Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #23

April 20, 2009

APPENDIX A. Laboratory Analytical Results from Event #107:
Sampling conducted Saturday February 21 to Sunday February 22, 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 #: H9B250187

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

March 6, 2009

ANALYTICAL METHODS SUMMARY

H9B250187

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

H9B250187

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K7N1W	001	SU-C022109	02/21/09	14:40
K7N10	002	SU-G022109	02/21/09	14:40
K7N11	003	SU-S022109	02/21/09	14:40
K7N14	004	SU-COC022109	02/21/09	14:40

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
H9B250187

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

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

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

Sample Receipt

The containers for all samples were received without a label.

Quality Control and Data Interpretation

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

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

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. The laboratory standard operating procedure allows up to four analytes in the calibration verification to be ≤40% difference from the initial calibration. The calibration verification analyzed on 2/26/09 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-C022109

GC/MS Volatiles

Lot-Sample # H9B250187 - 001 Work Order # K7N1W1AA Matrix.....: AIR

Date Sampled...: 02/21/2009 Date Received..: 02/25/2009
Prep Date.....: 02/26/2009 Analysis Date... 02/27/2009
Prep Batch #.....: 9058108
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**	**7.6**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.19**	**0.20**	**1.1**	**J**	**1.1**
n-Heptane	**0.058**	**0.50**	**0.24**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.078**	**0.50**	**0.27**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.051**	**2.0**	**0.15**	**J**	**6.1**
Methylene chloride	**0.14**	**0.50**	**0.48**	**J**	**1.7**
Benzene	**0.18**	**0.20**	**0.57**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.090**	**0.20**	**0.34**	**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	**0.068**	**0.20**	**0.52**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.57**	**1.0**	**1.7**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.072**	**0.20**	**0.45**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C022109

GC/MS Volatiles

Lot-Sample # H9B250187 - 001 Work Order # K7N1W1AA 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	**0.42**	**0.50**	**0.87**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.46**	**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
None		

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-G022109

GC/MS Volatiles

Lot-Sample #	H9B250187 - 002	Work Order #	K7N101AA	Matrix.....:	AIR

Date Sampled...:	02/21/2009	Date Received..:	02/25/2009
Prep Date.....:	02/26/2009	Analysis Date...	02/27/2009
Prep Batch #.....:	9058108		
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	**0.19**	**0.20**	**1.1**	**J**	**1.1**
n-Heptane	**0.088**	**0.50**	**0.36**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.083**	**0.50**	**0.29**	**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	**0.10**	**0.50**	**0.36**	**J**	**1.7**
Benzene	**0.20**	**0.20**	**0.62**		**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	**0.10**	**0.20**	**0.38**	**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)	**0.72**	**1.0**	**2.1**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.23**	**0.50**	**0.95**	**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	**0.067**	**0.20**	**0.42**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G022109

GC/MS Volatiles

Lot-Sample # H9B250187 - 002 Work Order # K7N101AA 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	**0.46**	**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
None		

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

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-S022109

GC/MS Volatiles

Lot-Sample #	H9B250187 - 003	Work Order #	K7N111AA	Matrix.....:	AIR

Date Sampled...:	02/21/2009	Date Received..:	02/25/2009
Prep Date.....:	02/26/2009	Analysis Date...	02/27/2009
Prep Batch #.....:	9058108		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**4.0**	**5.0**	**9.6**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.45**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.088**	**0.50**	**0.31**	**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	**0.13**	**0.50**	**0.44**	**J**	**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	**0.13**	**0.20**	**0.51**	**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	**0.070**	**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)	**0.51**	**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	ND	0.40	ND		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-S022109

GC/MS Volatiles

Lot-Sample # H9B250187 - 003 Work Order # K7N111AA 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	**0.47**	**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	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-COC022109

GC/MS Volatiles

Lot-Sample # H9B250187 - 004 Work Order # K7N141AA Matrix.....: AIR

Date Sampled...: 02/21/2009 Date Received..: 02/25/2009
Prep Date.....: 02/26/2009 Analysis Date... 02/27/2009
Prep Batch #.....: 9058108
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	**2.5**	**5.0**	**6.0**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.19**	**0.20**	**1.1**	**J**	**1.1**
n-Heptane	**0.067**	**0.50**	**0.28**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.075**	**0.50**	**0.27**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.094**	**0.50**	**0.33**	**J**	**1.7**
Benzene	**0.19**	**0.20**	**0.61**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.083**	**0.20**	**0.31**	**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)	**0.26**	**1.0**	**0.75**	**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	**0.096**	**0.50**	**0.30**	**J**	**1.6**
Carbon tetrachloride	**0.067**	**0.20**	**0.42**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COC022109

GC/MS Volatiles

Lot-Sample # H9B250187 - 004 Work Order # K7N141AA 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	**0.55**	**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	**0.47**	**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

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 # H9B270000 - 108B Work Order # K7R6R1AA Matrix.....: AIR

	02/21/2009	Date Received..:	02/25/2009
Prep Date.....:	02/26/2009	Analysis Date...	02/26/2009
Prep Batch #.....:	9058108		
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 # H9B270000 - 108B Work Order # K7R6R1AA 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 #	H9B270000 - 108C	Work Order #	K7R6R1AC	Matrix.....:	AIR
	02/21/2009	Date Received..:	02/25/2009		
Prep Date.....:	02/26/2009	Analysis Date...	02/26/2009		
Prep Batch #.....:	9058108				
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	2.73	8.0	8.7	109	70 - 130
Toluene	2.50	2.34	9.4	8.8	94	70 - 130
Trichloroethene	2.50	2.38	13	13	95	70 - 130
Chlorobenzene	2.50	2.46	12	11	98	70 - 130
1,1-Dichloroethene	2.50	2.80	9.9	11	112	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.

