Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #22

March 20, 2009

APPENDIX A. Laboratory Analytical Results from Event #102:
Sampling conducted Thursday January 22 to Friday January 23, 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 #: H9A290212

Shawn Ansbro

Lawhon and Associates
975 Eastwind Drive
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Westerville, OH 43081

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

February 4, 2009

ANALYTICAL METHODS SUMMARY

H9A290212

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

H9A290212

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K6FMV	001	SU-IBD012309	01/23/09	
K6FM8	005	SU-IBC012609	01/26/09	
K6FNA	006	SU-IBG012609	01/26/09	
K6FNF	007	SU-IBS012609	01/26/09	
K6FNH	008	SU-IBW012609	01/26/09	
K6FNK	009	SU-IBD012609	01/26/09	
K6FNN	010	SU-C012209	01/22/09	
K6FNP	011	SU-GO12209	01/22/09	
K6FNV	012	SU-SO12209	01/22/09	
K6FNX	013	SU-WO12209	01/22/09	
K6FN0	014	SU-COW012209	01/22/09	

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
H9A290212

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.

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-C012209

GC/MS Volatiles

Lot-Sample # H9A290212 - 010 **Work Order #** K6FNN1AA **Matrix.....:** AIR

Date Sampled...: 01/22/2009 **Date Received..:** 01/29/2009
Prep Date.....: 01/30/2009 **Analysis Date...** 01/30/2009
Prep Batch #.....: 9033077
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**4.6**	**5.0**	**11**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.073**	**0.50**	**0.30**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.13**	**0.50**	**0.47**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.061**	**2.0**	**0.18**	**J**	**6.1**
Methylene chloride	**0.24**	**0.50**	**0.83**	**J B**	**1.7**
Benzene	**0.24**	**0.20**	**0.77**		**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	**0.067**	**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)	**0.58**	**1.0**	**1.7**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.090**	**0.20**	**0.57**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C012209

GC/MS Volatiles

Lot-Sample # H9A290212 - 010 **Work Order #** K6FNN1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.038**	**0.20**	**0.18**	**J**	**0.98**
Chloromethane	**0.63**	**0.50**	**1.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	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	**0.51**	**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
Propane	2.8	ppb(v/v)

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-GO12209

GC/MS Volatiles

Lot-Sample # H9A290212 - 011 **Work Order #** K6FNP1AA **Matrix.....:** AIR

Date Sampled...: 01/22/2009 **Date Received..:** 01/29/2009
Prep Date.....: 01/30/2009 **Analysis Date...** 01/30/2009
Prep Batch #.....: 9033077
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**3.7**	**5.0**	**8.8**	**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	**0.14**	**0.50**	**0.49**	**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	**0.64**	**0.50**	**2.2**	**B**	**1.7**
Benzene	**0.44**	**0.20**	**1.4**		**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	**0.18**	**0.20**	**0.67**	**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	**0.069**	**0.20**	**0.53**	**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)	**0.46**	**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	**0.18**	**0.20**	**0.72**	**J**	**0.78**
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.057**	**0.50**	**0.18**	**J**	**1.6**
Carbon tetrachloride	**0.092**	**0.20**	**0.58**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-GO12209

GC/MS Volatiles

Lot-Sample # H9A290212 - 011 **Work Order #** K6FNP1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	**0.15**	**0.20**	**0.67**	**J**	**0.92**
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.040**	**0.20**	**0.20**	**J**	**0.98**
Chloromethane	**0.76**	**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
Propane	3.6	ppb(v/v)

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: SU-SO12209

GC/MS Volatiles

Lot-Sample # H9A290212 - 012 **Work Order #** K6FNV1AA **Matrix.....:** AIR

Date Sampled...: 01/22/2009 **Date Received..:** 01/29/2009
Prep Date.....: 01/30/2009 **Analysis Date...** 01/30/2009
Prep Batch #.....: 9033077
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**4.5**	**5.0**	**11**	**J**	**12**
Ethylbenzene	**0.13**	**0.20**	**0.56**	**J**	**0.87**
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.19**	**0.50**	**0.78**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.31**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.13**	**0.50**	**0.59**	**J**	**2.3**
tert-Butyl alcohol	**0.058**	**2.0**	**0.18**	**J**	**6.1**
Methylene chloride	**0.42**	**0.50**	**1.4**	**J B**	**1.7**
Benzene	**0.59**	**0.20**	**1.9**		**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	**0.66**	**0.20**	**2.5**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.068**	**0.20**	**0.52**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.29**	**0.20**	**1.4**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.16**	**0.20**	**0.68**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.41**	**0.20**	**1.8**		**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**	**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	**0.035**	**0.50**	**0.11**	**J**	**1.6**
Carbon tetrachloride	**0.085**	**0.20**	**0.53**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-SO12209

GC/MS Volatiles

Lot-Sample # H9A290212 - 012 **Work Order #** K6FNV1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.63**	**0.50**	**1.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.049**	**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	**0.51**	**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
Butane	3.3	ppb(v/v)
Propane	3.9	ppb(v/v)

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: SU-WO12209

GC/MS Volatiles

Lot-Sample # H9A290212 - 013 **Work Order #** K6FNX1AA **Matrix.....:** AIR

Date Sampled...: 01/22/2009 **Date Received..:** 01/29/2009
Prep Date.....: 01/30/2009 **Analysis Date...** 01/30/2009
Prep Batch #.....: 9033077
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**9.2**	**5.0**	**22**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.23**	**0.50**	**0.94**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.42**	**0.50**	**1.5**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.043**	**0.50**	**0.20**	**J**	**2.3**
tert-Butyl alcohol	**0.19**	**2.0**	**0.57**	**J**	**6.1**
Methylene chloride	**0.32**	**0.50**	**1.1**	**J B**	**1.7**
Benzene	**0.35**	**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	**0.063**	**1.0**	**0.19**	**J**	**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	**0.069**	**0.20**	**0.53**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.099**	**0.20**	**0.49**	**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	**0.12**	**0.20**	**0.54**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.93**	**1.0**	**2.7**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.050**	**0.50**	**0.20**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.092**	**0.20**	**0.58**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-WO12209

GC/MS Volatiles

Lot-Sample # H9A290212 - 013 **Work Order #** K6FNX1AA **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	**0.92**	**0.50**	**1.9**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.10**	**0.50**	**0.35**	**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	**0.52**	**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
Acetaldehyde	3.0	ppb(v/v)
Butane	6.5	ppb(v/v)
Butane, 2-methyl-	2.8	ppb(v/v)
Isobutane	4.6	ppb(v/v)
Pentane	2.4	ppb(v/v)
Propane	12	ppb(v/v)

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-COW012209

GC/MS Volatiles

Lot-Sample # H9A290212 - 014 **Work Order #** K6FN01AA **Matrix.....:** AIR

Date Sampled...: 01/22/2009 **Date Received..:** 01/29/2009
Prep Date.....: 01/30/2009 **Analysis Date...** 01/30/2009
Prep Batch #.....: 9033077
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	**4.8**	**5.0**	**11**	**J**	**12**
Ethylbenzene	**0.075**	**0.20**	**0.33**	**J**	**0.87**
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.19**	**0.50**	**0.77**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.45**	**0.50**	**1.6**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.048**	**0.50**	**0.22**	**J**	**2.3**
tert-Butyl alcohol	**0.052**	**2.0**	**0.16**	**J**	**6.1**
Methylene chloride	**0.43**	**0.50**	**1.5**	**J B**	**1.7**
Benzene	**0.34**	**0.20**	**1.1**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.45**	**0.20**	**1.7**		**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	**0.070**	**0.20**	**0.54**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.19**	**0.20**	**0.92**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.11**	**0.20**	**0.47**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.28**	**0.20**	**1.2**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.51**	**1.0**	**1.5**	**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	**0.070**	**0.40**	**0.35**	**J**	**2.0**
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.092**	**0.20**	**0.58**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COW012209

GC/MS Volatiles

Lot-Sample # H9A290212 - 014 **Work Order #** K6FN01AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.038**	**0.20**	**0.19**	**J**	**0.98**
Chloromethane	**0.83**	**0.50**	**1.7**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.088**	**0.50**	**0.30**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.52**	**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
Butane	6.6	ppb(v/v)
Butane, 2-methyl-	3.0	ppb(v/v)
Decane, 2,5,6-trimethyl-	2.9	ppb(v/v)
Eicosane	3.9	ppb(v/v)
Heptane, 2,2-dimethyl-	3.0	ppb(v/v)
Isobutane	4.8	ppb(v/v)
Pentane	2.4	ppb(v/v)
Propane	13	ppb(v/v)
Undecane, 2,8-dimethyl-	1.4	ppb(v/v)

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.

Lawhon & Associates, Inc.

