	<0.0000751		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.815	0.00468	0.00108		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000172	<0.0000584		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000172	<0.0000601		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.72	0.00987	0.00804		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0400	0.00023	0.000187		4/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.68	0.00964	0.00785		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.22	0.0127	0.00311		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0425	0.000244	0.0000692		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000172	<0.000035		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.000172	<0.000035		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.438	0.00251	0.00106		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000172	<0.000035		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.629	0.00361	0.00102		4/15/2009	zn	0.0300	EPA TO-11A

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Work Order: PSD0476
Project: Countywide - Ambient Air
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Received: 04/08/09
Reported: 04/30/09 14:01

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.								
Sample ID: PSD0476-18 (G040409-02A)	**Tube**		**Sample Air Volume:164.64L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000182	<0.0000332		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.00	0.00607	0.00337		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0622	0.000378	0.00021		4/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.938	0.0057	0.00316		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	0.845	0.00513	0.00216		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000182	<0.0000795		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.255	0.00155	0.000357		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000182	<0.0000618		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000182	<0.0000636		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.688	0.00418	0.0034		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0395	0.00024	0.000195		4/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.648	0.00394	0.0032		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.571	0.00347	0.000847		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000182	<0.0000517		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000182	<0.0000371		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0720	0.000437	0.000089		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.145	0.000881	0.000371		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000182	<0.0000371		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.170	0.00103	0.000293		4/15/2009	zn	0.0300	EPA TO-11A
Sample ID: PSD0476-19 (G040409-03A)	**Tube**		**Sample Air Volume:171.36L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000175	<0.0000319		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.27	0.0249	0.0138		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0472	0.000275	0.000153		4/14/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.22	0.0246	0.0137		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.88	0.011	0.00462		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000175	<0.0000763		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.779	0.00455	0.00105		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000175	<0.0000594		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000175	<0.0000611		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.96	0.0114	0.00931		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0421	0.000246	0.0002		4/14/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.92	0.0112	0.00912		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.84	0.0107	0.00262		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000175	<0.0000497		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000175	<0.0000356		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.142	0.000829	0.000169		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.508	0.00296	0.00125		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000175	<0.0000356		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.588	0.00343	0.000974		4/15/2009	zn	0.0300	EPA TO-11A

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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: PSD0476
Project: Countywide - Ambient Air
Project Number: 07-0082

Received: 04/08/09
Reported: 04/30/09 14:01

Analyte	Result	Qual	Date Analyzed	Analyst	Rpt Limit	Method

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

Sample ID: PSD0476-20 (S040409-01A)	Tube	Sample Air Volume:123.36L			Sampled: 04/04/09	
	ug, Total	mg/m3	ppm			ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000243	<0.0000443	4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.07	0.033	0.0183	4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0578	0.000469	0.00026	4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.01	0.0325	0.018	4/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.15	0.00932	0.00392	4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000243	<0.000106	4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.343	0.00278	0.000641	4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000243	<0.0000825	4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000243	<0.0000848	4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.09	0.00884	0.00719	4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0571	0.000463	0.000377	4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.03	0.00835	0.0068	4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.05	0.00851	0.00208	4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000243	<0.000069	4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000243	<0.0000495	4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.000243	<0.0000495	4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.473	0.00383	0.00161	4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000243	<0.0000495	4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.355	0.00288	0.000817	4/15/2009	zn	0.0300	EPA TO-11A

Sample ID: PSD0476-21 (S040409-02A)	Tube	Sample Air Volume:222.24L			Sampled: 04/04/09	
	ug, Total	mg/m3	ppm			ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000135	<0.0000246	4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.74	0.00783	0.00435	4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0457	0.000206	0.000114	4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.69	0.0076	0.00422	4/15/2009	zn	0.0300	EPA TO-11A
Acetone	0.986	0.00444	0.00187	4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000135	<0.0000589	4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.299	0.00135	0.00031	4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000135	<0.0000458	4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000135	<0.0000471	4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.829	0.00373	0.00304	4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0604	0.000272	0.000221	4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.769	0.00346	0.00282	4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.479	0.00216	0.000526	4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000135	<0.0000383	4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000135	<0.0000275	4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.000135	<0.0000275	4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.280	0.00126	0.00053	4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000135	<0.0000275	4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.139	0.000625	0.000178	4/15/2009	zn	0.0300	EPA TO-11A

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

Analyte	Result	Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSD0476-22 (S040409-03A)	**Tube**		**Sample Air Volume:227.52L**			**Sampled: 04/04/09**
	ug, Total / mg/m3 / ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300 / <0.000132 / <0.000024		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.74 / 0.0252 / 0.014		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0424 / 0.000186 / 0.000103		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.70 / 0.0251 / 0.0139		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.53 / 0.00672 / 0.00283		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300 / <0.000132 / <0.0000575		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.580 / 0.00255 / 0.000587		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300 / <0.000132 / <0.0000447		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300 / <0.000132 / <0.000046		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.52 / 0.00668 / 0.00544		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0470 / 0.000207 / 0.000168		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.47 / 0.00646 / 0.00526		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.32 / 0.0058 / 0.00142		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300 / <0.000132 / <0.0000374		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300 / <0.000132 / <0.0000268		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300 / <0.000132 / <0.0000268		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.573 / 0.00252 / 0.00106		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300 / <0.000132 / <0.0000268		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.415 / 0.00182 / 0.000518		4/15/2009	zn	0.0300	EPA TO-11A
Sample ID: PSD0476-23 (W040409-01A)	**Tube**		**Sample Air Volume:203.52L**			**Sampled: 04/04/09**
	ug, Total / mg/m3 / ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300 / <0.000147 / <0.0000269		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.80 / 0.0236 / 0.0131		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0542 / 0.000266 / 0.000148		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.75 / 0.0233 / 0.013		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.49 / 0.00732 / 0.00308		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300 / <0.000147 / <0.0000643		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	1.16 / 0.0057 / 0.00131		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300 / <0.000147 / <0.00005		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300 / <0.000147 / <0.0000514		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.63 / 0.00801 / 0.00652		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0811 / 0.000398 / 0.000324		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.55 / 0.00762 / 0.0062		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.63 / 0.00801 / 0.00196		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300 / <0.000147 / <0.0000418		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300 / <0.000147 / <0.00003		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300 / <0.000147 / <0.00003		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.617 / 0.00303 / 0.00128		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300 / <0.000147 / <0.00003		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.514 / 0.00253 / 0.000717		4/15/2009	zn	0.0300	EPA TO-11A

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

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSD0476-24 (W040409-02A)	**Tube**		**Sample Air Volume:190.08L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000158	<0.0000288		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.23	0.00647	0.00359		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	0.616	0.00324	0.00136		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000158	<0.0000688		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.325	0.00171	0.000394		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000158	<0.0000535		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000158	<0.0000551		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.343	0.0018	0.00147		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.357	0.00188	0.000458		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000158	<0.0000448		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000158	<0.0000321		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.000158	<0.0000321		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.133	0.0007	0.000295		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000158	<0.0000321		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0807	0.000425	0.000121		4/15/2009	zn	0.0300	EPA TO-11A
Sample ID: PSD0476-25 (W040409-03A)	**Tube**		**Sample Air Volume:193.92L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000155	<0.0000282		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.29	0.0221	0.0123		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0398	0.000205	0.000114		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.25	0.0219	0.0122		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.30	0.0067	0.00282		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000155	<0.0000675		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	1.03	0.00531	0.00122		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000155	<0.0000525		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0363	0.000187	0.0000653		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.50	0.00774	0.0063		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0475	0.000245	0.000199		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.45	0.00748	0.00609		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.15	0.00593	0.00145		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000155	<0.0000439		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000155	<0.0000315		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.000155	<0.0000315		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.484	0.0025	0.00105		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000155	<0.0000315		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.349	0.0018	0.000511		4/15/2009	zn	0.0300	EPA TO-11A

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Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.								
Sample ID: PSD0476-26 (040409A-A (Field Blank))	**Tube**		**Sample Air Volume:L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0553	--	--		4/15/2009	zn	0.0300	EPA TO-11A
Acetone	1.28	--	--		4/15/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.427	--	--		4/15/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.850	--	--		4/15/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.0763	--	--		4/15/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--		4/15/2009	zn	0.0300	EPA TO-11A

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

Inorganic Acids by NIOSH 7903 (Modified)

Sample ID: PSD0476-01 (C040409-01H)	**Tube**		**Sample Air Volume:204.48L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.00959	<0.00643	N1	4/22/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.0113	<0.0138	N1	4/22/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-02 (C040409-02H)	**Tube**		**Sample Air Volume:210.24L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.00932	<0.00625	N1	4/22/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.011	<0.0134	N1	4/22/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-03 (C040409-03H)	**Tube**		**Sample Air Volume:205.92L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.00952	<0.00638	N1	4/22/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.0112	<0.0137	N1	4/22/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-04 (G040409-01H)	**Tube**		**Sample Air Volume:131.52L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.0149	<0.00999	N1	4/22/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.0176	<0.0215	N1	4/22/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-05 (G040409-02H)	**Tube**		**Sample Air Volume:108L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.0181	<0.0122	N1	4/22/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.0214	<0.0261	N1	4/22/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-06 (G040409-03H)	**Tube**		**Sample Air Volume:141.6L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	