~~929~~ 975 Eastwind Drive, Suite ~~211~~ 140
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

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

L4YB250187

№ 8397

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 8767
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/Nick

Signature:

Sample I.D. No.	Type	Type	Type	Date	Time (Min)	Sample Location	Number of Containers	Turn Around/Requirements	Method TO15	Analysis VOC	Analysis TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C022109				2/21/09	1440	Cell Tower	1			X	X			1136
SU-G022109				2/21/09	1440	Campground	1			X	X			3271N
SU-S022109				2/21/09	1440	School	1			X	X			1014N
SU-COC022109				2/21/09	1440	Cell Tower Co-Located	1			X	X			11157

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 2/25/09
FED EX # 8689 2426 8767

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]	2/21/09 1500	Ryan Henry	2/25/09 0930				
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

H9B250187

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: Rick Jones and Nick Jannaggi

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 VOCs	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	TIC	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C022109	2/21/09	1500	1500	-29.5"Hg	-4.0"Hg	K300	1136	X					X						
SU-G022109	↓	↓	↓	-29.5"Hg	-4.0"Hg	K120	3271N	X					X						
SU-S022109				-29.5"Hg	-3.5"Hg	K445	1014N	X					X						
SU-COC022109				-29.5"Hg	-2.5"Hg	K133	11157	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 #7474, and #93008A; did not use.

Canisters Shipped by:	Date/Time: 2/24/09 1500	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:** H9B250187

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: 2/25/09

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: 03/11/09
Job Number: E09-01900
Date Received: 02/25/09
Date Analyzed: 03/10/09

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

Sample Name:	C022109-01A		C022109-02A		C022109-03A		Reporting
IAL ID:	E09-01900-11		E09-01900-12		E09-01900-13		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.0	4.3	0.38	1.9	0.60	2.4	0.1
Acetaldehyde	1.0	4.2	0.42	2.1	0.76	3.1	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	0.16	0.67	0.11	0.55	0.13	0.54	0.1
Crotonaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	0.48	2.0	0.20	1.0	0.24	0.97	0.1
Benzaldehyde	0.48	2.0	0.28	1.4	0.34	1.4	0.1
Isovaleraldehyde	< 0.6	< 2	< 0.6	< 3	< 0.6	< 2	0.6
Valeraldehyde	< 0.2	< 0.8	< 0.2	< 1	< 0.2	< 0.8	0.2
o-Tolualdehyde	< 0.2	< 0.8	< 0.2	< 1	< 0.2	< 0.8	0.2
m- and p-Tolualdehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Hexaldehyde	0.54	2.2	< 0.1	< 0.5	< 0.1	< 0.4	0.1

Sample Name:	G022109-01A		G022109-02A		G022109-03A		Reporting
IAL ID:	E09-01900-14		E09-01900-15		E09-01900-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.64	2.9	0.36	1.5	0.40	1.7	0.1
Acetaldehyde	1.5	6.8	0.58	2.4	0.78	3.3	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	0.22	0.99	0.11	0.45	0.12	0.52	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Butyraldehyde	0.32	1.4	0.11	0.45	< 0.1	< 0.4	0.1
Benzaldehyde	0.50	2.3	0.22	0.89	0.19	0.80	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 2	< 0.6	< 3	0.6

Valeraldehyde	< 0.2	< 0.9	< 0.2	< 0.8	< 0.2	< 0.8	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 0.2	< 0.8	< 0.2	< 0.8	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Hexaldehyde	0.92	4.1	< 0.1	< 0.4	0.46	1.9	0.1

Lawhon & Associates, Inc. Job Number: E09-01900
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S022109-01A		S022109-02A		S022109-03A		Reporting
IAL ID:	E09-01900-17		E09-01900-18		E09-01900-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.4	11	0.52	2.1	0.76	3.1	0.1
Acetaldehyde	1.3	10	0.52	2.1	0.76	3.1	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	0.30	2.3	0.14	0.56	0.15	0.59	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Butyraldehyde	0.78	5.9	0.24	0.98	0.30	1.2	0.1
Benzaldehyde	0.46	3.5	0.30	1.2	0.26	1.1	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 2	< 0.6	< 2	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.8	< 0.2	< 0.8	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.8	< 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	0.68	5.2	< 0.1	< 0.4	0.22	0.89	0.1

Sample Name:	022109A-A		Reporting
IAL ID:	E09-01900-20		Limits
Compound	ug	ug/m3	ug
Formaldehyde	0.11	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: 03/11/09
Job Number: E09-01900
Date Received: 02/25/09
Date Analyzed: 03/10/09

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
C022109-01H	E09-01900-01	< 0.6	< 4	< 0.4	< 2
C022109-02H	E09-01900-02	< 0.6	< 4	< 0.4	< 2
C022109-03H	E09-01900-03	< 0.6	< 4	< 0.4	< 2
G022109-01H	E09-01900-04	< 0.6	< 3	< 0.4	< 2
G022109-02H	E09-01900-05	< 0.6	< 4	< 0.4	< 2
G022109-03H	E09-01900-06	< 0.6	< 3	< 0.4	< 2
S022109-01H	E09-01900-07	< 0.6	< 4	< 0.4	< 3
S022109-02H	E09-01900-08	< 0.6	< 3	< 0.4	< 2
S022109-03H	E09-01900-09	< 0.6	< 4	< 0.4	< 2
022109A-H	E09-01900-10	< 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 #23

April 20, 2009

APPENDIX B. Laboratory Analytical Results from Event #108:
Sampling conducted Friday February 27 to Saturday February 28, 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 #: H9C040227

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

March 13, 2009

ANALYTICAL METHODS SUMMARY

H9C040227

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

H9C040227

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K72MQ	002	SU-G022709	02/27/09	
K72MT	003	SU-S022709	02/27/09	
K72MW	004	SU-W022709	02/27/09	
K72M1	005	SU-COS022709	02/27/09	
K72M4	007	SU-IBC022509	02/25/09	
K72M6	008	SU-IBG022509	02/25/09	
K72M8	009	SU-IBS022509	02/25/09	
K72M9	010	SU-IBW022509	02/25/09	
K72NA	011	SU-IBD022509	02/25/09	

NOTE(S):

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

PROJECT NARRATIVE
H9C040227

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

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

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

Sample Receipt

The containers for all samples were received without a label.