Client Sample ID: SU-COW012209

GC/MS Volatiles

Lot-Sample # H9A290212 - 014 **Work Order #** K6FN01AA **Matrix.....:** AIR

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 # H9B020000 - 077B **Work Order #** K6J511AA **Matrix.....:** AIR

	01/26/2009	**Date Received..:**	01/27/2009
Prep Date.....:	01/30/2009	**Analysis Date...**	01/30/2009
Prep Batch #.....:	9033077		
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	**0.056**	**0.50**	**0.19**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9B020000 - 077B **Work Order #** K6J511AA **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

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 # H9B020000 - 077C **Work Order #** K6J511AC **Matrix.....:** AIR

	01/26/2009	**Date Received..:**	01/27/2009
Prep Date.....:	01/30/2009	**Analysis Date...**	01/30/2009
Prep Batch #.....:	9033077		
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	2.65	8.0	8.5	106	70 - 130
Toluene	2.50	2.18	9.4	8.2	87	70 - 130
Trichloroethene	2.50	2.71	13	15	108	70 - 130
Chlorobenzene	2.50	2.22	12	10	89	70 - 130
1,1-Dichloroethene	2.50	2.68	9.9	11	107	70 - 130

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

179A 291212

№ 8379

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8686 9342 2556
Page 2 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Tony Noxon

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis	Expected Conc. (H,M,L)	Hold	Remarks:
SU-IBD012309				1/23/09	538	DW ~ 300' construction zone	1		TO15	VOC TIC			Summa Can # 12578 x3

REC. AT AMBIENT
CUSTODY SEALS INTACT
2 BOXES RH 1/29/09
FED EX # 8686 9342 2556
9683 0128 3645

12 CANS / FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	1/27/09 1500	Ryan Henry	1/29/09 0925				
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

30

H9A290212

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: Tony Noxon	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: Countywide	Analysis Turnaround Time		
Site/location: Iso-Brek DW	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	Other (Please Specify in notes section) T1C	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-IBD012309	1/23/09	0739	1637	-28.0"	-3.0"	K140	12576	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: 1/27/09 1500	Canisters Received by:
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

☒ 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

~~2116 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0100~~
~~Fax: (216) 737-0109~~

179A290212

№ 8378

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8686 9342 2556
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): Tony Noxon and Nick Iannaggi

Signature: [illegible]

Sample I.D. No.	Type	Type	Type	Date	Time min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis	VOC	TIC	BTEX	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
* SU-IBC012609				1/26/09	475	Cell Tower -	1						X			7481
* SU-IBG012609				1/26/09	476	Campground -	1						X			6684
* SU-IBS012609				1/26/09	479	School -	1						X			6615
* SU-IBW012609				1/26/09	472	Wetland -	1						X			3277
SU-IBD012609				1/26/09	536	Downwind ~300' from zone	1			X	X					6349

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[illegible]	1/27/09 1500	Ryan Henry	1/29/09 0925				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Comments:
* Analyze for BTEX only

Distributor: White - File; Yellow - Lab

H9A290212

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			
Company: Lawhon & Associate, Inc.	Project Manager: Shawn Ansbro	Sampled By: Nick Iannaggi and Tony Noxon	2 of 2 COCs
Address: 975 Eastwind Drive, Suite 190	Phone:		
City/State/Zip Westerville, Ohio	Site Contact:		
Phone: (614) 818-5200	TAL Contact: Jamie McKinney		
FAX: (614) 818-5219			
Project Name: Countywide	Analysis Turnaround Time		
Site/location: TSO-BREAK	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	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-IBC012609 *	1/26/09	0755	1550	-27.5	-1.5	K171	7481												
SV-IBG012609 *	1/26/09	0824	1620	-27.5	-4.0	K155	6684												
SV-IBS012609 *	1/26/09	0806	1605	-27.5	-4.0	K096	6615												
SV-IBW012609 *	1/26/09	0834	1626	-27.0	-3.0	K262	3277												
SV-IBD012609	1/26/09	0745	1641	-28.0	0	K299	6349	X					X						

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

Special Instructions/QC Requirements & Comments:

* Analyze for BTEX only

Canisters Shipped by:	Date/Time: 1/27/09 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 1/27/09 1500	Received by:
Relinquished by:	Date/Time:	Received by:

☑ 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

~~2117 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0100~~
~~Fax: (216) 737-0109~~

179A290212

№ 8401

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8683 0128 3645
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 MIA	Sample Location	Number of Containers	Turn Around/Requirements	Analysis Method VOC To 15	TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C012209				1/22/09	1440	Cell Tower	1		X	X			6348
SU-G012209				1/22/09	1440	Campground	1		X	X			1119
SU-S012209				1/22/09	1440	School	1		X	X			02646
SU-W012209				1/22/09	1440	Wetland	1		X	X			3275
SU-COW012209				1/22/09	1440	Co-located Wetland	1		X	X			7511

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	1-23-09 1600						
[signature]	1/27 1500	Ryan Henry	1/29/09 0925				

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.

H9A290212

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: Lawhon & Associates, Inc.
Address: 975 Eastwind Drive, Suite 190
City/State/Zip Westerville, Ohio 43081
Phone: (614) 818-5200
FAX: (614) 818-5219
Project Name: Countywide
Site/location: Community
PO # 07-00821

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

Sampled By: Rick Jones

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section) TIC	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C 01 22 09	1/22/09	1500	1500	-29.0 "Hg	-7.5 "Hg	K396	6348	X					X						
SU-G 01 22 09	↓	↓	↓	-29.0 "Hg	-3.0 "Hg	K324	1119	X					X						
SU-S 01 22 09				-29.0 "Hg	0 "Hg	K392	02646	X					X						
SU-W 01 22 09				-29.0 "Hg	-1.5 "Hg	K294	3275	X					X						
SU-COW 01 22 09				-29.0 "Hg	-3.5 "Hg	K468	7511	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 #11287 did not use.

Canisters Shipped by:	Date/Time: 1-27-09 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 1-23-09 1600	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** 49A290212

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 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: 1/29/09

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: 02/11/09
Job Number: E09-00894
Date Received: 01/28/09
Date Analyzed: 02/04/09

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

Sample Name:	C012209-01A		C012209-02A		C012209-03A		Reporting
IAL ID:	E09-00894-14		E09-00894-15		E09-00894-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.5	0.70	4.4	2.4	13	0.1
Acetaldehyde	< 0.1	< 0.5	0.62	3.9	1.5	8.2	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Propionaldehyde	< 0.1	< 0.5	0.15	1.0	0.32	1.7	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Butyraldehyde	< 0.1	< 0.5	0.34	2.1	0.72	3.8	0.1
Benzaldehyde	< 0.1	< 0.5	0.14	0.86	0.38	2.0	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 4	< 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	< 0.6	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.5	0.28	1.8	0.60	3.2	0.1

Sample Name:	G012209-01A		G012209-02A		G012209-03A		Reporting
IAL ID:	E09-00894-17		E09-00894-18		E09-00894-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.78	4.4	0.58	3.1	1.1	5.9	0.1
Acetaldehyde	1.1	6.2	0.68	3.6	1.9	10	0.1
Acetone	< 0.1	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Propionaldehyde	0.18	1.0	0.11	0.59	0.22	1.2	0.1
Crotonaldehyde	< 0.1	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	0.24	1.4	0.12	0.62	0.26	1.4	0.1

Benzaldehyde	0.46	2.6	0.38	2.0	0.52	2.8	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	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	0.50	2.8	< 0.1	< 0.5	0.54	2.9	0.1

Lawhon & Associates, Inc. Job Number: E09-00894
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S012209-01A		S012209-02A		S012209-03A		Reporting
IAL ID:	E09-00894-20		E09-00894-21		E09-00894-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.86	7.1	0.64	3.3	2.0	9.8	0.1
Acetaldehyde	0.98	8.1	0.94	4.8	1.4	6.8	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	0.18	1.5	0.14	0.74	0.26	1.3	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	0.42	3.5	0.17	0.85	0.54	2.6	0.1
Benzaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	0.26	1.3	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 1	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	0.52	2.5	0.1

Sample Name:	W012209-01A		W012209-02A		W012209-03A		Reporting
IAL ID:	E09-00894-23		E09-00894-24		E09-00894-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.82	4.8	0.30	1.8	1.6	11	0.1
Acetaldehyde	0.84	4.9	0.46	2.7	1.2	8.0	0.1
Acetone	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Acrolein	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1

Propionaldehyde	0.26	1.5	< 0.1	< 0.6	0.20	1.4	0.1
Crotonaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Butyraldehyde	0.40	2.3	< 0.1	< 0.6	0.48	3.3	0.1
Benzaldehyde	0.13	0.75	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Isovaleraldehyde	< 0.6	< 4	< 0.6	< 4	< 0.6	< 4	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	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Hexaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	0.36	2.4	0.1

Lawhon & Associates, Inc. Job Number: E09-00894
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	012209A-A		Reporting
IAL ID:	E09-00894-26		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

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: 02/12/09
Job Number: E09-00894
Date Received: 01/28/09
Date Analyzed: 02/12/09

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
C012209-01H	E09-00894-01	< 0.6	< 4	< 0.4	< 2
C012209-02H	E09-00894-02	< 0.6	< 4	< 0.4	< 2
C012209-03H	E09-00894-03	< 0.6	< 4	< 0.4	< 2
G012209-01H	E09-00894-04	< 0.6	< 4	< 0.4	< 2
G012209-02H	E09-00894-05	< 0.6	< 4	0.57	3.4
G012209-03H	E09-00894-06	< 0.6	< 3	< 0.4	< 2
S012209-01H	E09-00894-07	< 0.6	< 4	< 0.4	< 3
S012209-02H	E09-00894-08	< 0.6	< 3	< 0.4	< 2
S012209-03H	E09-00894-09	< 0.6	< 4	< 0.4	< 2
W012209-01H	E09-00894-10	< 0.6	< 4	< 0.4	< 2
W012209-02H	E09-00894-11	< 0.6	< 4	< 0.4	< 3
W012209-03H	E09-00894-12	< 0.6	< 4	< 0.4	< 3
012209A-H	E09-00894-13	< 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 #22

March 20, 2009

APPENDIX B. Laboratory Analytical Results from Event #103:
Sampling conducted Wednesday January 28 to Thursday January 29, 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 #: H9B020122

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

February 12, 2009

ANALYTICAL METHODS SUMMARY

H9B020122

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

H9B020122

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K6KEX	001	SU-C012809	01/28/09	
K6KE3	002	SU-G012809	01/28/09	
K6KE4	003	SU-S012809	01/28/09	
K6KE5	004	SU-W012809	01/28/09	
K6KE9	005	SU-COC012809	01/28/09	

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
H9B020122

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.