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Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Inorganic Acids by NIOSH 7903 (Modified) - cont.								
Sample ID: PSD0476-06 (G040409-03H) - cont.	**Tube**		**Sample Air Volume:141.6L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.0138	<0.00928	N1	4/22/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.0163	<0.0199	N1	4/22/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-07 (S040409-01H)	**Tube**		**Sample Air Volume:146.88L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.0133	<0.00895	N1	4/23/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.0157	<0.0192	N1	4/23/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-08 (S040409-02H)	**Tube**		**Sample Air Volume:257.76L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.0076	<0.0051	N1	4/23/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.00896	<0.011	N1	4/23/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-09 (S040409-03H)	**Tube**		**Sample Air Volume:211.68L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.00926	<0.00621	N1	4/23/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.0109	<0.0133	N1	4/23/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-10 (W040409-01H)	**Tube**		**Sample Air Volume:188.16L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.0104	<0.00699	N1	4/23/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.0123	<0.015	N1	4/23/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-11 (W040409-02H)	**Tube**		**Sample Air Volume:192.96L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.0102	<0.00681	N1	4/23/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.012	<0.0146	N1	4/23/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-12 (W040409-03H)	**Tube**		**Sample Air Volume:179.52L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	<0.0109	<0.00732	N1	4/23/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	<0.0129	<0.0157	N1	4/23/2009	SS	2.31	NIOSH 7903 (MOD)
Sample ID: PSD0476-13 (040409A-H (Field Blank))	**Tube**		**Sample Air Volume:L**				**Sampled: 04/04/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.96	--	--	N1	4/23/2009	SS	1.96	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.31	--	--	N1	4/23/2009	SS	2.31	NIOSH 7903 (MOD)

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

Work Order: PSD0476
Project: Countywide - Ambient Air
Project Number: 07-0082

Received: 04/08/09
Reported: 04/30/09 14:01

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)						
P9D1421-BLK1						
Formaldehyde	0.08491	IH2	ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Formaldehyde - Back	0.04167	IH2	ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Acetaldehyde	0.04883	IH2	ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Acetaldehyde - Back	0.03172	IH2	ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Acrolein	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Acrolein - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Acetone	<0.300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Acetone - Back	<0.300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Propionaldehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Crotonaldehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Butyraldehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Benzaldehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Isovaleraldehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Valeraldehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
o-Tolualdehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
m-Tolualdehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
p-Tolualdehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Hexaldehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9D1421	P9D1421-BLK1	04-14-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9D2440-BLK1						
Hydrochloric Acid	<1.96		ug, Total	P9D2440	P9D2440-BLK1	04-22-2009
Hydrochloric Acid - Back	<1.96		ug, Total	P9D2440	P9D2440-BLK1	04-22-2009
Hydrofluoric Acid	<2.31		ug, Total	P9D2440	P9D2440-BLK1	04-22-2009
Hydrofluoric Acid - Back	<2.31		ug, Total	P9D2440	P9D2440-BLK1	04-22-2009

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975 Eastwind Drive, Suite 190			Reported: 04/30/09 14:01
Westerville, OH 43081	Project:	Countywide - Ambient Air	
Shawn Ansbro	Project Number:	07-0082	

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9D1421-DUP1									
Formaldehyde	1.310	1.298		ug, Total	0.92	10	P9D1421	PSD0476-14	04-15-2009
Acetaldehyde	4.170	4.164		ug, Total	0.144	10	P9D1421	PSD0476-14	04-15-2009
Acrolein	ND	<0.0300		ug, Total		10	P9D1421	PSD0476-14	04-15-2009
Acetone	1.290	1.282		ug, Total	0.622	10	P9D1421	PSD0476-14	04-15-2009
Propionaldehyde	0.4560	0.4543		ug, Total	0.374	10	P9D1421	PSD0476-14	04-15-2009
Crotonaldehyde	ND	<0.0300		ug, Total		10	P9D1421	PSD0476-14	04-15-2009
Butyraldehyde	ND	<0.0300		ug, Total		10	P9D1421	PSD0476-14	04-15-2009
Benzaldehyde	0.7100	0.7173		ug, Total	1.02	10	P9D1421	PSD0476-14	04-15-2009
Isovaleraldehyde	ND	<0.0300		ug, Total		10	P9D1421	PSD0476-14	04-15-2009
Valeraldehyde	0.4430	0.4391		ug, Total	0.884	10	P9D1421	PSD0476-14	04-15-2009
o-Tolualdehyde	ND	<0.0300		ug, Total		10	P9D1421	PSD0476-14	04-15-2009
m-Tolualdehyde	ND	<0.0300		ug, Total		10	P9D1421	PSD0476-14	04-15-2009
p-Tolualdehyde	ND	<0.0300		ug, Total		10	P9D1421	PSD0476-14	04-15-2009
Hexaldehyde	1.570	1.580		ug, Total	0.635	10	P9D1421	PSD0476-14	04-15-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300		ug, Total		10	P9D1421	PSD0476-14	04-15-2009

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9D1421-BS1								
Formaldehyde	0.45	0.5093		ug, Total	113%	22-134	P9D1421	04-14-2009
Acetaldehyde	0.45	0.4826		ug, Total	107%	51-142	P9D1421	04-14-2009
Acrolein	0.45	0.1810	L2	ug, Total	40%	75-125	P9D1421	04-14-2009
Acetone	0.45	0.6356	IH5	ug, Total	141%	75-125	P9D1421	04-14-2009
Propionaldehyde	0.45	0.7446	L1	ug, Total	165%	67-145	P9D1421	04-14-2009
Crotonaldehyde	0.45	0.3544		ug, Total	79%	66-146	P9D1421	04-14-2009
Butyraldehyde	0.45	0.5588		ug, Total	124%	56-141	P9D1421	04-14-2009
Benzaldehyde	0.45	0.4390		ug, Total	98%	57-142	P9D1421	04-14-2009
Isovaleraldehyde	0.45	0.4327		ug, Total	96%	66-144	P9D1421	04-14-2009
Valeraldehyde	0.45	0.4372		ug, Total	97%	66-144	P9D1421	04-14-2009
o-Tolualdehyde	0.45	0.4376		ug, Total	97%	39-130	P9D1421	04-14-2009
m-Tolualdehyde	0.45	0.4303		ug, Total	96%	73-143	P9D1421	04-14-2009
p-Tolualdehyde	0.45	0.4219		ug, Total	94%	66-147	P9D1421	04-14-2009
Hexaldehyde	0.45	0.4411		ug, Total	98%	65-145	P9D1421	04-14-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4266		ug, Total	95%	75-144	P9D1421	04-14-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9D2440-BS1								
Hydrochloric Acid	10.3	10.38		ug, Total	101%	70-130	P9D2440	04-22-2009
Hydrofluoric Acid	10.6	9.780		ug, Total	92%	70-130	P9D2440	04-22-2009

LCS Dup

Lawhon and Associates, Inc.	Work Order:	PSD0476	Received: 04/08/09
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Westerville, OH 43081	Project:	Countywide - Ambient Air	
Shawn Ansbro	Project Number:	07-0082	

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)												
P9D1421-BSD1												
Formaldehyde		0.5096		ug, Total	0.45	113%	22-134	0.0589	20	P9D1421		04-14-2009
Acetaldehyde		0.4911		ug, Total	0.45	109%	51-142	1.75	20	P9D1421		04-14-2009
Acrolein		0.1666	L2	ug, Total	0.45	37%	75-125	8.29	20	P9D1421		04-14-2009
Acetone		0.6232	IH5	ug, Total	0.45	138%	75-125	1.97	20	P9D1421		04-14-2009
Propionaldehyde		0.7646	L1	ug, Total	0.45	170%	67-145	2.65	20	P9D1421		04-14-2009
Crotonaldehyde		0.3449		ug, Total	0.45	77%	66-146	2.72	20	P9D1421		04-14-2009
Butyraldehyde		0.5867		ug, Total	0.45	130%	56-141	4.87	20	P9D1421		04-14-2009
Benzaldehyde		0.4339		ug, Total	0.45	96%	57-142	1.17	20	P9D1421		04-14-2009
Isovaleraldehyde		0.4272		ug, Total	0.45	95%	66-144	1.28	20	P9D1421		04-14-2009
Valeraldehyde		0.4357		ug, Total	0.45	97%	66-144	0.344	20	P9D1421		04-14-2009
o-Tolualdehyde		0.4360		ug, Total	0.45	97%	39-130	0.366	20	P9D1421		04-14-2009
m-Tolualdehyde		0.4360		ug, Total	0.45	97%	73-143	1.32	20	P9D1421		04-14-2009
p-Tolualdehyde		0.4281		ug, Total	0.45	95%	66-147	1.46	20	P9D1421		04-14-2009
Hexaldehyde		0.4421		ug, Total	0.45	98%	65-145	0.226	20	P9D1421		04-14-2009
2,5-Dimethyl Benzaldehyde		0.4308		ug, Total	0.45	96%	75-144	0.98	20	P9D1421		04-14-2009
Inorganic Acids by NIOSH 7903 (Modified)												
P9D2440-BSD1												
Hydrochloric Acid		10.70		ug, Total	10.3	104%	70-130	3.04	30	P9D2440		04-22-2009
Hydrofluoric Acid		10.28		ug, Total	10.6	97%	70-130	4.99	30	P9D2440		04-22-2009