Quality Control and Data Interpretation

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

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

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. The laboratory standard operating procedure allows up to four analytes in the calibration verification to be ≤40% difference from the initial calibration. The calibration verification analyzed on 03/05/09 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-G022709

GC/MS Volatiles

Lot-Sample #	H9C040227 - 002	Work Order #	K72MQ1AA	Matrix.....:	AIR

Date Sampled...:	02/27/2009	Date Received..:	03/04/2009
Prep Date.....:	03/05/2009	Analysis Date...	03/05/2009
Prep Batch #.....:	9065088		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**2.9**	**5.0**	**7.0**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.26**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.087**	**0.50**	**0.36**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.10**	**0.50**	**0.36**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.047**	**2.0**	**0.14**	**J**	**6.1**
Methylene chloride	**0.12**	**0.50**	**0.40**	**J B**	**1.7**
Benzene	**0.24**	**0.20**	**0.78**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.28**	**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	**0.080**	**0.20**	**0.61**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.12**	**0.20**	**0.59**	**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**	**0.46**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.25**	**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)	**0.29**	**1.0**	**0.86**	**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	**0.089**	**0.20**	**0.56**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G022709

GC/MS Volatiles

Lot-Sample # H9C040227 - 002 Work Order # K72MQ1AA 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	**0.66**	**0.50**	**1.4**	**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	**0.59**	**0.20**	**2.9**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

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-S022709

GC/MS Volatiles

Lot-Sample #	H9C040227 - 003	Work Order #	K72MT1AA	Matrix.....:	AIR

Date Sampled...:	02/27/2009	Date Received..:	03/04/2009
Prep Date.....:	03/05/2009	Analysis Date...	03/05/2009
Prep Batch #.....:	9065088		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**3.4**	**5.0**	**8.1**	**J**	**12**
Ethylbenzene	**0.074**	**0.20**	**0.32**	**J**	**0.87**
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.13**	**0.50**	**0.55**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.32**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.10**	**0.50**	**0.49**	**J**	**2.3**
tert-Butyl alcohol	**0.069**	**2.0**	**0.21**	**J**	**6.1**
Methylene chloride	**0.93**	**0.50**	**3.2**	**B**	**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	**0.57**	**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	**0.064**	**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	**0.074**	**0.20**	**0.32**	**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)	**0.29**	**1.0**	**0.85**	**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	**0.067**	**0.20**	**0.42**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S022709

GC/MS Volatiles

Lot-Sample # H9C040227 - 003 Work Order # K72MT1AA 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	**0.54**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.041**	**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	**0.49**	**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
Butane	7.3	ppb(v/v)
Butane, 2-methyl-	5.4	ppb(v/v)
Propane	2.2	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-W022709

GC/MS Volatiles

Lot-Sample #	H9C040227 - 004	Work Order #	K72MW1AA	Matrix.....:	AIR

Date Sampled...:	02/27/2009	Date Received..:	03/04/2009
Prep Date.....:	03/05/2009	Analysis Date...	03/05/2009
Prep Batch #.....:	9065088		
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	**2.5**	**5.0**	**6.0**	**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	**0.050**	**0.50**	**0.18**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.062**	**2.0**	**0.19**	**J**	**6.1**
Methylene chloride	**0.10**	**0.50**	**0.35**	**J B**	**1.7**
Benzene	**0.15**	**0.20**	**0.48**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	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	**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)	**0.30**	**1.0**	**0.89**	**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-W022709

GC/MS Volatiles

Lot-Sample # H9C040227 - 004 Work Order # K72MW1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Carbon tetrachloride	**0.066**	**0.20**	**0.41**	**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	**0.48**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Propane	1.5	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-COS022709

GC/MS Volatiles

Lot-Sample #	H9C040227 - 005	Work Order #	K72M11AA	Matrix.....:	AIR

Date Sampled...:	02/27/2009	Date Received..:	03/04/2009
Prep Date.....:	03/05/2009	Analysis Date...	03/05/2009
Prep Batch #.....:	9065088		
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	**2.0**	**5.0**	**4.8**	**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	**0.047**	**0.50**	**0.17**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.12**	**0.50**	**0.42**	**J B**	**1.7**
Benzene	**0.16**	**0.20**	**0.53**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	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	**0.068**	**0.20**	**0.52**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.22**	**1.0**	**0.66**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: SU-COS022709

GC/MS Volatiles

Lot-Sample # H9C040227 - 005 Work Order # K72M11AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Carbon tetrachloride	**0.066**	**0.20**	**0.42**	**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	**0.64**	**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	**0.48**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Propane	1.5	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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9C060000 - 088B	Work Order #	K75CM1AA	Matrix.....:	AIR
	02/27/2009	Date Received..:	03/04/2009		
Prep Date.....:	03/05/2009	Analysis Date...	03/05/2009		
Prep Batch #.....:	9065088				
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**	**0.20**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9C060000 - 088B Work Order # K75CM1AA 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

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 #	H9C060000 - 088C	**Work Order #**	K75CM1AC	**Matrix.....:**	AIR
	02/27/2009	**Date Received..:**	03/04/2009		
Prep Date.....:	03/05/2009	**Analysis Date...**	03/05/2009		
Prep Batch #.....:	9065088				
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	2.97	8.0	9.5	119	70 - 130
Toluene	2.50	2.39	9.4	9.0	96	70 - 130
Trichloroethene	2.50	2.56	13	14	102	70 - 130
Chlorobenzene	2.50	2.50	12	12	100	70 - 130
1,1-Dichloroethene	2.50	2.80	9.9	11	112	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

☒ **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

2175 Freeman Avenue
Cleveland, OH 44113
Phone: (216) 737-0100
Fax: (216) 737-0109

H9C040227

№ 8400

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 8951
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, 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	TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa #
* SU-C022709				2/27/09	0	Cell Tower	1				DO NOT Analyze				1143
SU-G022709				2/27/09	1440	Campground	1				X	X			93289
SU-S022709				2/27/09	1440	School	1				X	X			1128
SU-W022709				2/27/09	1440	Wetland	1				X	X			1405
SU-CS022709				2/27/09	1440	Co-located School	1				X	X			7467

REC. AT AMBIENT
CUSTODY SEALS INTACT
3 BOXES RH 3/4/09
FED EX # 8689 2426 8951
8929
8930

11 CANS / 11 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	3/3/09 1500	Ryan Henry	3/4/09 0945				
[signature]	3/5/09 800						

Comments:
*Cell Tower Summa had no power to solenoid and did not sample, no Analysis needed.

Distributor: White - File; Yellow - Lab

1129

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

H9C040227

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	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
X SU-C022709	2/27/09	1500	1500		28.0	K428	1143	Do Not Analyze											
SU-G022709	2/27/09	↓	↓	-29.5	0	K113	93289	X					X						
SU-S022709	2/27/09	↓	↓	-29.5	-2.5	K401	1128	X					X						
SU-W022709	2/27/09	↓	↓	-29.5	-3.0	K162	1405	X					X						
SU-COS022709	2/27/09	↓	↓	-29.5	-3.0	K277	7467	X					X						

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
X Cell Tower Summa had no power to solenoid and did not sample, No ANALYSIS needed.
Return can #1139, did not use.