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-C012809

GC/MS Volatiles

Lot-Sample # H9B020122 - 001 Work Order # K6KEX1AA Matrix.....: AIR

Date Sampled...: 01/28/2009 Date Received..: 02/02/2009
Prep Date.....: 02/06/2009 Analysis Date... 02/06/2009
Prep Batch #.....: 9040079
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	**0.17**	**0.20**	**0.98**	**J**	**1.1**
n-Heptane	**0.056**	**0.50**	**0.23**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.12**	**0.50**	**0.42**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.061**	**2.0**	**0.19**	**J**	**6.1**
Methylene chloride	**0.18**	**0.50**	**0.64**	**J B**	**1.7**
Benzene	**0.25**	**0.20**	**0.81**		**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	**0.32**	**0.20**	**1.2**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.064**	**0.20**	**0.49**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.12**	**0.20**	**0.61**	**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	**0.15**	**0.20**	**0.64**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.55**	**1.0**	**1.6**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.078**	**0.40**	**0.39**	**J**	**2.0**
Carbon disulfide	**0.038**	**0.50**	**0.12**	**J**	**1.6**
Carbon tetrachloride	**0.062**	**0.20**	**0.39**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C012809

GC/MS Volatiles

Lot-Sample # H9B020122 - 001 Work Order # K6KEX1AA 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	**0.49**	**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	**0.39**	**0.20**	**2.0**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

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-G012809

GC/MS Volatiles

Lot-Sample #	H9B020122 - 002	Work Order #	K6KE31AA	Matrix.....:	AIR

Date Sampled...:	01/28/2009	Date Received..:	02/02/2009
Prep Date.....:	02/06/2009	Analysis Date...	02/06/2009
Prep Batch #.....:	9040079		
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**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.18**	**0.20**	**0.99**	**J**	**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	**0.23**	**0.50**	**0.80**	**J B**	**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	**0.059**	**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	**0.044**	**0.20**	**0.34**	**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)	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	**0.034**	**0.50**	**0.11**	**J**	**1.6**

Lawhon & Associates, Inc.

Client Sample ID: SU-G012809

GC/MS Volatiles

Lot-Sample # H9B020122 - 002 Work Order # K6KE31AA 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	**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	**0.40**	**0.20**	**2.0**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

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-S012809

GC/MS Volatiles

Lot-Sample # H9B020122 - 003 Work Order # K6KE41AA Matrix.....: AIR

Date Sampled...: 01/28/2009 Date Received..: 02/02/2009
Prep Date.....: 02/06/2009 Analysis Date... 02/06/2009
Prep Batch #.....: 9040079
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	5.6	5.0	13		12
Ethylbenzene	0.084	0.20	0.37	J	0.87
Trichlorofluoromethane	0.19	0.20	1.1	J	1.1
n-Heptane	0.079	0.50	0.32	J	2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.11	0.50	0.39	J	1.8
2,2,4-Trimethylpentane	0.042	0.50	0.20	J	2.3
tert-Butyl alcohol	0.061	2.0	0.18	J	6.1
Methylene chloride	0.16	0.50	0.56	J B	1.7
Benzene	0.26	0.20	0.84		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	0.070	0.20	0.53	J	1.5
1,2,4-Trimethylbenzene	0.26	0.20	1.3		0.98
1,3,5-Trimethylbenzene	0.075	0.20	0.37	J	0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.095	0.20	0.41	J	0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	0.26	0.20	1.1		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	0.76	1.0	2.2	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	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	0.11	0.40	0.55	J	2.0
Carbon disulfide	0.036	0.50	0.11	J	1.6
Carbon tetrachloride	0.070	0.20	0.44	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-S012809

GC/MS Volatiles

Lot-Sample # H9B020122 - 003 **Work Order #** K6KE41AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.039**	**0.20**	**0.19**	**J**	**0.98**
Chloromethane	**0.51**	**0.50**	**1.0**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.40**	**0.20**	**2.0**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

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-W012809

GC/MS Volatiles

Lot-Sample #	H9B020122 - 004	Work Order #	K6KE51AA	Matrix.....:	AIR

Date Sampled...:	01/28/2009	Date Received..:	02/02/2009
Prep Date.....:	02/06/2009	Analysis Date...	02/06/2009
Prep Batch #.....:	9040079		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**5.9**	**5.0**	**14**		**12**
Ethylbenzene	**0.080**	**0.20**	**0.35**	**J**	**0.87**
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.084**	**0.50**	**0.34**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.12**	**0.50**	**0.44**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.040**	**0.50**	**0.19**	**J**	**2.3**
tert-Butyl alcohol	**0.094**	**2.0**	**0.29**	**J**	**6.1**
Methylene chloride	**0.17**	**0.50**	**0.58**	**J B**	**1.7**
Benzene	**0.37**	**0.20**	**1.2**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.36**	**0.20**	**1.3**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.079**	**0.20**	**0.61**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.16**	**0.20**	**0.80**	**J**	**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	**0.17**	**0.20**	**0.72**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.91**	**1.0**	**2.7**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.082**	**0.40**	**0.40**	**J**	**2.0**
Carbon disulfide	**0.034**	**0.50**	**0.11**	**J**	**1.6**
Carbon tetrachloride	**0.085**	**0.20**	**0.54**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W012809

GC/MS Volatiles

Lot-Sample # H9B020122 - 004 Work Order # K6KE51AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.59**	**0.50**	**1.2**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.47**	**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
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-COC012809

GC/MS Volatiles

Lot-Sample #	H9B020122 - 005	Work Order #	K6KE91AA	Matrix.....:	AIR

Date Sampled...:	01/28/2009	Date Received..:	02/02/2009
Prep Date.....:	02/06/2009	Analysis Date...	02/06/2009
Prep Batch #.....:	9040079		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**3.7**	**5.0**	**8.8**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.097**	**0.50**	**0.34**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.048**	**2.0**	**0.15**	**J**	**6.1**
Methylene chloride	**0.14**	**0.50**	**0.49**	**J B**	**1.7**
Benzene	**0.25**	**0.20**	**0.79**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.097**	**0.20**	**0.37**	**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	**0.072**	**0.20**	**0.55**	**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)	**0.46**	**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

Lawhon & Associates, Inc.

Client Sample ID: SU-COC012809

GC/MS Volatiles

Lot-Sample # H9B020122 - 005 Work Order # K6KE91AA 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	**0.56**	**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	**0.43**	**0.20**	**2.1**		**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 # H9B090000 - 079B Work Order # K6W921AA Matrix.....: AIR

	01/28/2009	Date Received..:	02/02/2009
Prep Date.....:	02/06/2009	Analysis Date...	02/06/2009
Prep Batch #.....:	9040079		
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	0.060	0.50	0.21	J	1.7
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9B090000 - 079B Work Order # K6W921AA 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 #	H9B090000 - 079C	Work Order #	K6W921AC	Matrix.....:	AIR
	01/28/2009	Date Received..:	02/02/2009		
Prep Date.....:	02/06/2009	Analysis Date...	02/06/2009		
Prep Batch #.....:	9040079				
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	2.51	8.0	8.0	100	70 - 130
Toluene	2.50	2.64	9.4	9.9	106	70 - 130
Trichloroethene	2.50	2.54	13	14	102	70 - 130
Chlorobenzene	2.50	2.52	12	12	101	70 - 130
1,1-Dichloroethene	2.50	2.65	9.9	11	106	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	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) 787-0100~~
~~Fax: (216) 787-0409~~

H9B020122

№ 8380

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8686 9342 2578
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	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: VOC	Analysis: TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
[illegible]														
SU-C012809				1/28/09	1440	Cell Tower	1			X	X			1517
SU-G012809				1/28/09	1440	Campground	1			X	X			1409
SU-S012809				1/28/09	1440	School	1			X	X			6590
SU-W012809				1/28/09	1440	Wetland	1			X	X			7506
SU-COC012809				1/28/09	1440	Co-located Cell Tower	1			X	X			1536

REC AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 2/2/09
FED EX #8686 9342 2578
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]	1/30/09 15:00pm	Ryan Henry	2/2/09 0945				
[signature]	1/30/09 09:00am						

Comments:

Distributor: White - File; Yellow - Lab

20

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

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

Sampled By: Rick Jones

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section) TIC	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU_C012809	1/28/09	15:00	15:00	-29.0 "Hg	-3.0 "Hg	K129	1517	X					X						
SU-G012809	↓	↓	↓	-29.0 "Hg	-4.5 "Hg	K364	1409	X					X						
SU-S012809	↓	↓	↓	-29.5 "Hg	-2.5 "Hg	K308	6590	X					X						
SU-W012809	↓	↓	↓	-29.0 "Hg	-0 "Hg	K136	7506	X					X						
SU-COC012809	↓	↓	↓	-28.5 "Hg	-0 "Hg	K409	1536	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 12161 did not use.