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Lawhon and Associates, Inc.	Work Order:	PSD0476	Received: 04/08/09
975 Eastwind Drive, Suite 190			Reported: 04/30/09 14:01
Westerville, OH 43081	Project:	Countywide - Ambient Air	
Shawn Ansbro	Project Number:	07-0082	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Laboratories, Inc., Phoenix Laboratory (TAL), 4645 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Laboratories, Inc., Phoenix Laboratory (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 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6001, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7600, NIOSH 7903, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, 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 Laboratories, Inc., Phoenix Laboratory is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Laboratories, Inc., Phoenix Laboratory 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

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Lawhon and Associates, Inc.	Work Order:	PSD0476	Received:	04/08/09
975 Eastwind Drive, Suite 190			Reported:	04/30/09 14:01
Westerville, OH 43081	Project:	Countywide - Ambient Air		
Shawn Ansbro	Project Number:	07-0082		

DATA QUALIFIERS AND DEFINITIONS

IH2	Target analyte was detected in the method blank at or above the reporting limit. The background was not subtracted from the client's sample(s).
IH5	The associated blank media spike recovery was above laboratory acceptance limits, because of background interference present in the media or solvent that was below the reporting limit, but high enough to have an effect on the recovery of the spikes.
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.
N1	See case narrative.

ADDITIONAL COMMENTS

LAWHON & associates inc.

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

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Cleveland, OH 44113
Phone: (216) 737-0100
Fax: (216) 737-0109

№ 8418

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

Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

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:

Remarks:

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	Flow Rate l/min
C040409-01A				4/4/09	480	Cell Tower	1			X	X	X	FSD0476-1			0.426 l/min
C040409-02A				4/4/09	480	Cell Tower	1			X	X	X	-2			0.438 "
C040409-03A				4/4/09	480	Cell Tower	1			X	X	X	-3			0.429 "
G040409-01A				4/4/09	480	Campground	1			X	X	X	-4			0.274 l/min
G040409-02A				4/4/09	480	Campground	1			X	X	X	-5			0.225 "
G040409-03A				4/4/09	480	Campground	1			X	X	X	-6			0.295 "
S040409-01A				4/4/09	480	School	1			X	X	X	-7			0.306 l/min
S040409-02A				4/4/09	480	School	1			X	X	X	-8			0.537 "
S040409-03A				4/4/09	480	School	1			X	X	X	-9			0.441 "
W040409-01A				4/4/09	480	Wetland	1			X	X	X	-10			0.392 l/min
W040409-02A				4/4/09	480	Wetland	1			X	X	X	-11			0.402 "
W040409-03A				4/4/09	480	Wetland	1			X	X	X	-12			0.374 "
040409A-H				4/4/09	—	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]	04/07/09 1500			Fed Ex			
[signature]	4/7/09 800					[signature]	4/8/09 925

Comments:

Distributor: White - File; Yellow - Lab

12.6°C

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

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Cleveland, OH 44113
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Fax: (216) 737-0109

Nº 8420

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

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro
Project No: 07-0082
Project Name: Countywide
Sampler (print): Rick Jones
Signature:

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:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis: Method TO11	Aldehyde TO11	Ketone TO11	Carbonyl		Expected Conc. (H,M,L)	Hold	Remarks:
C040409-01A				4/4/09	480	Cell Tower	1			X	X	X	PSD04476-14			Flow Rate l/min
C040409-02A				4/4/09	480	Cell Tower	1			X	X	X	-15			0.437 l/min
C040409-03A				4/4/09	480	Cell Tower	1			X	X	X	-16			0.367 "
																0.451 "
G040409-01A				4/4/09	480	Campground	1			X	X	X	-17			0.363 l/min
G040409-02A				4/4/09	480	Campground	1			X	X	X	-18			0.343 "
G040409-03A				4/4/09	480	Campground	1			X	X	X	-19			0.357 "
S040409-01A				4/4/09	480	School	1			X	X	X	-20			0.257 l/min
S040409-02A				4/4/09	480	School	1			X	X	X	-21			0.463 "
S040409-03A				4/4/09	480	School	1			X	X	X	-22			0.474 "
W040409-01A				4/4/09	480	Wetland	1			X	X	X	-23			0.424 l/min
W040409-02A				4/4/09	480	Wetland	1			X	X	X	-24			0.396 "
W040409-03A				4/4/09	480	Wetland	1			X	X	X	-25			0.404 "
040409A-A				4/4/09	—	Field Blank	1			X	X	X	-26			No ~~Flow~~ Flow Field Blank

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	04/07/09 1500						
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	4/7/09 800						4/8/09 925

Comments:

Distributor: White - File; Yellow - Lab

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #24

May 20, 2009

APPENDIX D. Laboratory Analytical Results from Event #115:
Sampling conducted Friday April 10 to Saturday April 11, 2009

Test America Laboratories: EPA Method TO-15; EPA Method TO-11A; NIOSH 7903

TestAmerica
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TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Countywide

Lot #: H9D150216

Shawn Ansbro

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TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

April 23, 2009

ANALYTICAL METHODS SUMMARY

H9D150216

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H9D150216

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K95CM	001	SU-C041009	04/10/09	
K95CW	002	SU-G041009	04/10/09	
K95C1	003	SU-S041009	04/10/09	
K95C4	004	SU-W041009	04/10/09	
K95C7	005	SU-COC041009	04/10/09	

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
H9D150216

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

The container for all samples was received without a label.

The chain of custody documentation listed the canister ID for sample SU-C041009 as 16162. The correct ID should be 12162.

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 surrogate recoveries for batch 9107065 were quantitated against daily calibration verification standard.

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-C041009

GC/MS Volatiles

Lot-Sample # H9D150216 - 001 Work Order # K95CM1AA Matrix.....: AIR

Date Sampled...: 04/10/2009 Date Received..: 04/15/2009
Prep Date.....: 04/16/2009 Analysis Date... 04/16/2009
Prep Batch #.....: 9107065
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-tetrafluoroeth ane	ND	0.20	ND		1.4
Acetone	**3.5**	**5.0**	**8.3**	**J B**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.43**	**J B**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.16**	**0.50**	**0.57**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.046**	**0.50**	**0.22**	**J**	**2.3**
tert-Butyl alcohol	**0.039**	**2.0**	**0.12**	**J**	**6.1**
Methylene chloride	**0.29**	**0.50**	**1.0**	**J**	**1.7**
Benzene	**0.27**	**0.20**	**0.87**		**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	**0.074**	**1.0**	**0.22**	**J**	**2.9**
Toluene	**0.26**	**0.20**	**0.98**		**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-trifluoroet hane	**0.074**	**0.20**	**0.57**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.092**	**0.20**	**0.45**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.073**	**0.20**	**0.32**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.21**	**0.20**	**0.91**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.48**	**1.0**	**1.4**	**J B**	**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	**0.080**	**0.50**	**0.25**	**J**	**1.6**
Carbon tetrachloride	**0.091**	**0.20**	**0.57**	**J**	**1.3**

Lawbon & Associates, Inc.

Client Sample ID: SU-C041009

GC/MS Volatiles

Lot-Sample # H9D150216 - 001 Work Order # K95CM1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	**0.057**	**0.20**	**0.26**	**J**	**0.92**
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.82**	**0.50**	**1.7**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.048**	**0.50**	**0.17**	**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	**0.46**	**0.20**	**2.3**		**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
1-Butanol	4.6	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	70 - 130

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-G041009

GC/MS Volatiles

Lot-Sample #	H9D150216 - 002	**Work Order #**	K95CW1AA	**Matrix.....:**	AIR
Date Sampled...:	04/10/2009	**Date Received..:**	04/15/2009		
Prep Date.....:	04/16/2009	**Analysis Date...**	04/16/2009		
Prep Batch #.....:	9107065				
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	**4.3**	**5.0**	**10**	**J B**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.24**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.12**	**0.50**	**0.49**	**J B**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.11**	**0.50**	**0.38**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.052**	**2.0**	**0.16**	**J**	**6.1**
Methylene chloride	**0.21**	**0.50**	**0.74**	**J**	**1.7**
Benzene	**0.17**	**0.20**	**0.56**	**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	**0.23**	**0.20**	**0.87**		**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	**0.13**	**0.20**	**0.62**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.078**	**0.20**	**0.34**	**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)	**0.44**	**1.0**	**1.3**	**J B**	**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	**0.073**	**0.40**	**0.36**	**J**	**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-G041009

GC/MS Volatiles

Lot-Sample # H9D150216 - 002 **Work Order #** K95CW1AA **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	**0.79**	**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	**0.48**	**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	70 - 130