Canisters Shipped by:	Date/Time: 3/3/09 / 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 3/3/09 / 0880	Received by:
Relinquished by:	Date/Time:	Received by:

H9C040227

№ 8402

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

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

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

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 8929 and 8689 2426 8929
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; Other AIR

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Tony Noxon

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis	Method	TOIS	VOC	TIC	BTEX	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-IBL022509	-			2/25/09	480	Cell Tower	1						X				1363B
SU-IBG022509	-			2/25/09	480	Campground	1						X				12446
SU-IBS022509	-			2/25/09	480	School	1						X				1534
SU-IBW022509	-			2/25/09	480	Wetland	1						X				2979
SU-IBD022509	-			2/25/09	480	DW of Construction zone	1			X	X						1372

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	3/3/09 1500	Ryan Henry	3/4/09 0945				
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

H9C040227

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: Tony Noxon

2 of 2 COCs

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

Sample Identification	Sample Date(s)	2/25/09 Time Start	2/25/09 Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOCs + TIC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	BTEX	Sample ETV/DP	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-IBC0225Ø9	2/25/09	711	1520	-28.5 "Hg	0	K116	13638						X						
SU-IBGØ225Ø9	↓	722	1531	-28.5 "Hg	-0.5 "Hg	K250	12446						X						
SU-IBSØ225Ø9		740	1555	-28.5 "Hg	0	K426	1834						X						
SU-IBWØ225Ø9		730	1541	-28.5 "Hg	-3.5 "Hg	K335	2979						X						
SU-IBDØ225Ø9	↓	825	1625	-28.5 "Hg	0	K353	1372	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: 3/3/09 / 1500	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:** HYC0H0227

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: 3/4/09

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: 03/18/09
Job Number: E09-02132
Date Received: 03/04/09
Date Analyzed: 03/17/09

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

Sample Name:	C022709-01A		C022709-02A		C022709-03A		Reporting
IAL ID:	E09-02132-14		E09-02132-15		E09-02132-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.76	3.5	0.32	1.8	0.48	2.2	0.1
Acetaldehyde	0.58	2.7	0.22	1.2	0.52	2.4	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	0.16	0.74	< 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	0.42	2.0	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Benzaldehyde	0.50	2.3	0.19	1.1	0.24	1.1	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	0.54	2.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1

Sample Name:	G022709-01A		G022709-02A		G022709-03A		Reporting
IAL ID:	E09-02132-17		E09-02132-18		E09-02132-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.42	2.1	0.22	1.0	0.34	1.6	0.1
Acetaldehyde	0.60	3.0	0.28	1.3	0.64	3.0	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	< 0.1	< 0.5	< 0.1	< 0.5	0.12	0.58	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	0.13	0.65	< 0.1	< 0.5	< 0.1	< 0.5	0.1

Benzaldehyde	0.30	1.5	0.12	0.53	0.30	1.4	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	0.60	3.0	0.42	1.9	< 0.1	< 0.5	0.1

Lawhon & Associates, Inc. Job Number: E09-02132
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S022709-01A		S022709-02A		S022709-03A		Reporting
IAL ID:	E09-02132-20		E09-02132-21		E09-02132-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.74	5.9	0.34	1.5	0.54	2.4	0.1
Acetaldehyde	0.50	4.0	0.22	1.0	0.44	2.0	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Propionaldehyde	0.13	1.1	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	0.46	3.7	0.11	0.49	< 0.1	< 0.4	0.1
Benzaldehyde	0.24	1.9	0.19	0.87	0.24	1.1	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Hexaldehyde	0.82	6.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1

Sample Name:	W022709-01A		W022709-02A		W022709-03A		Reporting
IAL ID:	E09-02132-23		E09-02132-24		E09-02132-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.40	1.9	0.22	1.1	0.30	1.8	0.1
Acetaldehyde	0.24	1.1	0.13	0.7	0.20	1.2	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	< 0.1	< 0.5	< 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	< 0.1	< 0.5	< 0.1	< 0.5	< 0.10	< 0.6	0.1
Benzaldehyde	0.30	1.4	0.13	0.68	0.11	0.65	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 4	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 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: E09-02132

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

Sample Name:	022709A-A		Reporting
IAL ID:	E09-02132-26		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: 03/26/09
Job Number: E09-02132
Date Received: 03/04/09
Date Analyzed: 03/26/09

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
C022709-01H	E09-02132-01	< 0.6	< 4	< 0.4	< 2
C022709-02H	E09-02132-02	< 0.6	< 4	< 0.4	< 2
C022709-03H	E09-02132-03	< 0.6	< 4	< 0.4	< 2
G022709-01H	E09-02132-04	< 0.6	< 3	< 0.4	< 2
G022709-02H	E09-02132-05	< 0.6	< 4	< 0.4	< 2
G022709-03H	E09-02132-06	< 0.6	< 3	< 0.4	< 2
S022709-01H	E09-02132-07	< 0.6	< 4	< 0.4	< 2
S022709-02H	E09-02132-08	< 0.6	< 3	< 0.4	< 2
S022709-03H	E09-02132-09	< 0.6	< 4	< 0.4	< 2
W022709-01H	E09-02132-10	< 0.6	< 4	< 0.4	< 2
W022709-02H	E09-02132-11	< 0.6	< 4	< 0.4	< 3
W022709-03H	E09-02132-12	< 0.6	< 4	< 0.4	< 2
022709A-H	E09-02132-13	< 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 #23

April 20, 2009

APPENDIX C. Laboratory Analytical Results from Event #109:
Sampling conducted Thursday March 5 to Friday March 6, 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 #: H9C110101

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

March 20, 2009

ANALYTICAL METHODS SUMMARY

H9C110101

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

H9C110101

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K8A67	001	SU-C030509	03/05/09	
K8A68	002	SU-G030509	03/05/09	
K8A69	003	SU-S030509	03/05/09	
K8A7A	004	SU-W030509	03/05/09	
K8A7C	005	SU-COG030509	03/05/09	

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
H9C110101

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

Custody seals were not present.

The containers for all samples were received without a label.