Canisters Shipped by: [signature]	Date/Time: 1/30/09 15:00pm	Canisters Received by:
Samples Relinquished by: [signature]	Date/Time: 1/30/09 09:00am	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9B020122

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 LABEL; 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: 2/2/09

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: 02/17/09
Job Number: E09-01054
Date Received: 02/03/09
Date Analyzed: 02/12/09

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

Sample Name:	C012809-01A *		C012809-02A *		C012809-03A *		Reporting
IAL ID:	E09-01054-14		E09-01054-15		E09-01054-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Acetaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Propionaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Benzaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 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	< 0.5	< 0.1	< 0.4	0.1
Hexaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1

Sample Name:	G012809-01A		G012809-02A		G012809-03A		Reporting
IAL ID:	E09-01054-17		E09-01054-18		E09-01054-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.46	2.2	0.44	2.0	0.48	2.2	0.1
Acetaldehyde	0.62	3.0	0.50	2.2	1.0	4.6	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.5	0.1
Propionaldehyde	0.11	0.54	< 0.1	< 0.4	0.15	0.67	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.5	0.1
Butyraldehyde	< 0.1	< 0.5	< 0.1	< 0.4	0.13	0.58	0.1

Benzaldehyde	0.24	1.2	0.18	0.81	0.22	1.0	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 1	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.5	0.1

Lawhon & Associates, Inc. Job Number: E09-01054
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S012809-01A		S012809-02A		S012809-03A		Reporting
IAL ID:	E09-01054-20		E09-01054-21		E09-01054-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.46	3.6	0.54	2.3	0.62	2.6	0.1
Acetaldehyde	0.58	4.5	0.52	2.3	0.54	2.3	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	0.12	0.94	0.11	0.49	0.10	0.43	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Butyraldehyde	0.26	2.0	0.14	0.63	0.18	0.77	0.1
Benzaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	0.11	0.46	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.8	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.8	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Hexaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1

Sample Name:	W012809-01A		W012809-02A		W012809-03A		Reporting
IAL ID:	E09-01054-23		E09-01054-24		E09-01054-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.58	2.8	0.32	1.6	0.50	3.0	0.1
Acetaldehyde	0.62	3.0	0.32	1.6	0.56	3.3	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	0.16	0.77	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Butyraldehyde	0.44	2.1	0.13	0.64	0.19	1.1	0.1
Benzaldehyde	0.14	0.66	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 4	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	< 0.6	0.1
Hexaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1

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

Job Number: E09-01054

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

Sample Name:	012809A-A		Reporting
IAL ID:	E09-01054-26		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

* As per client note on the chain of custody, the times for samples C012809-01A thru C012809-03A (E09-01054-14 thru E09-01054-16) are assumed as the pump may have been malfunctioning.

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: 02/17/09
Job Number: E09-01054
Date Received: 02/03/09
Date Analyzed: 02/17/09

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
C012809-01H *	E09-01054-01	< 0.6	< 5	< 0.4	< 3
C012809-02H *	E09-01054-02	< 0.6	< 4	< 0.4	< 3
C012809-03H *	E09-01054-03	< 0.6	< 4	< 0.4	< 3
G012809-01H	E09-01054-04	< 0.6	< 4	< 0.4	< 3
G012809-02H	E09-01054-05	< 0.6	< 4	< 0.4	< 2
G012809-03H	E09-01054-06	< 0.6	< 4	< 0.4	< 2
S012809-01H	E09-01054-07	< 0.6	< 5	< 0.4	< 3
S012809-02H	E09-01054-08	< 0.6	< 4	< 0.4	< 2
S012809-03H	E09-01054-09	< 0.6	< 4	< 0.4	< 3
W012809-01H	E09-01054-10	< 0.6	< 4	< 0.4	< 3
W012809-02H	E09-01054-11	< 0.6	< 5	< 0.4	< 3
W012809-03H	E09-01054-12	< 0.6	< 5	< 0.4	< 3
012809A-H	E09-01054-13	< 0.6	N/A	< 0.4	N/A
Reporting Limit		0.6		0.4	

* Per client note on the chain of custody, the times for samples C012809-01H thru C012809-03H (E09-01054-01 thru E09-01054-03) are assumed as the pump may have been malfunctioning.

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 #22

March 20, 2009

APPENDIX C. Laboratory Analytical Results from Event #104:
Sampling conducted Tuesday February 3 to Wednesday February 4, 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 #: H9B060246

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

February 17, 2009

ANALYTICAL METHODS SUMMARY

H9B060246

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

H9B060246

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K6VT2	001	SU-C020309	02/03/09	
K6VT6	002	SU-G020309	02/03/09	
K6VT8	003	SU-S020309	02/03/09	
K6VT9	004	SU-W020309	02/03/09	
K6VVA	005	SU-COS020309	02/03/09	
~~K6VVD~~	~~006~~	~~SU-IBD012909~~	02/03/09	

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
H9B060246

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 ≤40% difference from the initial calibration. The calibration verification analyzed on 2/11/09 exhibited a %difference of >30% but ≤40% for 1,2,4-trichlorobenzene.

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-C020309

GC/MS Volatiles

Lot-Sample # H9B060246 - 001 **Work Order #** K6VT21AA **Matrix.....:** AIR

Date Sampled...: 02/03/2009 **Date Received..:** 02/06/2009
Prep Date.....: 02/11/2009 **Analysis Date...** 02/11/2009
Prep Batch #.....: 9043020
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	**5.1**	**5.0**	**12**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	**0.095**	**0.50**	**0.39**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.13**	**0.50**	**0.46**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.10**	**2.0**	**0.31**	**J**	**6.1**
Methylene chloride	**0.13**	**0.50**	**0.46**	**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	**0.27**	**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	**0.070**	**0.20**	**0.54**	**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	**0.15**	**0.20**	**0.66**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.64**	**1.0**	**1.9**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	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	**0.070**	**0.20**	**0.44**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C020309

GC/MS Volatiles

Lot-Sample # H9B060246 - 001 Work Order # K6VT21AA 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	**0.49**	**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	**0.47**	**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
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-G020309

GC/MS Volatiles

Lot-Sample #	H9B060246 - 002	**Work Order #**	K6VT61AA	**Matrix.....:**	AIR

Date Sampled...:	02/03/2009	**Date Received..:**	02/06/2009
Prep Date.....:	02/11/2009	**Analysis Date...**	02/11/2009
Prep Batch #.....:	9043020		
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	**2.1**	**5.0**	**5.1**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.068**	**0.50**	**0.28**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.10**	**0.50**	**0.35**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.20**	**0.50**	**0.69**	**J B**	**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	**0.16**	**0.20**	**0.61**	**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	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**	**0.69**	**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-G020309

GC/MS Volatiles

Lot-Sample # H9B060246 - 002 Work Order # K6VT61AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Carbon tetrachloride	**0.071**	**0.20**	**0.45**	**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	**0.58**	**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	**0.49**	**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

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-S020309

GC/MS Volatiles

Lot-Sample #	H9B060246 - 003	**Work Order #**	K6VT81AA	**Matrix.....:**	AIR

Date Sampled...:	02/03/2009	**Date Received..:**	02/06/2009
Prep Date.....:	02/11/2009	**Analysis Date...**	02/11/2009
Prep Batch #.....:	9043020		
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**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.44**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.11**	**0.50**	**0.40**	**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	**0.18**	**0.50**	**0.64**	**J B**	**1.7**
Benzene	**0.24**	**0.20**	**0.76**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.20**	**0.20**	**0.74**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.075**	**0.20**	**0.57**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.088**	**0.20**	**0.43**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.13**	**0.20**	**0.58**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.53**	**1.0**	**1.6**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.077**	**0.20**	**0.48**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S020309

GC/MS Volatiles

Lot-Sample # H9B060246 - 003 **Work Order #** K6VT81AA **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	**0.51**	**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	92	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-W020309

GC/MS Volatiles

Lot-Sample #	H9B060246 - 004	**Work Order #**	K6VT91AA	**Matrix.....:**	AIR

Date Sampled...:	02/03/2009	**Date Received..:**	02/06/2009
Prep Date.....:	02/11/2009	**Analysis Date...**	02/11/2009
Prep Batch #.....:	9043020		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**7.7**	**5.0**	**18**		**12**
Ethylbenzene	**0.083**	**0.20**	**0.36**	**J**	**0.87**
Trichlorofluoromethane	**0.22**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.23**	**0.50**	**0.94**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.16**	**0.50**	**0.55**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.51**	**2.0**	**1.6**	**J**	**6.1**
Methylene chloride	**0.18**	**0.50**	**0.63**	**J B**	**1.7**
Benzene	**0.24**	**0.20**	**0.76**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.13**	**1.0**	**0.38**	**J**	**2.9**
Toluene	**0.64**	**0.20**	**2.4**		**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	**0.074**	**0.20**	**0.57**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.15**	**0.20**	**0.73**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.083**	**0.20**	**0.36**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.22**	**0.20**	**0.97**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.4**	**1.0**	**4.1**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.12**	**0.50**	**0.51**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.18**	**0.50**	**0.55**	**J**	**1.6**
Carbon tetrachloride	**0.072**	**0.20**	**0.45**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W020309