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-S041009

GC/MS Volatiles

Lot-Sample #	H9D150216 - 003	Work Order #	K95C11AA	Matrix.....:	AIR
Date Sampled...:	04/10/2009	Date Received..:	04/15/2009		
Prep Date.....:	04/16/2009	Analysis Date...	04/16/2009		
Prep Batch #.....:	9107065				
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	**5.0**	**5.0**	**12**	**B**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.15**	**0.50**	**0.60**	**J B**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.23**	**0.50**	**0.82**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.084**	**2.0**	**0.26**	**J**	**6.1**
Methylene chloride	**0.29**	**0.50**	**1.0**	**J**	**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	**0.16**	**0.20**	**0.59**	**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	**0.078**	**0.20**	**0.60**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.14**	**0.20**	**0.70**	**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	**0.16**	**0.20**	**0.68**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.66**	**1.0**	**1.9**	**J B**	**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	**0.095**	**0.20**	**0.60**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S041009

GC/MS Volatiles

Lot-Sample # H9D150216 - 003 **Work Order #** K95C11AA **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	**0.78**	**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	**0.52**	**0.20**	**2.6**	**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	70 - 130

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-W041009

GC/MS Volatiles

Lot-Sample #	H9D150216 - 004	**Work Order #**	K95C41AA	**Matrix.....:**	AIR
Date Sampled...:	04/10/2009	**Date Received..:**	04/15/2009		
Prep Date.....:	04/16/2009	**Analysis Date...**	04/16/2009		
Prep Batch #.....:	9107065				
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	**2.8**	**5.0**	**6.6**	**J B**	**12**
Ethylbenzene	**0.49**	**0.20**	**2.1**		**0.87**
Trichlorofluoromethane	**0.24**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.097**	**0.50**	**0.40**	**J B**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.14**	**0.50**	**0.48**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.26**	**0.50**	**0.91**	**J**	**1.7**
Benzene	**0.17**	**0.20**	**0.55**	**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	**0.19**	**0.20**	**0.71**	**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	**0.076**	**0.20**	**0.58**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.65**	**0.20**	**3.2**		**0.98**
1,3,5-Trimethylbenzene	**0.27**	**0.20**	**1.3**		**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.52**	**0.20**	**2.3**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**1.7**	**0.20**	**7.4**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.32**	**1.0**	**0.95**	**J B**	**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	**0.17**	**0.40**	**0.86**	**J**	**2.0**
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.096**	**0.20**	**0.60**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W041009

GC/MS Volatiles

Lot-Sample # H9D150216 - 004 **Work Order #** K95C41AA **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	**0.50**	**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

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-COC041009

GC/MS Volatiles

Lot-Sample # H9D150216 - 005 Work Order # K95C71AA Matrix.....: AIR

Date Sampled...: 04/10/2009 Date Received..: 04/15/2009
Prep Date.....: 04/16/2009 Analysis Date... 04/16/2009
Prep Batch #.....: 9107065
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	**3.0**	**5.0**	**7.1**	**J B**	**12**
Ethylbenzene	**0.10**	**0.20**	**0.45**	**J**	**0.87**
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.46**	**J B**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.24**	**0.50**	**0.86**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.62**	**0.50**	**2.9**		**2.3**
tert-Butyl alcohol	**0.079**	**2.0**	**0.24**	**J**	**6.1**
Methylene chloride	**0.51**	**0.50**	**1.8**		**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	**0.068**	**1.0**	**0.20**	**J**	**2.9**
Toluene	**0.30**	**0.20**	**1.1**		**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	**0.050**	**0.20**	**0.27**	**J**	**1.1**
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.079**	**0.20**	**0.61**	**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	**0.15**	**0.20**	**0.64**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.33**	**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)	**0.34**	**1.0**	**1.00**	**J B**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.067**	**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	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.090**	**0.20**	**0.56**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COC041009

GC/MS Volatiles

Lot-Sample # H9D150216 - 005 **Work Order #** K95C71AA **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	**0.77**	**0.50**	**1.6**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.048**	**0.50**	**0.16**	**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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

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 #	H9D170000 - 065B	**Work Order #**	K98N01AA	**Matrix.....:**	AIR
	04/10/2009	**Date Received..:**	04/15/2009		
Prep Date.....:	04/16/2009	**Analysis Date...**	04/16/2009		
Prep Batch #.....:	9107065				
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	**1.9**	**5.0**	**4.4**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	ND	0.20	ND		1.1
n-Heptane	**0.051**	**0.50**	**0.21**	**J**	**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)	**0.24**	**1.0**	**0.71**	**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

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9D170000 - 065B Work Order # K98N01AA 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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	70 - 130

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 #	H9D170000 - 065C	**Work Order #**	K98N01AC
Matrix.....:	AIR		
	04/10/2009	**Date Received..:**	04/15/2009
Prep Date.....:	04/16/2009	**Analysis Date...**	04/16/2009
Prep Batch #.....:	9107065		
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
Benzene	12.5	9.17	40	29	73	70 - 130
Toluene	12.5	9.12	47	34	73	70 - 130
Trichloroethene	12.5	10.2	67	55	82	70 - 130
Chlorobenzene	12.5	8.89	58	41	71	70 - 130
1,1-Dichloroethene	12.5	11.0	50	44	88	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	70 - 130

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 ~~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

H9D150216

No 8424

Sent To: TestAmerica (Lab Name)
VIA: Fed Ex
Air Bill No.: 8592 3781 2344
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	TO-15 VOC	TO-15 TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C041009				4/10/09	1440	Cell Tower	1				X	X			16162
SU-G041009				4/10/09	1440	Campground	1				X	X			13608
SU-S041009				4/10/09	1440	School	1				X	X			6614
SU-W041009				4/10/09	1440	Wetland	1				X	X			04192
SU-COC041009				4/10/09	1440	Cell Tower-Co-loc	1				X	X			12490

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 4/15/09
FED EX # 8592 3781 2344

5 CANS / 5 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	4/14/09 1500						
	4/14/09 1800	Ryan Henry	4/15/09 1000				

Comments:

Distributor: White - File; Yellow - Lab

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

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	Project Manager: Shawn Ansboro	Sampled By: Rick Jones	2 of 2 COCs
Company: Lawhon & Associates	Phone:		
Address: 975 Eastwind Dr. Suite 190	Site Contact:		
City/State/Zip: Westerville, Ohio 43081	TAL Contact: Jamie McKinney		
Phone: (614) 818-5200			
FAX: (614) 818-5219			
Project Name: County wide	Analysis Turnaround Time		
Site/location: Community	Standard (Specify) X		
PO # 07-00082	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	TIC	STARS STD	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C041009	4/10/09	1500	1500	-28.5	0	K234	12162	X					X						
SU-G041009				-28.5	-5	K301	1360B	X					X						
SU-S041009				-28.5	-3.5	K350	6614	X					X						
SU-W041009				-28.5	-3.5	K339	04192	X					X						
SU-COC041009				-28.5	0	K432	12490	X					X						

Sampled by :	Temperature (Fahrenheit)			
		Interior	Ambient	
	Start			
	Stop			

	Pressure (Inches of Hg)			
		Interior	Ambient	
	Start			
	Stop			

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time: 4/14/09 / 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 4/14/09 / 0800	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9D150216

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)		✓		☐1a Do not match COC ☐1b Incomplete information ☐1c Marking smeared ☐1d Label torn ☑1e No label ☐1f COC not received ☑1g Other:	1e - NO SAMPLE LABEL; MATCHED BY CAN ID. 1g - CAN ID LISTED ON COC AS 16162, SHOULD BE 12162.
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐2a Temp Blank = _____ ☐2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐4a Not present ☐4b Not intact ☐4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐5a Samples received-not on COC ☐5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐6a Leaking ☐6b Broken	
7. Were VOA samples received without headspace?			✓	☐7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐13a Leaking ☐13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry **Date:** 4/15/09

QA026R19.doc, 080707

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

May 07, 2009

LABORATORY REPORT

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

Work Order:	PSD0875
Project Name:	Countywide - Ambient Air
Project Number:	07-0082
Date Received:	04/15/09

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.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report. 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 8.9°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.

Per client request, sample results were not blank corrected. The QC samples were also not blank corrected.

N1 - The Laboratory Control Sample Duplicate recovered high and outside of acceptance limits for Acetone. The LCS / LCSD were within acceptance limits when adjusted for the Method Blank.

N1 - Acetaldehyde for sample PSD1157-22 Front section required dilution since the sample concentration was above the calibration curve. There was an error on the autosampler, and the sample extract was lost and could not be analyzed at the appropriate dilution.