Quality Control and Data Interpretation

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

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

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-C030509

GC/MS Volatiles

Lot-Sample #	H9C110101 - 001	**Work Order #**	K8A671AA	**Matrix.....:**	AIR

Date Sampled...:	03/05/2009	**Date Received..:**	03/10/2009
Prep Date.....:	03/12/2009	**Analysis Date...**	03/12/2009
Prep Batch #.....:	9072097		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**2.9**	**5.0**	**6.9**	**J**	**12**
Ethylbenzene	**0.074**	**0.20**	**0.32**	**J**	**0.87**
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.085**	**0.50**	**0.35**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.093**	**0.50**	**0.33**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.052**	**0.50**	**0.24**	**J**	**2.3**
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.17**	**0.50**	**0.59**	**J**	**1.7**
Benzene	**0.19**	**0.20**	**0.59**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.044**	**0.20**	**0.30**	**J**	**1.4**
Tetrahydrofuran	**0.12**	**1.0**	**0.36**	**J**	**2.9**
Toluene	**0.15**	**0.20**	**0.55**	**J**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.079**	**0.20**	**0.61**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.090**	**0.20**	**0.44**	**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	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.36**	**1.0**	**1.1**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.10**	**0.20**	**0.63**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C030509

GC/MS Volatiles

Lot-Sample # H9C110101 - 001 Work Order # K8A671AA 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	**0.040**	**0.20**	**0.20**	**J**	**0.98**
Chloromethane	**0.64**	**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	**0.46**	**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
Propane	2.2	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-G030509

GC/MS Volatiles

Lot-Sample # H9C110101 - 002 **Work Order #** K8A681AA **Matrix.....:** AIR

Date Sampled...: 03/05/2009 **Date Received..:** 03/10/2009
Prep Date.....: 03/12/2009 **Analysis Date...** 03/12/2009
Prep Batch #.....: 9072097
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	**3.5**	**5.0**	**8.3**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.12**	**0.50**	**0.51**	**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	**0.074**	**2.0**	**0.22**	**J**	**6.1**
Methylene chloride	**0.17**	**0.50**	**0.58**	**J**	**1.7**
Benzene	**0.21**	**0.20**	**0.67**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.18**	**0.20**	**0.67**	**J**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	**0.035**	**0.20**	**0.19**	**J**	**1.1**
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.074**	**0.20**	**0.57**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.12**	**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)	**0.45**	**1.0**	**1.3**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.11**	**0.20**	**0.66**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G030509

GC/MS Volatiles

Lot-Sample # H9C110101 - 002 **Work Order #** K8A681AA **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	**0.73**	**0.50**	**1.5**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.47**	**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	2.1	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-S030509

GC/MS Volatiles

Lot-Sample #	H9C110101 - 003	**Work Order #**	K8A691AA	**Matrix.....:**	AIR

Date Sampled...:	03/05/2009	**Date Received..:**	03/10/2009
Prep Date.....:	03/12/2009	**Analysis Date...**	03/12/2009
Prep Batch #.....:	9072097		
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	**15**	**5.0**	**36**		**12**
Ethylbenzene	**0.52**	**0.20**	**2.3**		**0.87**
Trichlorofluoromethane	**0.28**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.69**	**0.50**	**2.8**		**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**1.8**	**0.50**	**6.2**		**1.8**
2,2,4-Trimethylpentane	**0.39**	**0.50**	**1.8**	**J**	**2.3**
tert-Butyl alcohol	**0.14**	**2.0**	**0.42**	**J**	**6.1**
Methylene chloride	**0.54**	**0.50**	**1.9**		**1.7**
Benzene	**0.86**	**0.20**	**2.7**		**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	**0.32**	**1.0**	**0.94**	**J**	**2.9**
Toluene	**2.5**	**0.20**	**9.4**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	**0.040**	**0.20**	**0.22**	**J**	**1.1**
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.076**	**0.20**	**0.59**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.23**	**0.20**	**1.1**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.52**	**0.20**	**2.3**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**1.5**	**0.20**	**6.7**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.0**	**1.0**	**3.0**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.15**	**0.50**	**0.63**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.093**	**0.40**	**0.46**	**J**	**2.0**
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.097**	**0.20**	**0.61**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S030509

GC/MS Volatiles

Lot-Sample # H9C110101 - 003 **Work Order #** K8A691AA **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	**0.47**	**0.50**	**1.6**	**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	**1.0**	**0.20**	**5.0**		**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
Butane	4.0	ppb(v/v)
Butane, 2-methyl-	9.2	ppb(v/v)
Ethyl alcohol	5.8	ppb(v/v)
Pentane	5.4	ppb(v/v)
Propane	9.0	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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-W030509

GC/MS Volatiles

Lot-Sample # H9C110101 - 004 **Work Order #** K8A7A1AA **Matrix.....:** AIR

Date Sampled...: 03/05/2009 **Date Received..:** 03/10/2009
Prep Date.....: 03/12/2009 **Analysis Date...** 03/12/2009
Prep Batch #.....: 9072097
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**5.7**	**5.0**	**14**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.098**	**0.50**	**0.35**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.13**	**2.0**	**0.39**	**J**	**6.1**
Methylene chloride	**0.15**	**0.50**	**0.51**	**J**	**1.7**
Benzene	**0.19**	**0.20**	**0.61**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.17**	**0.20**	**0.63**	**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	**0.086**	**0.20**	**0.66**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.097**	**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	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)	**0.86**	**1.0**	**2.5**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.063**	**0.50**	**0.26**	**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	**0.14**	**0.20**	**0.90**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W030509

GC/MS Volatiles

Lot-Sample # H9C110101 - 004 Work Order # K8A7A1AA 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	**0.047**	**0.20**	**0.23**	**J**	**0.98**
Chloromethane	**0.88**	**0.50**	**1.8**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.50**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Propane	2.2	ppb(v/v)

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

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-COG030509

GC/MS Volatiles

Lot-Sample #	H9C110101 - 005	Work Order #	K8A7C1AA	Matrix.....:	AIR

Date Sampled...:	03/05/2009	Date Received..:	03/10/2009
Prep Date.....:	03/12/2009	Analysis Date...	03/13/2009
Prep Batch #.....:	9072097		
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	**5.5**	**5.0**	**13**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.24**	**0.20**	**1.4**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.19**	**0.50**	**0.67**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.073**	**2.0**	**0.22**	**J**	**6.1**
Methylene chloride	**0.38**	**0.50**	**1.3**	**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	**0.081**	**1.0**	**0.24**	**J**	**2.9**
Toluene	**0.25**	**0.20**	**0.93**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	**0.043**	**0.20**	**0.24**	**J**	**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	**0.053**	**0.20**	**0.40**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.14**	**0.20**	**0.61**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.71**	**1.0**	**2.1**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.10**	**0.20**	**0.65**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COG030509