GC/MS Volatiles

Lot-Sample # H9B060246 - 004 **Work Order #** K6VT91AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.53**	**0.50**	**1.1**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.53**	**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	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-COS020309

GC/MS Volatiles

Lot-Sample #	H9B060246 - 005	**Work Order #**	K6VVA1AA	**Matrix.....:**	AIR

Date Sampled...:	02/03/2009	**Date Received..:**	02/06/2009
Prep Date.....:	02/11/2009	**Analysis Date...**	02/12/2009
Prep Batch #.....:	9043020		
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	**2.1**	**5.0**	**5.0**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	**0.070**	**0.50**	**0.29**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.15**	**0.50**	**0.54**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.49**	**0.50**	**1.7**	**J B**	**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	**0.16**	**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	**0.064**	**0.20**	**0.49**	**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)	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: SU-COS020309

GC/MS Volatiles

Lot-Sample # H9B060246 - 005 **Work Order #** K6VVA1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Carbon tetrachloride	**0.061**	**0.20**	**0.39**	**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	**0.52**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.44**	**0.20**	**2.2**		**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	92	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-IBD012909

GC/MS Volatiles

Lot-Sample # H9B060246 - 006 Work Order # K6VVD1AA Matrix.....: AIR

Date Sampled...: 02/03/2009 Date Received..: 02/06/2009
Prep Date.....: 02/11/2009 Analysis Date... 02/12/2009
Prep Batch #.....: 9043020
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	8.9	5.0	21		12
Ethylbenzene	0.67	0.20	2.9		0.87
Trichlorofluoromethane	0.21	0.20	1.2		1.1
n-Heptane	0.31	0.50	1.3	J	2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.17	0.50	0.60	J	1.8
2,2,4-Trimethylpentane	0.062	0.50	0.29	J	2.3
tert-Butyl alcohol	0.26	2.0	0.79	J	6.1
Methylene chloride	0.21	0.50	0.72	J B	1.7
Benzene	0.44	0.20	1.4		0.64
Styrene	0.070	0.20	0.30	J	0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	0.47	1.0	1.4	J	2.9
Toluene	2.1	0.20	8.0		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	0.071	0.20	0.55	J	1.5
1,2,4-Trimethylbenzene	0.35	0.20	1.7		0.98
1,3,5-Trimethylbenzene	0.15	0.20	0.73	J	0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.45	0.20	1.9		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)	3.5	1.0	10		2.9
4-Methyl-2-pentanone (MIBK)	0.21	0.50	0.86	J	2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	0.14	0.40	0.69	J	2.0
Carbon disulfide	0.055	0.50	0.17	J	1.6
Carbon tetrachloride	0.069	0.20	0.44	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9B120000 - 020B	**Work Order #**	K633D1AA	**Matrix.....:**	AIR
	02/04/2009	**Date Received..:**	02/09/2009		
Prep Date.....:	02/11/2009	**Analysis Date...**	02/11/2009		
Prep Batch #.....:	9043020				
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	**0.075**	**0.50**	**0.26**	**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 # H9B120000 - 020B Work Order # K633D1AA 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

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 #	H9B120000 - 020C	**Work Order #**	K633D1AC	**Matrix.....:**	AIR
	02/04/2009	**Date Received..:**	02/09/2009		
Prep Date.....:	02/11/2009	**Analysis Date...**	02/11/2009		
Prep Batch #.....:	9043020				
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	3.04	8.0	9.7	121	70 - 130
Toluene	2.50	2.48	9.4	9.4	99	70 - 130
Trichloroethene	2.50	2.59	13	14	104	70 - 130
Chlorobenzene	2.50	2.53	12	12	101	70 - 130
1,1-Dichloroethene	2.50	2.88	9.9	11	115	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	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.**

~~829~~ 975 Eastwind Drive, Suite ~~211~~ 190
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2135 Freeman Avenue~~
~~Cleveland, OH 44113~~
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~~Fax: (216) 737-8109~~

H9B 060246

№ 8318

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8686 9342 2659
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements		Method / Analysis: VOC	Method / Analysis: TO15 TIC											Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C020309	•			2/3/09	1440	Cell Tower	1			X	X													6689
SU-G020309	✓			2/3/09	1440	Campground	1			X	X													1491
SU-S020309				2/3/09	1440	School	1			X	X													1147
SU-W020309				2/3/09	1440	Wetland	1			X	X													6600
SU-COS020309				2/3/09	1440	Co-located school	1			X	X													93170

REC. AT AMBIENT
CUSTODY SEAL INTACT
2 BOXES RH 2/6/09
FED EX # 8686 9342 2660
↓ 2659

7 CANS / 7 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	2/3/09 1500	Ryan Henry	2/6/09 0950				
[signature]	2/7/09 0500	[signature]					

Comments:

Distributor: White - File; Yellow - Lab

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

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~~Fax: (216) 787-0109~~

H9B060246

№ 8470

Sent To: TestAmerica (Lab Name)
VIA: Fed Ex
Air Bill No.: 8686 9342 2660
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0087

Project Name: Countywide

Sampler (print): Tony Noxon

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis	Method															Expected Conc. (H,M,L)	Hold	Remarks:
										VOC	TOIS																
SU-IBD012909				1/29/09	480	DW of Construction Zone	1		X	X																	Summa Can # 92009

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	2/5/09 1500	Kym Henry	2/6/09 0950				
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

Canister Samples Chain of Custody Record

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

H9BD60246

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: Rick Jones

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section) T1C	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C 020309	2/3/09	15:00	15:00	-29.0 "Hg	0 "Hg	K455	6689	X					X						
SU-G 020309	↓	↓	↓	-29.5 "Hg	-5.0 "Hg	K227	1491	X					X						
SU-S 020309	↓	↓	↓	-29.5 "Hg	-7.0 "Hg	K380	1147	X					X						
SU-W 020309	↓	↓	↓	-29.5 "Hg	-0.5 "Hg	K401	6600	X					X						
SU-COS 020309	↓	↓	↓	-29.5 "Hg	-8.0 "Hg	K306	93170	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 #11423, Did not use

Canisters Shipped by: [signature]	Date/Time: 2/3/09 1500	Canisters Received by:
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

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

49B060246

Client Contact Information	**Project Manager:** Shawn Ansbro	**Sampled By:** Tony Noxon	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: Countywide	**Analysis Turnaround Time**		
Site/location: Iso-Break	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	Other (Please specify in notes section) TIC	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-IBD012909	1/29/09	0739	1645	-28.5 "Hg	0 "Hg	K422	92009	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: [signature]	Date/Time: 2/5/09 1500	Canisters Received by:
Samples Relinquished by: [signature]	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Summary of Results

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

Report Date: 02/25/09
Job Number: E09-01242
Date Received: 02/06/09
Date Analyzed: 02/24/09

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

Sample Name:	C020309-01A*		C020309-02A *		C020309-03A		Reporting
IAL ID:	E09-01242-14		E09-01242-15		E09-01242-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.94	5.0	0.44	2.7	0.40	2.1	0.1
Acetaldehyde	0.92	4.9	0.50	3.1	0.36	1.9	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Propionaldehyde	0.14	0.73	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Butyraldehyde	0.40	2.1	0.14	0.84	0.10	0.54	0.1
Benzaldehyde	0.19	1.0	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 4	< 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	< 0.6	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1

Sample Name:	G020309-01A *		G020309-02A		G020309-03A		Reporting
IAL ID:	E09-01242-17		E09-01242-18		E09-01242-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.58	3.2	0.34	1.8	0.42	2.2	0.1
Acetaldehyde	1.0	5.5	0.46	2.4	0.60	3.2	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	0.14	0.76	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	0.17	1.0	< 0.1	< 0.5	< 0.1	< 0.5	0.1

Benzaldehyde	0.24	1.3	< 0.1	< 0.5	0.15	0.78	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	0.42	2.3	< 0.1	< 0.5	< 0.1	< 0.5	0.1

Lawhon & Associates, Inc. Job Number: E09-01242
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S020309-01A		S020309-02A		S020309-03A		Reporting
IAL ID:	E09-01242-20		E09-01242-21		E09-01242-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.60	5.0	0.56	2.8	0.58	2.8	0.1
Acetaldehyde	0.54	4.5	0.48	2.4	0.44	2.2	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	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	0.26	2.2	0.19	0.94	0.14	0.71	0.1
Benzaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 1	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1

Sample Name:	W020309-01A		W020309-02A		W020309-03A		Reporting
IAL ID:	E09-01242-23		E09-01242-24		E09-01242-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	2.2	13	0.40	2.2	0.66	4.4	0.1
Acetaldehyde	0.68	4.1	0.40	2.2	0.52	3.4	0.1
Acetone	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Acrolein	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1

Propionaldehyde	0.15	0.92	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Crotonaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Butyraldehyde	0.36	2.2	0.12	0.69	0.20	1.3	0.1
Benzaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Isovaleraldehyde	< 0.6	< 4	< 0.6	< 3	< 0.6	< 4	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	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Hexaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1