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: PSD0875
Project: Countywide - Ambient Air
Project Number: 07-0082

Received: 04/15/09
Reported: 05/07/09 15:49

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C041009-01H	PSD0875-01	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
C041009-02H	PSD0875-02	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
C041009-03H	PSD0875-03	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
G041009-01H	PSD0875-04	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
G041009-02H	PSD0875-05	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
G041009-03H	PSD0875-06	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
S041009-01H	PSD0875-07	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
S041009-02H	PSD0875-08	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
S041009-03H	PSD0875-09	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
W041009-01H	PSD0875-10	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
W041009-02H	PSD0875-11	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
W041009-03H	PSD0875-12	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
041009A-H (Field Blank)	PSD0875-13	04/10/09	Silica Gel tube, 200/400 mg Specially cleaned
C041009-01A	PSD0875-14	04/10/09	DNPH Silica Gel Tube, 450 mg
C041009-02A	PSD0875-15	04/10/09	DNPH Silica Gel Tube, 450 mg
C041009-03A	PSD0875-16	04/10/09	DNPH Silica Gel Tube, 450 mg
G041009-01A	PSD0875-17	04/10/09	DNPH Silica Gel Tube, 450 mg
G041009-02A	PSD0875-18	04/10/09	DNPH Silica Gel Tube, 450 mg
G041009-03A	PSD0875-19	04/10/09	DNPH Silica Gel Tube, 450 mg
S041009-01A	PSD0875-20	04/10/09	DNPH Silica Gel Tube, 450 mg
S041009-02A	PSD0875-21	04/10/09	DNPH Silica Gel Tube, 450 mg
S041009-03A	PSD0875-22	04/10/09	DNPH Silica Gel Tube, 450 mg
W041009-01A	PSD0875-23	04/10/09	DNPH Silica Gel Tube, 450 mg
W041009-02A	PSD0875-24	04/10/09	DNPH Silica Gel Tube, 450 mg
W041009-03A	PSD0875-25	04/10/09	DNPH Silica Gel Tube, 450 mg
041009A-A	PSD0875-26	04/10/09	DNPH Silica Gel Tube, 450 mg

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ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified)								
Sample ID: PSD0875-14 (C041009-01A)	**Tube**		**Sample Air Volume:192.96L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000155	<0.0000283		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.252	0.00131	0.000725		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0476	0.000247	0.000137		4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.204	0.00106	0.000587		4/26/2009	zn	0.0300	EPA TO-11A
Acetone	0.388	0.00201	0.000846		4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000155	<0.0000678		4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	<0.000155	<0.0000358		4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000155	<0.0000527		4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000155	<0.0000542		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.236	0.00122	0.000996		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0536	0.000278	0.000226		4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.182	0.000943	0.000768		4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	<0.000155	<0.000038		4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000155	<0.0000441		4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000155	<0.0000316		4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0301	0.000156	0.0000317		4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.0435	0.000225	0.0000949		4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000155	<0.0000316		4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.000155	<0.0000441		4/26/2009	zn	0.0300	EPA TO-11A
Sample ID: PSD0875-15 (C041009-02A)	**Tube**		**Sample Air Volume:163.2L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000184	<0.0000335		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.173	0.00106	0.000588		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0542	0.000332	0.000184		4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.119	0.000729	0.000405		4/26/2009	zn	0.0300	EPA TO-11A
Acetone	0.331	0.00203	0.000854		4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000184	<0.0000802		4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	<0.000184	<0.0000424		4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000184	<0.0000623		4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000184	<0.0000641		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.180	0.0011	0.000898		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0625	0.000383	0.000312		4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.118	0.000723	0.000589		4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	<0.000184	<0.0000449		4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000184	<0.0000522		4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000184	<0.0000374		4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0334	0.000205	0.0000416		4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	<0.000184	<0.0000774		4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000184	<0.0000374		4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.000184	<0.0000522		4/26/2009	zn	0.0300	EPA TO-11A

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Analyte	Result	Qual	Date Analyzed	Analyst	Rpt Limit	Method

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

Sample ID: PSD0875-16 (C041009-03A)	Tube	Sample Air Volume:199.2L				Sampled: 04/10/09
	ug, Total	mg/m3	ppm			ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000151	<0.0000274	4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.374	0.00188	0.00104	4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0557	0.00028	0.000155	4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.318	0.0016	0.000886	4/26/2009	zn	0.0300	EPA TO-11A
Acetone	0.351	0.00176	0.000742	4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000151	<0.0000657	4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	<0.000151	<0.0000347	4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000151	<0.0000511	4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000151	<0.0000525	4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.222	0.00111	0.000907	4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0605	0.000304	0.000247	4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.162	0.000813	0.000662	4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	<0.000151	<0.0000368	4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000151	<0.0000428	4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000151	<0.0000306	4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0311	0.000156	0.0000318	4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.0476	0.000239	0.000101	4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000151	<0.0000306	4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.000151	<0.0000428	4/26/2009	zn	0.0300	EPA TO-11A

Sample ID: PSD0875-17 (G041009-01A)	Tube	Sample Air Volume:125.76L				Sampled: 04/10/09
	ug, Total	mg/m3	ppm			ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000239	<0.0000435	4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.53	0.0122	0.00675	4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0853	0.000678	0.000376	4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.44	0.0115	0.00636	4/26/2009	zn	0.0300	EPA TO-11A
Acetone	1.00	0.00795	0.00335	4/26/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.326	0.00259	0.00109	4/25/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.677	0.00538	0.00227	4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000239	<0.000104	4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.604	0.0048	0.00111	4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.509	0.00405	0.00137	4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000239	<0.0000832	4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.24	0.00986	0.00803	4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0754	0.0006	0.000488	4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.16	0.00922	0.00751	4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.64	0.013	0.00318	4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000239	<0.0000677	4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000239	<0.0000485	4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.106	0.000843	0.000172	4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.355	0.00282	0.00119	4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000239	<0.0000485	4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.504	0.00401	0.00114	4/26/2009	zn	0.0300	EPA TO-11A

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Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.								
Sample ID: PSD0875-18 (G041009-02A)	**Tube**		**Sample Air Volume:95.04L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000316	<0.0000575		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.647	0.00681	0.00378		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0657	0.000691	0.000384		4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.581	0.00611	0.00339		4/26/2009	zn	0.0300	EPA TO-11A
Acetone	1.97	0.0207	0.00873		4/26/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.617	0.00649	0.00273		4/25/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.35	0.0142	0.00598		4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000316	<0.000138		4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	<0.000316	<0.0000727		4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.262	0.00276	0.000935		4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000316	<0.00011		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.599	0.0063	0.00513		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0621	0.000653	0.000532		4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.537	0.00565	0.0046		4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.682	0.00718	0.00175		4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000316	<0.0000896		4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000316	<0.0000642		4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0894	0.000941	0.000191		4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.153	0.00161	0.000678		4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000316	<0.0000642		4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.000316	<0.0000896		4/26/2009	zn	0.0300	EPA TO-11A
Sample ID: PSD0875-19 (G041009-03A)	**Tube**		**Sample Air Volume:134.88L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000222	<0.0000405		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.57	0.0191	0.0106		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0655	0.000486	0.00027		4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.50	0.0185	0.0103		4/26/2009	zn	0.0300	EPA TO-11A
Acetone	1.17	0.00867	0.00365		4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000222	<0.000097		4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.465	0.00345	0.000794		4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.563	0.00417	0.00142		4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0301	0.000223	0.0000757		4/25/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.533	0.00395	0.00134		4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000222	<0.0000776		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.28	0.00949	0.00773		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0654	0.000485	0.000395		4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.21	0.00897	0.0073		4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.19	0.00882	0.00215		4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000222	<0.0000631		4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000222	<0.0000453		4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.112	0.00083	0.000169		4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.348	0.00258	0.00109		4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000222	<0.0000453		4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.374	0.00277	0.000787		4/26/2009	zn	0.0300	EPA TO-11A

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

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSD0875-20 (S041009-01A)	**Tube**		**Sample Air Volume:118.56L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000253	<0.0000461		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.40	0.0202	0.0112		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.107	0.000902	0.000501		4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.29	0.0193	0.0107		4/26/2009	zn	0.0300	EPA TO-11A
Acetone	1.23	0.0104	0.00437		4/26/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.354	0.00299	0.00126		4/25/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.872	0.00735	0.0031		4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000253	<0.00011		4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.381	0.00321	0.00074		4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.695	0.00586	0.00199		4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000253	<0.0000883		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.816	0.00688	0.0056		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0662	0.000558	0.000455		4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.750	0.00633	0.00515		4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.26	0.0106	0.00259		4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000253	<0.0000718		4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000253	<0.0000515		4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.107	0.000902	0.000184		4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Back (e)	0.0303	0.000256	0.000052		4/25/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Front	0.0767	0.000647	0.000132		4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.458	0.00386	0.00163		4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000253	<0.0000515		4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.400	0.00337	0.000958		4/26/2009	zn	0.0300	EPA TO-11A
Sample ID: PSD0875-21 (S041009-02A)	**Tube**		**Sample Air Volume:211.2L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000142	<0.0000259		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.05	0.00497	0.00276		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0688	0.000326	0.000181		4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.978	0.00463	0.00257		4/26/2009	zn	0.0300	EPA TO-11A
Acetone	0.833	0.00394	0.00166		4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000142	<0.0000619		4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.424	0.00201	0.000463		4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.439	0.00208	0.000705		4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000142	<0.0000496		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.661	0.00313	0.00255		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0701	0.000332	0.00027		4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.591	0.0028	0.00228		4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.680	0.00322	0.000786		4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000142	<0.0000403		4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000142	<0.0000289		4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.112	0.00053	0.000108		4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.228	0.00108	0.000454		4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000142	<0.0000289		4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.000142	<0.0000403		4/26/2009	zn	0.0300	EPA TO-11A