GC/MS Volatiles

Lot-Sample # H9C110101 - 005 Work Order # K8A7C1AA 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	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	102	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 #	H9C130000 - 097B	**Work Order #**	K8GF41AA	**Matrix.....:**	AIR
	03/05/2009	**Date Received..:**	03/10/2009		
Prep Date.....:	03/12/2009	**Analysis Date...**	03/12/2009		
Prep Batch #.....:	9072097				
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 # H9C130000 - 097B Work Order # K8GF41AA 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	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)

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H9C130000 - 097C	Work Order #	K8GF41AC	Matrix.....:	AIR
	03/05/2009	Date Received..:	03/10/2009		
Prep Date.....:	03/12/2009	Analysis Date...	03/12/2009		
Prep Batch #.....:	9072097				
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	2.27	8.0	7.3	91	70 - 130
Toluene	2.50	2.52	9.4	9.5	101	70 - 130
Trichloroethene	2.50	2.44	13	13	98	70 - 130
Chlorobenzene	2.50	2.37	12	11	95	70 - 130
1,1-Dichloroethene	2.50	2.36	9.9	9.4	95	70 - 130

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

H9C110101

№ 8404

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

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

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

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 9134
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature: [signature]

Sample I.D. No.	Type	Type	Type	Date	Time min	Sample Location	Number of Containers	Turn Around/Requirements	Method TO15 Analysis VOC	TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-CO30509				3/5/09	1440	Cell Tower	1		X	X			04391
SU-GO30509				3/5/09	1440	Campground	1		X	X			12303
SU-SO30509				3/5/09	1440	School	1		X	X			1492
SU-WO30509				3/5/09	1440	Wetland	1		X	X			1367
SU-COG030509				3/5/09	1440	Campground	1		X	X			6392

REC. AT AMBIENT
NO CUSTODY SEAL
1 BOX RH 3/10/09
FED EX # 8689 2426 9134
6 CANS / 6 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	3/9/09 1500	Ryan Henry	3/10/09 0930				
[signature]	3/8/09 1600						

Comments:

Distributor: White - File; Yellow - Lab

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

49C11D101

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: 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-C030509	3/5/09	1500	1500	-29.0 "Hg	-5.0 "Hg	K167	04391	X					X						
SU-G030509	↓	↓	↓	-29.0 "Hg	-5.0 "Hg	K314	12303	X					X						
SU-S030509	↓	↓	↓	-28.0 "Hg	-0.0 "Hg	K458	1492	X					X						
SU-W030509	↓	↓	↓	-29.0 "Hg	-5.0 "Hg	K188	1367	X					X						
SU-CDG030509	↓	↓	↓	-28.0 "Hg	-4.0 "Hg	K144	6392	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 # 04191 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:** H9C110101

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:	4a 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: 3/10/09

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: 03/30/09
Job Number: E09-02364
Date Received: 03/10/09
Date Analyzed: 03/24/09

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

Sample Name:	C030509-01A		C030509-02A		C030509-03A		Reporting
IAL ID:	E09-02364-14		E09-02364-15		E09-02364-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	2.2	9.8	1.4	7.5	2.2	9.6	0.1
Acetaldehyde	2.8	12	1.3	6.9	3.0	13	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	0.52	2.3	0.30	1.6	0.48	2.1	0.1
Crotonaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	1.2	5.2	0.56	3.0	0.80	3.5	0.1
Benzaldehyde	1.2	5.2	0.80	4.3	1.2	5.4	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	1.9	8.4	1.0	5.4	1.5	6.6	0.1

Sample Name:	G030509-01A		G030509-02A		G030509-03A		Reporting
IAL ID:	E09-02364-17		E09-02364-18		E09-02364-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.3	6.3	1.1	4.6	1.1	5.0	0.1
Acetaldehyde	2.8	13	1.5	6.6	2.4	11	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	0.46	2.2	0.30	1.3	0.34	1.5	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.5	0.1
Butyraldehyde	0.62	2.9	0.38	1.6	0.38	1.7	0.1

Benzaldehyde	0.88	4.2	0.64	2.8	0.60	2.7	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 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	2.0	9.4	1.2	5.3	1.1	5.1	0.1

Lawhon & Associates, Inc. Job Number: E09-02364
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S030509-01A		S030509-02A		S030509-03A		Reporting
IAL ID:	E09-02364-20		E09-02364-21		E09-02364-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	2.2	17	1.9	8.3	2.8	12	0.1
Acetaldehyde	1.6	13	1.1	4.8	2.2	9.4	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	0.52	4.1	0.36	1.6	0.48	2.0	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Butyraldehyde	1.3	10	0.94	4.1	1.2	5.1	0.1
Benzaldehyde	0.92	7.3	1.3	5.7	1.5	6.3	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Hexaldehyde	1.4	11	1.0	4.4	1.5	6.5	0.1

Sample Name:	W030509-01A		W030509-02A		W030509-03A		Reporting
IAL ID:	E09-02364-23		E09-02364-24		E09-02364-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	2.2	10	1.6	7.6	2.2	13	0.1
Acetaldehyde	1.7	7.7	0.98	4.8	1.4	8.3	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	0.38	1.7	0.20	1.0	0.28	1.6	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Butyraldehyde	1.0	4.4	0.52	2.5	0.70	4.1	0.1
Benzaldehyde	0.88	4.0	0.68	3.3	0.78	4.5	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 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	1.3	6.0	0.66	3.2	0.68	3.9	0.1

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

Job Number: E09-02364

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

Sample Name:	030509A-A		Reporting
IAL ID:	E09-02364-26		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: 03/30/09
Job Number: E09-02364
Date Received: 03/10/09
Date Analyzed: 03/27/09