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

Job Number: E09-01242

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

Sample Name: 020309A-A
IAL ID: E09-01242-26

Compound	ug	ug/m3	Reporting Limits 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: 02/24/09
Job Number: E09-01242
Date Received: 02/06/09
Date Analyzed: 02/23/09

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
C020309-01H	E09-01242-01	< 0.6	< 4	< 0.4	< 3
C020309-02H	E09-01242-02	< 0.6	< 4	< 0.4	< 3
C020309-03H	E09-01242-03	< 0.6	< 4	< 0.4	< 3
G020309-01H	E09-01242-04	< 0.6	< 4	< 0.4	< 2
G020309-02H	E09-01242-05	< 0.6	< 4	< 0.4	< 2
G020309-03H	E09-01242-06	< 0.6	< 4	< 0.4	< 2
S020309-01H	E09-01242-07	< 0.6	< 4	< 0.4	< 3
S020309-02H	E09-01242-08	< 0.6	< 4	< 0.4	< 2
S020309-03H	E09-01242-09	< 0.6	< 4	< 0.4	< 3
W020309-01H	E09-01242-10	< 0.6	< 5	< 0.4	< 3
W020309-02H	E09-01242-11	< 0.6	< 5	1.2	9.1
W020309-03H	E09-01242-12	< 0.6	< 4	< 0.4	< 3
020309A-H	E09-01242-13	< 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 #22

March 20, 2009

APPENDIX D. Laboratory Analytical Results from Event #105:
Sampling conducted Monday February 9 through Tuesday February 10, 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 #: H9B130198

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

February 24, 2009

ANALYTICAL METHODS SUMMARY

H9B130198

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

H9B130198

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K66X4	001	SU-C020909	02/09/09	
K66X5	002	SU-G020909	02/09/09	
K66X6	003	SU-S020909	02/09/09	
K66X9	004	SU-COG020909	02/09/09	

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
H9B130198

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.

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 ≤40% difference from the initial calibration. The calibration verification analyzed on 2/17/09 exhibited a %difference of >30% but ≤40% for acetone.

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-C020909

GC/MS Volatiles

Lot-Sample #	H9B130198 - 001	Work Order #	K66X41AA	Matrix.....:	AIR

Date Sampled...:	02/09/2009	Date Received..:	02/13/2009
Prep Date.....:	02/17/2009	Analysis Date...	02/17/2009
Prep Batch #.....:	9049027		
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	**3.2**	**5.0**	**7.5**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.44**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.20**	**0.50**	**0.70**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.042**	**2.0**	**0.13**	**J**	**6.1**
Methylene chloride	**0.28**	**0.50**	**0.99**	**J**	**1.7**
Benzene	**0.39**	**0.20**	**1.3**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.26**	**0.20**	**0.97**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.074**	**0.20**	**0.57**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.075**	**0.20**	**0.37**	**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	**0.14**	**0.20**	**0.60**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.33**	**1.0**	**0.98**	**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	**0.078**	**0.20**	**0.49**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C020909

GC/MS Volatiles

Lot-Sample # H9B130198 - 001 Work Order # K66X41AA 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	**0.040**	**0.50**	**0.14**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.50**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Methyl Alcohol	5.7	ppb(v/v)

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-G020909

GC/MS Volatiles

Lot-Sample #	H9B130198 - 002	Work Order #	K66X51AA	Matrix.....:	AIR

Date Sampled...:	02/09/2009	Date Received..:	02/13/2009
Prep Date.....:	02/17/2009	Analysis Date...	02/17/2009
Prep Batch #.....:	9049027		
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	**3.9**	**5.0**	**9.3**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.19**	**0.20**	**1.1**	**J**	**1.1**
n-Heptane	**0.12**	**0.50**	**0.50**	**J**	**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	**0.045**	**2.0**	**0.14**	**J**	**6.1**
Methylene chloride	**0.37**	**0.50**	**1.3**	**J**	**1.7**
Benzene	**0.36**	**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	**0.31**	**0.20**	**1.2**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.064**	**0.20**	**0.49**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.16**	**0.20**	**0.77**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.071**	**0.20**	**0.31**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.19**	**0.20**	**0.81**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.47**	**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	**0.069**	**0.40**	**0.34**	**J**	**2.0**
Carbon disulfide	**0.032**	**0.50**	**0.10**	**J**	**1.6**
Carbon tetrachloride	**0.068**	**0.20**	**0.43**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G020909

GC/MS Volatiles

Lot-Sample # H9B130198 - 002 Work Order # K66X51AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.48**	**0.50**	**1.00**	**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	**0.082**	**0.20**	**0.50**	**J**	**1.2**
Dichlorodifluoromethane	**0.43**	**0.20**	**2.1**		**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
Methyl Alcohol	3.8	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	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-S020909

GC/MS Volatiles

Lot-Sample # H9B130198 - 003 Work Order # K66X61AA Matrix.....: AIR

Date Sampled...: 02/09/2009 Date Received..: 02/13/2009
Prep Date.....: 02/17/2009 Analysis Date... 02/17/2009
Prep Batch #.....: 9049027
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	39	5.0	94		12
Ethylbenzene	0.18	0.20	0.77	J	0.87
Trichlorofluoromethane	0.21	0.20	1.2		1.1
n-Heptane	0.76	0.50	3.1		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.41	0.50	1.5	J	1.8
2,2,4-Trimethylpentane	0.095	0.50	0.44	J	2.3
tert-Butyl alcohol	2.1	2.0	6.5		6.1
Methylene chloride	1.6	0.50	5.5		1.7
Benzene	0.45	0.20	1.5		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	0.073	1.0	0.22	J	2.9
Toluene	0.82	0.20	3.1		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	0.062	0.20	0.47	J	1.5
1,2,4-Trimethylbenzene	0.58	0.20	2.8		0.98
1,3,5-Trimethylbenzene	0.13	0.20	0.63	J	0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.24	0.20	1.0		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	0.61	0.20	2.6		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	3.4	1.0	10.0		2.9
4-Methyl-2-pentanone (MIBK)	0.22	0.50	0.89	J	2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	0.27	0.40	1.3	J	2.0
Carbon disulfide	0.048	0.50	0.15	J	1.6
Carbon tetrachloride	0.072	0.20	0.45	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-S020909

GC/MS Volatiles

Lot-Sample # H9B130198 - 003 Work Order # K66X61AA 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	**0.45**	**0.50**	**0.94**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.10**	**0.50**	**0.34**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	**0.13**	**0.20**	**0.78**	**J**	**1.2**
Dichlorodifluoromethane	**0.43**	**0.20**	**2.1**		**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
Acetaldehyde	11	ppb(v/v)
Butanal	4.4	ppb(v/v)
Butane	2.9	ppb(v/v)
Ethyl alcohol	3.6	ppb(v/v)
Hexanal	2.5	ppb(v/v)
Octanal	2.7	ppb(v/v)

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-COG020909

GC/MS Volatiles

Lot-Sample #	H9B130198 - 004	Work Order #	K66X91AA	Matrix.....:	AIR

Date Sampled...:	02/09/2009	Date Received..:	02/13/2009
Prep Date.....:	02/17/2009	Analysis Date...	02/17/2009
Prep Batch #.....:	9049027		
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	3.2	5.0	7.7	J	12
Ethylbenzene	0.16	0.20	0.67	J	0.87
Trichlorofluoromethane	0.25	0.20	1.4		1.1
n-Heptane	0.12	0.50	0.49	J	2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.36	0.50	1.3	J	1.8
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	2.1	0.50	7.4		1.7
Benzene	0.39	0.20	1.2		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	0.56	0.20	2.1		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.067	0.20	0.52	J	1.5
1,2,4-Trimethylbenzene	0.56	0.20	2.7		0.98
1,3,5-Trimethylbenzene	0.13	0.20	0.65	J	0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.24	0.20	1.0		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	0.61	0.20	2.6		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	0.39	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	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	0.17	0.40	0.82	J	2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	0.067	0.20	0.42	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-COG020909

GC/MS Volatiles

Lot-Sample # H9B130198 - 004 Work Order # K66X91AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.52**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.045**	**0.50**	**0.15**	**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	**0.45**	**0.20**	**2.2**		**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
Methyl Alcohol	19	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	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 #	H9B180000 - 027B	Work Order #	K7CED1AA	Matrix.....:	AIR
	02/05/2009	Date Received..:	02/06/2009		
Prep Date.....:	02/17/2009	Analysis Date...	02/17/2009		
Prep Batch #.....:	9049027				
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 # H9B180000 - 027B Work Order # K7CED1AA 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	96	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 #	H9B180000 - 027C	Work Order #	K7CED1AC	Matrix.....:	AIR
	02/05/2009	Date Received..:	02/06/2009		
Prep Date.....:	02/17/2009	Analysis Date...	02/17/2009		
Prep Batch #.....:	9049027				
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	2.48	9.4	9.3	99	70 - 130
Trichloroethene	2.50	2.54	13	14	102	70 - 130
Chlorobenzene	2.50	2.57	12	12	103	70 - 130
1,1-Dichloroethene	2.50	2.71	9.9	11	109	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

H9B130198

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

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№ 8467

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

Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	Time	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method: VOC TO-15	TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C020909				2/9/09	1440	Cell Tower	1		X	X			12521
SU-G020909				2/9/09	1440	Campground	1		X	X			S-1493
SU-S020909				2/9/09	1440	School	1		X	X			6522
SU-COG020909				2/9/09	1440	Co-Loc. Campground	1		X	X			0001

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 2/13/09
FED EX # 868693422784
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]	2/12/09 1500	Ryan Henry	2/13/09 0945				
[signature]	2/13/09 0800						

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

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

Sampled By: Rick Jones

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	TIC Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C020909	2/9/09	1500	1500	-29.5 "Hg	-5.0 "Hg	K456	12521	X					X						
SU-G020909	2/9/09	1500	1500	-29.0 "Hg	-4.5 "Hg	K339	5-1493	X					X						
SU-S020909	2/9/09	1500	1500	-29.0 "Hg	-4.0 "Hg	K324	6522	X					X						
SU-COG020909	2/9/09	1500	1500	-29.0 "Hg	-2.0 "Hg	K294	0001	X					X						

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return Cans #92003 and #12816, did not use.