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

Work Order: PSD0875
Project: Countywide - Ambient Air
Project Number: 07-0082

Received: 04/15/09
Reported: 05/07/09 15:49

Analyte	Result	Qual	Date Analyzed	Analyst	Rpt Limit	Method

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

Sample ID: PSD0875-22 (S041009-03A)	Tube	Sample Air Volume:215.52L			Sampled: 04/10/09	
	ug, Total	mg/m3	ppm			ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000139	<0.0000254	4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.03	0.0141	0.0078	4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0671	0.000311	0.000173	4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.96	0.0137	0.00762	4/26/2009	zn	0.0300	EPA TO-11A
Acetone	1.07	0.00496	0.00209	4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000139	<0.0000607	4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.406	0.00188	0.000434	4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.709	0.00329	0.00112	4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000139	<0.0000486	4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.958	0.00445	0.00362	4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0704	0.000327	0.000266	4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.888	0.00412	0.00335	4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.05	0.00487	0.00119	4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0553	0.000257	0.0000728	4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000139	<0.0000283	4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.147	0.000682	0.000139	4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.377	0.00175	0.000736	4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000139	<0.0000283	4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.314	0.00146	0.000414	4/26/2009	zn	0.0300	EPA TO-11A

Sample ID: PSD0875-23 (W041009-01A)	Tube	Sample Air Volume:187.2L			Sampled: 04/10/09	
	ug, Total	mg/m3	ppm			ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.00016	<0.0000292	4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.19	0.0117	0.00649	4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0935	0.000499	0.000277	4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.10	0.0112	0.00623	4/26/2009	zn	0.0300	EPA TO-11A
Acetone	0.784	0.00419	0.00176	4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.00016	<0.0000699	4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	1.04	0.00556	0.00128	4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.837	0.00447	0.00152	4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.00016	<0.0000559	4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.03	0.0055	0.00448	4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0695	0.000371	0.000302	4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.957	0.00511	0.00416	4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.54	0.00823	0.00201	4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.00016	<0.0000455	4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.00016	<0.0000326	4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.00016	<0.0000326	4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.477	0.00255	0.00107	4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.00016	<0.0000326	4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.00016	<0.0000455	4/26/2009	zn	0.0300	EPA TO-11A

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

Work Order: PSD0875
Project: Countywide - Ambient Air
Project Number: 07-0082

Received: 04/15/09
Reported: 05/07/09 15:49

Analyte	Result	Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.						
Sample ID: PSD0875-24 (W041009-02A)	**Tube**		**Sample Air Volume:179.52L**			**Sampled: 04/10/09**
	ug, Total / mg/m3 / ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300 / <0.000167 / <0.0000305		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.955 / 0.00532 / 0.00295		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0923 / 0.000514 / 0.000285		4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.863 / 0.00481 / 0.00267		4/26/2009	zn	0.0300	EPA TO-11A
Acetone	0.756 / 0.00421 / 0.00177		4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300 / <0.000167 / <0.0000729		4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.603 / 0.00336 / 0.000774		4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.429 / 0.00239 / 0.00081		4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300 / <0.000167 / <0.0000583		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.589 / 0.00328 / 0.00267		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0759 / 0.000423 / 0.000344		4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.513 / 0.00286 / 0.00233		4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.719 / 0.00401 / 0.000978		4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300 / <0.000167 / <0.0000474		4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300 / <0.000167 / <0.000034		4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0866 / 0.000482 / 0.0000982		4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.204 / 0.00114 / 0.000478		4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300 / <0.000167 / <0.000034		4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300 / <0.000167 / <0.0000474		4/26/2009	zn	0.0300	EPA TO-11A
Sample ID: PSD0875-25 (W041009-03A)	**Tube**		**Sample Air Volume:183.84L**			**Sampled: 04/10/09**
	ug, Total / mg/m3 / ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300 / <0.000163 / <0.0000297		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.97 / 0.0162 / 0.00897		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0670 / 0.000364 / 0.000202		4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.90 / 0.0158 / 0.00876		4/26/2009	zn	0.0300	EPA TO-11A
Acetone	0.972 / 0.00529 / 0.00223		4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300 / <0.000163 / <0.0000712		4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.749 / 0.00407 / 0.000939		4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.694 / 0.00378 / 0.00128		4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300 / <0.000163 / <0.0000569		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.918 / 0.00499 / 0.00407		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0690 / 0.000375 / 0.000306		4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.849 / 0.00462 / 0.00376		4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.05 / 0.00571 / 0.00139		4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300 / <0.000163 / <0.0000463		4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300 / <0.000163 / <0.0000332		4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.136 / 0.00074 / 0.000151		4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.362 / 0.00197 / 0.000829		4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300 / <0.000163 / <0.0000332		4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.281 / 0.00153 / 0.000434		4/26/2009	zn	0.0300	EPA TO-11A

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Lawhon and Associates, Inc.	Work Order:	PSD0875	Received: 04/15/09
975 Eastwind Drive, Suite 190			Reported: 05/07/09 15:49
Westerville, OH 43081	Project:	Countywide - Ambient Air	
Shawn Ansbro	Project Number:	07-0082	

Analyte	Result	Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.						
Sample ID: PSD0875-26 (041009A-A)	**Tube**		**Sample Air Volume:L**			**Sampled: 04/10/09**
	ug, Total / mg/m3 / ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.140 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0589 / -- / --		4/25/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0811 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Acetone	<0.300 / -- / --		4/26/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.182 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0618 / -- / --		4/25/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.120 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0317 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300 / -- / --		4/26/2009	zn	0.0300	EPA TO-11A

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

Analyte	Result	Qual	Date Analyzed	Analyst	Rpt Limit	Method
Inorganic Acids by NIOSH 7903 (Modified)						
Sample ID: PSD0875-01 (C041009-01H)	**Tube**		**Sample Air Volume:185.76L**			**Sampled: 04/10/09**
	ug, Total / mg/m3 / ppm				ug, Total	
Hydrochloric Acid	<1.90 / <0.0102 / <0.00686		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19 / <0.0118 / <0.0144		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-02 (C041009-02H)	**Tube**		**Sample Air Volume:190.56L**			**Sampled: 04/10/09**
	ug, Total / mg/m3 / ppm				ug, Total	
Hydrochloric Acid	<1.90 / <0.00997 / <0.00669		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19 / <0.0115 / <0.014		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-03 (C041009-03H)	**Tube**		**Sample Air Volume:187.2L**			**Sampled: 04/10/09**
	ug, Total / mg/m3 / ppm				ug, Total	
Hydrochloric Acid	<1.90 / <0.0101 / <0.00681		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19 / <0.0117 / <0.0143		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-04 (G041009-01H)	**Tube**		**Sample Air Volume:152.64L**			**Sampled: 04/10/09**
	ug, Total / mg/m3 / ppm				ug, Total	
Hydrochloric Acid	<1.90 / <0.0124 / <0.00835		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19 / <0.0143 / <0.0175		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-05 (G041009-02H)	**Tube**		**Sample Air Volume:134.4L**			**Sampled: 04/10/09**
	ug, Total / mg/m3 / ppm				ug, Total	
Hydrochloric Acid	<1.90 / <0.0141 / <0.00948		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19 / <0.0163 / <0.0199		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-06 (G041009-03H)	**Tube**		**Sample Air Volume:144.48L**			**Sampled: 04/10/09**

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Westerville, OH 43081
Shawn Ansbro

Work Order: PSD0875
Project: Countywide - Ambient Air
Project Number: 07-0082

Received: 04/15/09
Reported: 05/07/09 15:49

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Inorganic Acids by NIOSH 7903 (Modified) - cont.								
Sample ID: PSD0875-06 (G041009-03H) - cont.	**Tube**		**Sample Air Volume:144.48L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	4.94	0.0342	0.0229		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrochloric Acid - Back (e)	4.94	0.0342	0.0229		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrochloric Acid - Front	<1.90	<0.0132	<0.00882		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19	<0.0152	<0.0185		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-07 (S041009-01H)	**Tube**		**Sample Air Volume:146.88L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.90	<0.0129	<0.00867		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19	<0.0149	<0.0182		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-08 (S041009-02H)	**Tube**		**Sample Air Volume:211.68L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.90	<0.00898	<0.00602		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19	<0.0103	<0.0126		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-09 (S041009-03H)	**Tube**		**Sample Air Volume:199.68L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.90	<0.00952	<0.00638		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19	<0.011	<0.0134		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-10 (W041009-01H)	**Tube**		**Sample Air Volume:169.44L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.90	<0.0112	<0.00752		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19	<0.0129	<0.0158		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-11 (W041009-02H)	**Tube**		**Sample Air Volume:176.16L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.90	<0.0108	<0.00723		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19	<0.0124	<0.0152		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-12 (W041009-03H)	**Tube**		**Sample Air Volume:164.64L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.90	<0.0115	<0.00774		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19	<0.0133	<0.0163		4/30/2009	SS	2.19	NIOSH 7903 (MOD)
Sample ID: PSD0875-13 (041009A-H (Field Blank))	**Tube**		**Sample Air Volume:L**				**Sampled: 04/10/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.90	--	--		4/30/2009	SS	1.90	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.19	--	--		4/30/2009	SS	2.19	NIOSH 7903 (MOD)

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

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Westerville, OH 43081	Project:	Countywide - Ambient Air	
Shawn Ansbro	Project Number:	07-0082	