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
C030509-01H	E09-02364-01	< 0.6	< 4	< 0.4	< 3
C030509-02H	E09-02364-02	< 0.6	< 4	< 0.4	< 2
C030509-03H	E09-02364-03	< 0.6	< 4	< 0.4	< 3
G030509-01H	E09-02364-04	< 0.6	< 4	< 0.4	< 2
G030509-02H	E09-02364-05	< 0.6	< 4	< 0.4	< 2
G030509-03H	E09-02364-06	< 0.6	< 4	< 0.4	< 2
S030509-01H	E09-02364-07	< 0.6	< 4	< 0.4	< 3
S030509-02H	E09-02364-08	< 0.6	< 3	< 0.4	< 2
S030509-03H	E09-02364-09	< 0.6	< 4	< 0.4	< 2
W030509-01H	E09-02364-10	< 0.6	< 4	< 0.4	< 3
W030509-02H	E09-02364-11	< 0.6	< 5	< 0.4	< 3
W030509-03H	E09-02364-12	< 0.6	< 4	< 0.4	< 3
030509A-H	E09-02364-13	< 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 #23

April 20, 2009

APPENDIX D. Laboratory Analytical Results from Event #110:
Sampling conducted Wednesday March 11 to Thursday March 12, 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 #: H9C170170

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

March 26, 2009

ANALYTICAL METHODS SUMMARY

H9C170170

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

H9C170170

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K8MMN	001	SU-C031109	03/11/09	
K8MMW	002	SU-G031109	03/11/09	
K8MM1	003	SU-S031109	03/11/09	
K8MM4	004	SU-COC031109	03/11/09	

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
H9C170170

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

Custody seals were not present.

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-C031109

GC/MS Volatiles

Lot-Sample # H9C170170 - 001 **Work Order #** K8MMN1AA **Matrix.....:** AIR

Date Sampled...: 03/11/2009 **Date Received..:** 03/17/2009
Prep Date.....: 03/19/2009 **Analysis Date...** 03/19/2009
Prep Batch #.....: 9079235
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	**2.3**	**5.0**	**5.5**	**J B**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.27**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.070**	**0.50**	**0.29**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.11**	**0.50**	**0.37**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.039**	**2.0**	**0.12**	**J**	**6.1**
Methylene chloride	**0.22**	**0.50**	**0.78**	**J**	**1.7**
Benzene	**0.17**	**0.20**	**0.55**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.13**	**0.20**	**0.50**	**J**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.079**	**0.20**	**0.60**	**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)	**0.30**	**1.0**	**0.88**	**J B**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.11**	**0.20**	**0.69**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C031109

GC/MS Volatiles

Lot-Sample # H9C170170 - 001 Work Order # K8MMN1AA 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	**0.87**	**0.50**	**1.8**	**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	1.3	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	108	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-G031109

GC/MS Volatiles

Lot-Sample #	H9C170170 - 002	**Work Order #**	K8MMW1AA	**Matrix.....:**	AIR

Date Sampled...:	03/11/2009	**Date Received..:**	03/17/2009
Prep Date.....:	03/19/2009	**Analysis Date...**	03/19/2009
Prep Batch #.....:	9079235		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**1.7**	**5.0**	**4.1**	**J B**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.26**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.070**	**0.50**	**0.29**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.072**	**0.50**	**0.25**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.041**	**2.0**	**0.12**	**J**	**6.1**
Methylene chloride	**0.13**	**0.50**	**0.46**	**J**	**1.7**
Benzene	**0.18**	**0.20**	**0.58**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.096**	**0.20**	**0.36**	**J**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.076**	**0.20**	**0.58**	**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)	**0.23**	**1.0**	**0.66**	**J B**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.12**	**0.20**	**0.76**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G031109

GC/MS Volatiles

Lot-Sample # H9C170170 - 002 **Work Order #** K8MMW1AA **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	**0.64**	**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	**0.52**	**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	1.4	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	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-S031109

GC/MS Volatiles

Lot-Sample # H9C170170 - 003 **Work Order #** K8MM11AA **Matrix.....:** AIR

Date Sampled...: 03/11/2009 **Date Received..:** 03/17/2009
Prep Date.....: 03/19/2009 **Analysis Date...** 03/19/2009
Prep Batch #.....: 9079235
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**2.7**	**5.0**	**6.4**	**J B**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.26**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.090**	**0.50**	**0.37**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.094**	**0.50**	**0.33**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.055**	**2.0**	**0.17**	**J**	**6.1**
Methylene chloride	**0.14**	**0.50**	**0.50**	**J**	**1.7**
Benzene	**0.19**	**0.20**	**0.60**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.13**	**0.20**	**0.51**	**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	**0.083**	**0.20**	**0.64**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.40**	**1.0**	**1.2**	**J B**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.10**	**0.20**	**0.65**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S031109

GC/MS Volatiles

Lot-Sample # H9C170170 - 003 **Work Order #** K8MM11AA **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	**0.68**	**0.50**	**1.4**	**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
Propane	1.3	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	107	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-COC031109

GC/MS Volatiles

Lot-Sample # H9C170170 - 004 **Work Order #** K8MM41AA **Matrix.....:** AIR

Date Sampled...: 03/11/2009 **Date Received..:** 03/17/2009
Prep Date.....: 03/19/2009 **Analysis Date...** 03/19/2009
Prep Batch #.....: 9079235
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	**0.26**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.061**	**0.50**	**0.25**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.087**	**0.50**	**0.31**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.16**	**0.50**	**0.57**	**J**	**1.7**
Benzene	**0.16**	**0.20**	**0.52**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.12**	**0.20**	**0.46**	**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	**0.070**	**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)	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-COC031109

GC/MS Volatiles

Lot-Sample # H9C170170 - 004 Work Order # K8MM41AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Carbon tetrachloride	**0.11**	**0.20**	**0.67**	**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	**0.64**	**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	**0.52**	**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	1.2	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	111	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 # H9C200000 - 235B **Work Order #** K8V161AA **Matrix.....:** AIR

	03/11/2009	**Date Received..:**	03/17/2009
Prep Date.....:	03/19/2009	**Analysis Date...**	03/19/2009
Prep Batch #.....:	9079235		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**1.7**	**5.0**	**3.9**	**J**	**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)	**0.20**	**1.0**	**0.58**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9C200000 - 235B Work Order # K8V161AA 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	111	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 #	H9C200000 - 235C	Work Order #	K8V161AC	Matrix.....:	AIR
	03/11/2009	Date Received..:	03/17/2009		
Prep Date.....:	03/19/2009	Analysis Date...	03/19/2009		
Prep Batch #.....:	9079235				
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	1.00	0.727	3.2	2.3	73	70 - 130
Toluene	1.00	0.731	3.8	2.8	73	70 - 130
Trichloroethene	1.00	0.812	5.4	4.4	81	70 - 130
Chlorobenzene	1.00	0.769	4.6	3.5	77	70 - 130
1,1-Dichloroethene	1.00	0.823	4.0	3.3	82	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	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 DUPLICATE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H9C170170 Work Order #...: K8MM41AA -SMP Matrix.....: AIR
SD Lot-Sample #: H9C170170-004 K8MM41AC -DUP
Date Sampled...: 03/11/09 Date Received..: 03/17/09
Prep Date.....: 03/19/09 Analysis Date..: 03/19/09
Prep Batch #...: 9079235
Dilution Factor: 1