Canisters Shipped by: [signature]	Date/Time: 2/12/09	Canisters Received by:
Samples Relinquished by: [signature]	Date/Time: 2/11/09 0800	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** 17GB130198

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 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?	✓		✓ RH	☐ 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 #: 79700 PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 2/13/09

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: 02/27/09
Job Number: E09-01461
Date Received: 02/12/09
Date Analyzed: 02/25/09

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

Sample Name:	C020909-01A		C020909-02A		C020909-03A		Reporting
IAL ID:	E09-01461-01		E09-01461-02		E09-01461-03		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.5	7.1	1.1	5.9	1.5	6.7	0.1
Acetaldehyde	0.96	4.5	0.56	3.1	0.74	3.4	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Propionaldehyde	0.24	1.1	0.13	0.73	0.16	0.75	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Butyraldehyde	0.80	3.7	0.34	1.9	0.20	0.91	0.1
Benzaldehyde	0.80	3.7	0.60	3.3	0.88	4.0	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	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Hexaldehyde	0.70	3.3	< 0.1	< 0.6	< 0.1	< 0.5	0.1

Sample Name:	G020909-01A *		G020909-02A		G020909-03A		Reporting
IAL ID:	E09-01461-04		E09-01461-05		E09-01461-06		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.96	4.7	0.74	3.4	0.84	3.9	0.1
Acetaldehyde	1.5	7.3	0.90	4.1	1.1	5.3	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	0.24	1.2	0.16	0.74	0.15	0.69	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	0.36	1.8	0.16	0.73	0.18	0.82	0.1
Benzaldehyde	0.70	3.4	0.50	2.3	0.64	3.0	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6

Valeraldehyde	< 0.2	< 1	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	0.82	4.0	< 0.1	< 0.5	0.54	2.5	0.1

*All of the analytes reported in this sample came from the back half of the sorbent tube, not the front half. It is possible that the sorbent tube was reversed during sampling.

Lawhon & Associates, Inc. Job Number: E09-01461
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S020909-01A		S020909-02A		S020909-03A		Reporting
IAL ID:	E09-01461-07		E09-01461-08		E09-01461-09		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.7	13	1.0	4.5	2.2	9.5	0.1
Acetaldehyde	1.2	9.4	0.80	3.6	1.1	4.6	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	0.26	2.0	0.15	0.66	0.26	1.1	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Butyraldehyde	0.84	6.6	0.32	1.4	0.74	3.2	0.1
Benzaldehyde	0.42	3.3	0.46	2.1	0.90	3.9	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	0.56	4.4	< 0.1	< 0.4	0.66	2.8	0.1

Sample Name:	020909A-A		Reporting
IAL ID:	E09-01461-10		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

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: 02/27/09
Job Number: E09-01461
Date Received: 02/12/09
Date Analyzed: 02/27/09

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
C020909-01H	E09-01461-11	< 0.6	< 5	< 0.4	< 3
C020909-02H	E09-01461-12	< 0.6	< 5	< 0.4	< 3
C020909-03H	E09-01461-13	< 0.6	< 5	< 0.4	< 3
G020909-01H	E09-01461-14	< 0.6	< 4	< 0.4	< 3
G020909-02H	E09-01461-15	< 0.6	< 5	< 0.4	< 3
G020909-03H	E09-01461-16	< 0.6	< 4	< 0.4	< 3
S020909-01H	E09-01461-17	< 0.6	< 5	< 0.4	< 3
S020909-02H	E09-01461-18	< 0.6	< 4	< 0.4	< 3
S020909-03H	E09-01461-19	< 0.6	< 5	< 0.4	< 3
020909A-H	E09-01461-20	< 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 #22

March 20, 2009

APPENDIX E. Laboratory Analytical Results from Event #106:
Sampling conducted Sunday February 15 to Monday February 16, 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 #: H9B180113

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

February 27, 2009

ANALYTICAL METHODS SUMMARY

H9B180113

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

H9B180113

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K7CLN	001	SU-C021509	02/15/09	
K7CL7	002	SU-G021509	02/15/09	
K7CL8	003	SU-S021509	02/15/09	

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
H9B180113

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 labels attached to the sample containers did not list a sample ID.

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-C021509

GC/MS Volatiles

Lot-Sample # H9B180113 - 001 Work Order # K7CLN1AA Matrix.....: AIR

Date Sampled...: 02/15/2009 Date Received..: 02/18/2009
Prep Date.....: 02/23/2009 Analysis Date... 02/23/2009
Prep Batch #.....: 9055102
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	**4.2**	**5.0**	**10**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	**0.086**	**0.50**	**0.35**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.15**	**0.50**	**0.54**	**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	**0.18**	**0.50**	**0.61**	**J**	**1.7**
Benzene	**0.28**	**0.20**	**0.89**		**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	**0.066**	**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)	**0.49**	**1.0**	**1.5**	**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	**0.070**	**0.20**	**0.44**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C021509

GC/MS Volatiles

Lot-Sample # H9B180113 - 001 Work Order # K7CLN1AA 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	**0.47**	**0.50**	**0.96**	**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	**0.47**	**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
Propane	2.8	ppb(v/v)

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-G021509

GC/MS Volatiles

Lot-Sample # H9B180113 - 002 Work Order # K7CL71AA Matrix.....: AIR

Date Sampled...: 02/15/2009 Date Received..: 02/18/2009
Prep Date.....: 02/23/2009 Analysis Date... 02/23/2009
Prep Batch #.....: 9055102
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	**0.25**	**0.20**	**1.1**		**0.87**
Trichlorofluoromethane	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	**0.19**	**0.50**	**0.78**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.30**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.042**	**0.50**	**0.20**	**J**	**2.3**
tert-Butyl alcohol	**0.12**	**2.0**	**0.35**	**J**	**6.1**
Methylene chloride	**0.51**	**0.50**	**1.8**		**1.7**
Benzene	**0.26**	**0.20**	**0.82**		**0.64**
Styrene	**0.11**	**0.20**	**0.48**	**J**	**0.85**
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.047**	**0.20**	**0.32**	**J**	**1.4**
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.98**	**0.20**	**3.7**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.066**	**0.20**	**0.51**	**J**	**1.5**
1,2,4-Trimethylbenzene	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	**0.10**	**0.20**	**0.44**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.34**	**0.20**	**1.5**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.39**	**1.0**	**1.2**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.085**	**0.50**	**0.35**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.061**	**0.50**	**0.19**	**J**	**1.6**
Carbon tetrachloride	**0.067**	**0.20**	**0.42**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G021509

GC/MS Volatiles

Lot-Sample # H9B180113 - 002 Work Order # K7CL71AA 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	**0.82**	**0.50**	**1.7**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	**0.54**	**0.50**	**1.8**	**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
Butane, 2-methyl-	33	ppb(v/v)
Isobutane	19	ppb(v/v)
Pentane	98	ppb(v/v)

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-S021509

GC/MS Volatiles

Lot-Sample # H9B180113 - 003 Work Order # K7CL81AA Matrix.....: AIR

Date Sampled...: 02/15/2009 Date Received..: 02/18/2009
Prep Date.....: 02/23/2009 Analysis Date... 02/23/2009
Prep Batch #.....: 9055102
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**9.0**	**5.0**	**21**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.19**	**0.50**	**0.78**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.11**	**0.50**	**0.40**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.068**	**2.0**	**0.21**	**J**	**6.1**
Methylene chloride	**0.24**	**0.50**	**0.84**	**J**	**1.7**
Benzene	**0.26**	**0.20**	**0.84**		**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	**0.20**	**0.20**	**0.76**		**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	**0.098**	**0.20**	**0.48**	**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)	**0.65**	**1.0**	**1.9**	**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	**0.079**	**0.20**	**0.50**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S021509

GC/MS Volatiles

Lot-Sample # H9B180113 - 003 Work Order # K7CL81AA 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	**0.62**	**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	**0.53**	**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
Acetaldehyde	2.2	ppb(v/v)
Propane	2.0	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	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 # H9B240000 - 102B Work Order # K7LN61AA Matrix.....: AIR