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)						
P9D2322-BLK1						
Formaldehyde	0.1097	IH11	ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Formaldehyde - Back	0.06154	IH11	ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Acetaldehyde	0.06799	IH11	ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Acetaldehyde - Back	0.05120	IH11	ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Acrolein	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Acrolein - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Acetone	0.3172	IH11	ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Acetone - Back	<0.300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Propionaldehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Crotonaldehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Butyraldehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Benzaldehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Isovaleraldehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Valeraldehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
o-Tolualdehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
m-Tolualdehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
p-Tolualdehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Hexaldehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9D2322	P9D2322-BLK1	04-25-2009
P9D2324-BLK1						
Formaldehyde	0.09822	IH11	ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Formaldehyde - Back	0.05901	IH11	ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Acetaldehyde	0.06371	IH11	ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Acetaldehyde - Back	0.05066	IH11	ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Acrolein	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Acrolein - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009

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Shawn Ansbro	Project Number:	07-0082	

Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)						
P9D2324-BLK1						
Acetone	0.3950	IH11	ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Acetone - Back	<0.300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Propionaldehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Crotonaldehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Butyraldehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Benzaldehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Isovaleraldehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Valeraldehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
o-Tolualdehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
m-Tolualdehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
p-Tolualdehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Hexaldehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9D2324	P9D2324-BLK1	04-25-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9D3045-BLK1						
Hydrochloric Acid	<1.90		ug, Total	P9D3045	P9D3045-BLK1	04-30-2009
Hydrochloric Acid - Back	<1.90		ug, Total	P9D3045	P9D3045-BLK1	04-30-2009
Hydrofluoric Acid	<2.19		ug, Total	P9D3045	P9D3045-BLK1	04-30-2009
Hydrofluoric Acid - Back	<2.19		ug, Total	P9D3045	P9D3045-BLK1	04-30-2009

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9D2322-DUP1									
Formaldehyde	0.1820	0.1789		ug, Total	1.72	10	P9D2322	PSD0875-14	04-26-2009
Acetaldehyde	0.2040	0.2008		ug, Total	1.58	10	P9D2322	PSD0875-14	04-26-2009
Acrolein	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-14	04-26-2009
Acetone	0.3880	0.3771		ug, Total	2.85	10	P9D2322	PSD0875-14	04-26-2009
Propionaldehyde	0.04350	0.04148		ug, Total	4.75	10	P9D2322	PSD0875-14	04-26-2009

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Duplicate - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9D2322-DUP1									
Crotonaldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-14	04-26-2009
Butyraldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-14	04-26-2009
Benzaldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-14	04-26-2009
Isovaleraldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-14	04-26-2009
Valeraldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-14	04-26-2009
o-Tolualdehyde	0.03010	0.03121		ug, Total	3.62	10	P9D2322	PSD0875-14	04-26-2009
m-Tolualdehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-14	04-26-2009
p-Tolualdehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-14	04-26-2009
Hexaldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-14	04-26-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-14	04-26-2009
P9D2322-DUP2									
Formaldehyde	0.5130	0.5455		ug, Total	6.14	10	P9D2322	PSD0875-24	04-26-2009
Acetaldehyde	0.8630	0.8680		ug, Total	0.578	10	P9D2322	PSD0875-24	04-26-2009
Acrolein	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-24	04-26-2009
Acetone	0.7560	0.7621		ug, Total	0.804	10	P9D2322	PSD0875-24	04-26-2009
Propionaldehyde	0.2040	0.2067		ug, Total	1.31	10	P9D2322	PSD0875-24	04-26-2009
Crotonaldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-24	04-26-2009
Butyraldehyde	0.4290	0.4335		ug, Total	1.04	10	P9D2322	PSD0875-24	04-26-2009
Benzaldehyde	0.6030	0.6096		ug, Total	1.09	10	P9D2322	PSD0875-24	04-26-2009
Isovaleraldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-24	04-26-2009
Valeraldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-24	04-26-2009
o-Tolualdehyde	0.08660	0.09007		ug, Total	3.93	10	P9D2322	PSD0875-24	04-26-2009
m-Tolualdehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-24	04-26-2009
p-Tolualdehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-24	04-26-2009
Hexaldehyde	0.7190	0.7265		ug, Total	1.04	10	P9D2322	PSD0875-24	04-26-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300		ug, Total		10	P9D2322	PSD0875-24	04-26-2009
P9D2324-DUP1									
Formaldehyde	2.090	2.110		ug, Total	0.952	10	P9D2324	PSD1157-14	04-26-2009
Acetaldehyde	6.280	6.312	RL7	ug, Total	0.508	10	P9D2324	PSD1157-14	05-04-2009
Acrolein	ND	<0.0300		ug, Total		10	P9D2324	PSD1157-14	04-26-2009
Acetone	2.260	2.279		ug, Total	0.837	10	P9D2324	PSD1157-14	04-26-2009
Propionaldehyde	0.8650	0.8727		ug, Total	0.886	10	P9D2324	PSD1157-14	04-26-2009
Crotonaldehyde	ND	<0.0300		ug, Total		10	P9D2324	PSD1157-14	04-26-2009
Butyraldehyde	2.100	2.124		ug, Total	1.14	10	P9D2324	PSD1157-14	04-26-2009
Benzaldehyde	0.6900	0.7078		ug, Total	2.55	10	P9D2324	PSD1157-14	04-26-2009
Isovaleraldehyde	ND	<0.0300		ug, Total		10	P9D2324	PSD1157-14	04-26-2009
Valeraldehyde	0.6590	0.6695		ug, Total	1.58	10	P9D2324	PSD1157-14	04-26-2009
o-Tolualdehyde	0.1900	0.1924		ug, Total	1.26	10	P9D2324	PSD1157-14	04-26-2009
m-Tolualdehyde	ND	<0.0300		ug, Total		10	P9D2324	PSD1157-14	04-26-2009
p-Tolualdehyde	ND	<0.0300		ug, Total		10	P9D2324	PSD1157-14	04-26-2009
Hexaldehyde	2.220	2.244		ug, Total	1.08	10	P9D2324	PSD1157-14	04-26-2009

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Duplicate - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9D2324-DUP1									
2,5-Dimethyl Benzaldehyde	ND	<0.0300		ug, Total		10	P9D2324	PSD1157-14	04-26-2009

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9D2322-BS1								
Formaldehyde	0.45	0.5546		ug, Total	123%	22-134	P9D2322	04-25-2009
Acetaldehyde	0.45	0.5182		ug, Total	115%	51-142	P9D2322	04-25-2009
Acrolein	0.45	0.2252	L2	ug, Total	50%	75-125	P9D2322	04-25-2009
Acetone	0.45	0.7044	N1	ug, Total	157%	75-125	P9D2322	04-25-2009
Propionaldehyde	0.45	0.7416	L1	ug, Total	165%	67-145	P9D2322	04-25-2009
Crotonaldehyde	0.45	0.3754		ug, Total	83%	66-146	P9D2322	04-25-2009
Butyraldehyde	0.45	0.5016		ug, Total	111%	56-141	P9D2322	04-25-2009
Benzaldehyde	0.45	0.4709		ug, Total	105%	57-142	P9D2322	04-25-2009
Isovaleraldehyde	0.45	0.4704		ug, Total	105%	66-144	P9D2322	04-25-2009
Valeraldehyde	0.45	0.4930		ug, Total	110%	66-144	P9D2322	04-25-2009
o-Tolualdehyde	0.45	0.4921		ug, Total	109%	39-130	P9D2322	04-25-2009
m-Tolualdehyde	0.45	0.4659		ug, Total	104%	73-143	P9D2322	04-25-2009
p-Tolualdehyde	0.45	0.4616		ug, Total	103%	66-147	P9D2322	04-25-2009
Hexaldehyde	0.45	0.4907		ug, Total	109%	65-145	P9D2322	04-25-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4671		ug, Total	104%	75-144	P9D2322	04-25-2009
P9D2324-BS1								
Formaldehyde	0.45	0.5163		ug, Total	115%	22-134	P9D2324	04-25-2009
Acetaldehyde	0.45	0.4838		ug, Total	108%	51-142	P9D2324	04-25-2009
Acrolein	0.45	0.3012	L2	ug, Total	67%	75-125	P9D2324	04-25-2009
Acetone	0.45	0.6389	N1	ug, Total	142%	75-125	P9D2324	04-25-2009
Propionaldehyde	0.45	0.5730		ug, Total	127%	67-145	P9D2324	04-25-2009
Crotonaldehyde	0.45	0.4064		ug, Total	90%	66-146	P9D2324	04-25-2009
Butyraldehyde	0.45	0.4794		ug, Total	107%	56-141	P9D2324	04-25-2009
Benzaldehyde	0.45	0.4488		ug, Total	100%	57-142	P9D2324	04-25-2009
Isovaleraldehyde	0.45	0.4421		ug, Total	98%	66-144	P9D2324	04-25-2009
Valeraldehyde	0.45	0.4591		ug, Total	102%	66-144	P9D2324	04-25-2009
o-Tolualdehyde	0.45	0.4576		ug, Total	102%	39-130	P9D2324	04-25-2009
m-Tolualdehyde	0.45	0.4392		ug, Total	98%	73-143	P9D2324	04-25-2009
p-Tolualdehyde	0.45	0.4307		ug, Total	96%	66-147	P9D2324	04-25-2009
Hexaldehyde	0.45	0.4626		ug, Total	103%	65-145	P9D2324	04-25-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4370		ug, Total	97%	75-144	P9D2324	04-25-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9D3045-BS1								
Hydrochloric Acid	10.3	10.30		ug, Total	100%	70-130	P9D3045	04-30-2009
Hydrofluoric Acid	10.6	11.44		ug, Total	108%	70-130	P9D3045	04-30-2009