	02/17/2009	Date Received..:	02/20/2009
Prep Date.....:	02/23/2009	Analysis Date...	02/23/2009
Prep Batch #.....:	9055102		
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 # H9B240000 - 102B Work Order # K7LN61AA 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	94	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 # H9B240000 - 102C Work Order # K7LN61AC Matrix.....: AIR

	02/17/2009	Date Received..:	02/20/2009
Prep Date.....:	02/23/2009	Analysis Date...	02/23/2009
Prep Batch #.....:	9055102		
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	3.00	8.0	9.6	120	70 - 130
Toluene	2.50	2.75	9.4	10	110	70 - 130
Trichloroethene	2.50	3.08	13	17	123	70 - 130
Chlorobenzene	2.50	2.71	12	12	108	70 - 130
1,1-Dichloroethene	2.50	2.77	9.9	11	111	70 - 130

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

H9B180113

№ 8390

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

~~929~~ 775 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~~

Sent To: TestAmerica (Lab Name)
VIA: Fed Ex
Air Bill No.: 8686 9342 2887
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones and Nick Iannaggi

Signature: [signature]

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Method / Analysis: VOC	Method / Analysis: TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C021509				2/15/09	1440	Cell Tower	1		X	X			6132
SU-G021509				2/15/09	1440	Campground	1		X	X			0143
SU-S021509				2/15/09	1440	School	1		X	X			6658

CUSTODY SEALS INTACT
RECEIVED AT AMBIENT
TEMP BKD 2-18-09
1 BOX FEDEX #
8686 9342 2887

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]	2/17/09 1500	[signature]	2-18-09 10:15				
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

H9B180113

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: Rick Jones and Nick Iannaggi

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	TIC	Sample Dup	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C021509	2/15/09	15:00	15:00	-29.5"Hg	0"Hg	K113	6132	X					X						
SU-G021509	↓	↓	↓	-29.5"Hg	0"Hg	K401	0143	X					X						
SU-S021509	↓	↓	↓	-29.5"Hg	2.0"Hg	K162	6658	X					X						

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return Cans #6603, #12161, and #93146, did not use.

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** 149B180113

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:	ID, NO IDS ON SAMPLE LABELS, MATCHED BY CAN IDS
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 #: 79700 PM Instructions: _____

Sample Receiving Associate: [signature] Date: 2-18-09

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: 03/04/09
Job Number: E09-01635
Date Received: 02/18/09
Date Analyzed: 03/03/09

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

Sample Name:	C021509-01A		C021509-02A		C021509-03A		Reporting
IAL ID:	E09-01635-11		E09-01635-12		E09-01635-13		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.72	3.2	0.44	2.4	0.46	2.0	0.1
Acetaldehyde	0.64	2.8	0.40	2.1	0.54	2.3	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	0.13	0.59	0.12	0.67	< 0.1	< 0.4	0.1
Crotonaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	0.36	1.6	0.19	1.0	0.15	0.63	0.1
Benzaldehyde	0.68	3.0	0.40	2.1	0.34	1.5	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	0.74	3.3	0.36	1.9	< 0.1	< 0.4	0.1

Sample Name:	G021509-01A		G021509-02A		G021509-03A		Reporting
IAL ID:	E09-01635-14		E09-01635-15		E09-01635-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.48	2.3	0.44	1.9	0.40	1.8	0.1
Acetaldehyde	1.2	5.9	0.80	3.4	1.0	4.5	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Propionaldehyde	0.14	0.68	0.16	0.67	0.15	0.69	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Butyraldehyde	0.14	0.67	0.17	0.72	0.17	0.75	0.1
Benzaldehyde	0.26	1.2	0.44	1.9	0.38	1.7	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6

Valeraldehyde	< 0.2	< 1	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Hexaldehyde	0.32	1.5	< 0.1	< 0.4	< 0.1	< 0.4	0.1

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

Job Number: E09-01635

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

Sample Name:	S021509-01A		S021509-02A		S021509-03A		Reporting
IAL ID:	E09-01635-17		E09-01635-18		E09-01635-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.90	6.9	0.52	2.3	0.60	2.5	0.1
Acetaldehyde	0.86	6.6	0.44	1.9	0.52	2.1	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	0.26	2.0	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Butyraldehyde	0.66	5.1	0.17	0.75	0.20	0.83	0.1
Benzaldehyde	0.40	3.1	0.32	1.4	0.26	1.1	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 2	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.8	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.8	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Hexaldehyde	0.70	5.4	0.26	1.1	< 0.1	< 0.4	0.1

Sample Name:	021509A-A		Reporting
IAL ID:	E09-01635-20		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

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: 03/04/09
Job Number: E09-01635
Date Received: 02/18/09
Date Analyzed: 03/04/09

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
C021509-01H	E09-01635-01	< 0.6	< 4	< 0.4	< 2
C021509-02H	E09-01635-02	< 0.6	< 4	< 0.4	< 2
C021509-03H	E09-01635-03	< 0.6	< 4	< 0.4	< 2
G021509-01H	E09-01635-04	< 0.6	< 4	< 0.4	< 2
G021509-02H	E09-01635-05	< 0.6	< 4	< 0.4	< 2
G021509-03H	E09-01635-06	< 0.6	< 3	< 0.4	< 2
S021509-01H	E09-01635-07	< 0.6	< 4	< 0.4	< 3
S021509-02H	E09-01635-08	< 0.6	< 3	< 0.4	< 2
S021509-03H	E09-01635-09	< 0.6	< 4	< 0.4	< 2
021509A-H	E09-01635-10	< 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 #22

March 20, 2009

APPENDIX F. Laboratory Analytical Results from Supplemental Isolation Break Monitoring Event #6:
Sampling Conducted Monday January 26, 2009

Test America Laboratories: EPA Method TO-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 07-0082-SA2

Countywide

Lot #: H9A290212

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

February 4, 2009

ANALYTICAL METHODS SUMMARY

H9A290212

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

H9A290212

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K6FMV	001	SU-IBD012309	01/23/09	
K6FM8	005	SU-IBC012609	01/26/09	
K6FNA	006	SU-IBG012609	01/26/09	
K6FNF	007	SU-IBS012609	01/26/09	
K6FNH	008	SU-IBW012609	01/26/09	
K6FNK	009	SU-IBD012609	01/26/09	
K6FNN	010	SU-C012209	01/22/09	
K6FNP	011	SU-GO12209	01/22/09	
K6FNV	012	SU-SO12209	01/22/09	
K6FNX	013	SU-WO12209	01/22/09	
K6FN0	014	SU-COW012209	01/22/09	

Isolation break samples from community locations

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
H9A290212

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.

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-IBC012609

GC/MS Volatiles

Lot-Sample # H9A290212 - 005 **Work Order #** K6FM81AA **Matrix.....:** AIR

Date Sampled...: 01/26/2009 **Date Received..:** 01/29/2009
Prep Date.....: 01/30/2009 **Analysis Date...** 01/30/2009
Prep Batch #.....: 9033077
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethylbenzene	ND	0.20	ND		0.87
Benzene	**0.33**	**0.20**	**1.1**		**0.64**
Toluene	**0.20**	**0.20**	**0.77**		**0.75**
o-Xylene	**0.12**	**0.20**	**0.51**	**J**	**0.87**
m-Xylene & p-Xylene	**0.20**	**0.20**	**0.86**		**0.87**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	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-IBG012609

GC/MS Volatiles

Lot-Sample # H9A290212 - 006 **Work Order #** K6FNA1AA **Matrix.....:** AIR

Date Sampled...: 01/26/2009 **Date Received..:** 01/29/2009
Prep Date.....: 01/30/2009 **Analysis Date...** 01/30/2009
Prep Batch #.....: 9033077
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethylbenzene	ND	0.20	ND	0.87
Benzene	**0.33**	**0.20**	**1.1**	**0.64**
Toluene	**0.24**	**0.20**	**0.92**	**0.75**
o-Xylene	ND	0.20	ND	0.87
m-Xylene & p-Xylene	ND	0.20	ND	0.87

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	96	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: SU-IBS012609

GC/MS Volatiles

Lot-Sample # H9A290212 - 007 **Work Order #** K6FNF1AA **Matrix.....:** AIR

Date Sampled...: 01/26/2009 **Date Received..:** 01/29/2009
Prep Date.....: 01/30/2009 **Analysis Date...** 01/30/2009
Prep Batch #.....: 9033077
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethylbenzene	ND	0.20	ND		0.87
Benzene	**0.34**	**0.20**	**1.1**		**0.64**
Toluene	**0.27**	**0.20**	**1.0**		**0.75**
o-Xylene	ND	0.20	ND		0.87
m-Xylene & p-Xylene	**0.12**	**0.20**	**0.53**	**J**	**0.87**

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	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-IBW012609

GC/MS Volatiles

Lot-Sample # H9A290212 - 008 **Work Order #** K6FNH1AA **Matrix.....:** AIR

Date Sampled...: 01/26/2009 **Date Received..:** 01/29/2009
Prep Date.....: 01/30/2009 **Analysis Date...** 01/30/2009
Prep Batch #.....: 9033077
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Ethylbenzene	ND	0.20	ND	0.87
Benzene	**0.31**	**0.20**	**1.0**	**0.64**
Toluene	**0.20**	**0.20**	**0.75**	**0.75**
o-Xylene	ND	0.20	ND	0.87
m-Xylene & p-Xylene	ND	0.20	ND	0.87

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)