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LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)								

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)												
P9D2322-BSD1												
Formaldehyde		0.5437		ug, Total	0.45	121%	22-134	1.98	20	P9D2322		04-25-2009
Acetaldehyde		0.5085		ug, Total	0.45	113%	51-142	1.89	20	P9D2322		04-25-2009
Acrolein		0.2136	L2	ug, Total	0.45	48%	75-125	5.29	20	P9D2322		04-25-2009
Acetone		0.7584	N1	ug, Total	0.45	169%	75-125	7.38	20	P9D2322		04-25-2009
Propionaldehyde		0.7409	L1	ug, Total	0.45	165%	67-145	0.0944	20	P9D2322		04-25-2009
Crotonaldehyde		0.3623		ug, Total	0.45	81%	66-146	3.55	20	P9D2322		04-25-2009
Butyraldehyde		0.4983		ug, Total	0.45	111%	56-141	0.66	20	P9D2322		04-25-2009
Benzaldehyde		0.4515		ug, Total	0.45	100%	57-142	4.21	20	P9D2322		04-25-2009
Isovaleraldehyde		0.4647		ug, Total	0.45	103%	66-144	1.22	20	P9D2322		04-25-2009
Valeraldehyde		0.4851		ug, Total	0.45	108%	66-144	1.62	20	P9D2322		04-25-2009
o-Tolualdehyde		0.4852		ug, Total	0.45	108%	39-130	1.41	20	P9D2322		04-25-2009
m-Tolualdehyde		0.4578		ug, Total	0.45	102%	73-143	1.75	20	P9D2322		04-25-2009
p-Tolualdehyde		0.4517		ug, Total	0.45	100%	66-147	2.17	20	P9D2322		04-25-2009
Hexaldehyde		0.4879		ug, Total	0.45	108%	65-145	0.572	20	P9D2322		04-25-2009
2,5-Dimethyl Benzaldehyde		0.4622		ug, Total	0.45	103%	75-144	1.05	20	P9D2322		04-25-2009
P9D2324-BSD1												
Formaldehyde		0.5491		ug, Total	0.45	122%	22-134	6.16	20	P9D2324		04-25-2009
Acetaldehyde		0.5082		ug, Total	0.45	113%	51-142	4.92	20	P9D2324		04-25-2009
Acrolein		0.3035	L2	ug, Total	0.45	67%	75-125	0.761	20	P9D2324		04-25-2009
Acetone		0.7728	N1	ug, Total	0.45	172%	75-125	19	20	P9D2324		04-25-2009
Propionaldehyde		0.6118		ug, Total	0.45	136%	67-145	6.55	20	P9D2324		04-25-2009
Crotonaldehyde		0.4167		ug, Total	0.45	93%	66-146	2.5	20	P9D2324		04-25-2009
Butyraldehyde		0.5010		ug, Total	0.45	111%	56-141	4.41	20	P9D2324		04-25-2009
Benzaldehyde		0.4566		ug, Total	0.45	101%	57-142	1.72	20	P9D2324		04-25-2009
Isovaleraldehyde		0.4607		ug, Total	0.45	102%	66-144	4.12	20	P9D2324		04-25-2009
Valeraldehyde		0.4813		ug, Total	0.45	107%	66-144	4.72	20	P9D2324		04-25-2009
o-Tolualdehyde		0.4784		ug, Total	0.45	106%	39-130	4.44	20	P9D2324		04-25-2009
m-Tolualdehyde		0.4551		ug, Total	0.45	101%	73-143	3.56	20	P9D2324		04-25-2009
p-Tolualdehyde		0.4478		ug, Total	0.45	100%	66-147	3.89	20	P9D2324		04-25-2009
Hexaldehyde		0.4820		ug, Total	0.45	107%	65-145	4.11	20	P9D2324		04-25-2009
2,5-Dimethyl Benzaldehyde		0.4563		ug, Total	0.45	101%	75-144	4.32	20	P9D2324		04-25-2009
Inorganic Acids by NIOSH 7903 (Modified)												
P9D3045-BSD1												
Hydrochloric Acid		9.775		ug, Total	10.3	95%	70-130	5.23	30	P9D3045		04-30-2009
Hydrofluoric Acid		10.53		ug, Total	10.6	99%	70-130	8.28	30	P9D3045		04-30-2009

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc.	Work Order:	PSD0875	Received: 04/15/09
975 Eastwind Drive, Suite 190			Reported: 05/07/09 15:49
Westerville, OH 43081	Project:	Countywide - Ambient Air	
Shawn Ansbro	Project Number:	07-0082	

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 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6001, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7600, NIOSH 7903, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, 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: Project: Project Number:	PSD0875 Countywide - Ambient Air 07-0082	Received: Reported:	04/15/09 05/07/09 15:49

DATA QUALIFIERS AND DEFINITIONS

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.
N1	See case narrative.
RL7	Sample required dilution due to high concentration of target analyte.

ADDITIONAL COMMENTS

LAWHON & associates inc.

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

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Fax: (216) 781-0709

Nº 8426

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VIA: Fed Ex
Air Bill No.: 8592 3781 2333
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro
Project No: 07-0082
Project Name: County wide
Sampler (print): Rick Jones
Signature:

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:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements / Analysis: HF	Method: HCL	NIOSH 7903	Expected Conc. (H,M,L)	Hold	Remarks: Flow Rate
C041009-01H				4/10/09	480	Cell Tower	1	X	X	X	PSD0875	-1	0.387 l/min
C041009-02H				4/10/09	480	Cell Tower	1	X	X	X		-2	0.397 "
C041009-03H				4/10/09	480	Cell Tower	1	X	X	X		-3	0.390 "
G041009-01H				4/10/09	480	Campground	1	X	X	X		-4	0.318 l/min
G041009-02H				4/10/09	480	Campground	1	X	X	X		-5	0.280 "
G041009-03H				4/10/09	480	Campground	1	X	X	X		-6	0.301 "
S041009-01H				4/10/09	480	School	1	X	X	X		-7	0.306 l/min
S041009-02H				4/10/09	480	School	1	X	X	X		-8	0.441 "
S041009-03H				4/10/09	480	School	1	X	X	X		-9	0.416 "
W041009-01H				4/10/09	480	Wetland	1	X	X	X		-10	0.353 l/min
W041009-02H				4/10/09	480	Wetland	1	X	X	X		-11	0.367 "
W041009-03H				4/10/09	480	Wetland	1	X	X	X		-12	0.343 "
041009A-H													
[illegible]				4/10/09		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]	4/14/09 1500						
[signature]	4/14/09 0300			[signature]		[signature]	4/15/09 1030

Comments:

8.4°C

Distributor: White - File; Yellow - Lab

LAWHON & associates Inc.

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

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Fax: (216) 737-0109

No 8427

Sent To: TestAmerica - Phoenix (Lab Name)
VIA: Fed Ex
Air Bill No.: 8592 3781 2333
Page 2 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansboro
Project No: 07-0082
Project Name: County wide
Sampler (print): Rick Jones
Signature:

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:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements / Analysis / Method: Aldehyde TO11	Ketone TO11	Carboxyl TO11	Expected Conc. (H,M,L)	Hold	Remarks: Flow Rate l/min
C041009-01A				4/10/09	480	Cell Tower	1	X	X	X	PSD0875-14		0.402 l/min
C041009-02A				4/10/09	480	Cell Tower	1	X	X	X	-15		0.340 "
C041009-03A				4/10/09	480	Cell Tower	1	X	X	X	-16		0.415 "
											-1		
G041009-01A				4/10/09	480	Campground	1	X	X	X	-17		0.262 l/min
G041009-02A				4/10/09	480	Campground	1	X	X	X	-18		0.198 "
G041009-03A				4/10/09	480	Campground	1	X	X	X	-19		0.281 "
S041009-01A				4/10/09	480	School	1	X	X	X	-20		0.247 l/min
S041009-02A				4/10/09	480	School	1	X	X	X	-21		0.440 "
S041009-03A				4/10/09	480	School	1	X	X	X	-22		0.449 "
								/					
W041009-01A				4/10/09	480	Wetland	1	X	X	X	-23		0.390 l/min
W041009-02A				4/10/09	480	Wetland	1	X	X	X	-24		0.374 "
W041009-03A				4/10/09	480	Wetland	1	X	X	X	-25		0.383 "
041009A-A				4/10/09		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
	4/14/09 1500						
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	4/14/09 0300			FedEx			4/15/09 1030

Comments:

8.4 oc

Distributor: White - File; Yellow - Lab