PARAMETER	SAMPLE RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD
Benzene	0.16 J	0.17 J	ppb(v/v)	1.4	(0-25)	EPA-2 TO-15
Chlorobenzene	ND	ND	ppb(v/v)	0	(0-25)	EPA-2 TO-15
1,1-Dichloroethene	ND	ND	ppb(v/v)	0	(0-25)	EPA-2 TO-15
Tetrahydrofuran	ND	ND	ppb(v/v)	0	(0-0.0)	EPA-2 TO-15
Toluene	0.12 J	0.13 J	ppb(v/v)	9.1	(0-25)	EPA-2 TO-15
Trichloroethene	ND	ND	ppb(v/v)	0	(0-25)	EPA-2 TO-15

SURROGATE RECOVERY	SAMPLE % RECOVERY	DUPLICATE % RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	111	105	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Lawhon & Associates, Inc.

Client Sample ID: SU-COC031109 DUP

GC/MS Volatiles

Lot-Sample #...:	H9C170170-004	Work Order #...:	K8MM41AC	Matrix.....:	AIR
Date Sampled...:	03/11/09	Date Received..:	03/17/09		
Prep Date.....:	03/19/09	Analysis Date..:	03/19/09		
Prep Batch #...:	9079235				
Dilution Factor:	1	Method.....:	EPA-2 TO-15		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	0.17 J	0.20	ppb(v/v)
Chlorobenzene	ND	0.20	ppb(v/v)
1,1-Dichloroethene	ND	0.20	ppb(v/v)
Tetrahydrofuran	ND	1.0	ppb(v/v)
Toluene	0.13 J	0.20	ppb(v/v)
Trichloroethene	ND	0.20	ppb(v/v)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	105	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

Lawhon & Associates, Inc.

SU-COC031109

GC/MS Volatiles

Lot-Sample #: H9C170170-004 Work Order #: K8MM41AA Matrix: AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Propane	74-98-6	1.2 NJ	M	4.0155	ppb(v/v)

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

Sample Receipt Documentation

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

H9C170170

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) TPH	Sample Type Soil Gas	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C031109	3/11/09	15:00	15:00	-29.5	-4.0	K120	6669	X					X						
SU-G031109	↓	↓	↓	-29.5	0	K465	6375	X					X						
SU-S031109				-29.5	-4.0	K201	1374	X					X						
SU-COC031109				-28.5	0	K115	4497N	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 1362N + 12579 ; did not use.

Canisters Shipped by:	Date/Time: 3/16/09 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 3/13/09 1600	Received by:
Relinquished by:	Date/Time:	Received by:

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

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

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

H9C170170

№ 8407

Sent To: IAL (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 9535
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	Time Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis	Method	VOC	TO-15 TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SV-C031109				3/11/09	1440	Cell Tower	1				X	X			6669
SV-G031109				3/11/09	1440	Campground	1				X	X			6375
SV-S031109				3/11/09	1440	School	1				X	X			1374
SV-COC031109				3/11/09	1440	Co-located Cell Tower	1				X	X			4497N

REC. AT AMBIENT
NO CUSTODY SEAL
1 BOX RH 3/17/09
FED EX #8689 2426 9535
6 CANS / 6 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	3/16/09 1500						
[signature]	3/13/09 1600	Ryan Henry	3/17/09 0945				

Comments:

Distributor: White - File; Yellow - Lab

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9617017O

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:	4a
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐2a Temp Blank = _____ ☐2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☑4a Not present ☐4b Not intact ☐4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐5a Samples received-not on COC ☐5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐6a Leaking ☐6b Broken	
7. Were VOA samples received without headspace?			✓	☐7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐13a Leaking ☐13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 3/17/09

QA026R19.doc, 080707

Summary of Results

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

Report Date: 04/02/09
Job Number: E09-02691
Date Received: 03/17/09
Date Analyzed: 03/26/09

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

Sample Name:	C031109-01A		C031109-02A		C031109-03A		Reporting
IAL ID:	E09-02691-11		E09-02691-12		E09-02691-13		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.70	3.3	0.32	1.8	0.42	1.9	0.1
Acetaldehyde	1.1	5.3	0.46	2.6	0.72	3.3	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	0.20	0.92	< 0.1	< 0.6	0.13	0.62	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Butyraldehyde	0.40	1.9	< 0.1	< 0.6	0.14	0.63	0.1
Benzaldehyde	0.56	2.6	0.18	1.0	0.30	1.4	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	0.96	4.5	< 0.1	< 0.6	0.24	1.1	0.1

Sample Name:	G031109-01A*		G031109-02A		G031109-03A		Reporting
IAL ID:	E09-02691-14		E09-02691-15		E09-02691-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.69	3.4	0.36	1.6	0.40	1.9	0.1
Acetaldehyde	1.5	7.5	0.56	2.5	0.72	3.4	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	0.22	1.1	0.10	0.45	0.14	0.67	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.5	0.1
Butyraldehyde	0.26	1.3	< 0.1	< 0.4	< 0.1	< 0.5	0.1
Benzaldehyde	0.34	1.7	0.17	0.74	0.20	0.9	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	0.92	4.5	0.19	0.86	0.30	1.4	0.1

Lawhon & Associates, Inc. Job Number: E09-02691
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S031109-01A		S031109-02A		S031109-03A		Reporting
IAL ID:	E09-02691-17		E09-02691-18		E09-02691-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.76	6.1	0.38	1.7	0.44	2.0	0.1
Acetaldehyde	0.90	7.2	0.44	2.0	0.60	2.7	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Propionaldehyde	0.18	1.5	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	0.48	3.8	0.19	0.87	0.13	0.57	0.1
Benzaldehyde	0.42	3.4	0.42	1.9	0.24	1.1	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Hexaldehyde	0.90	7.2	0.18	0.80	< 0.1	< 0.4	0.1

Sample Name:	031109A-A		Reporting
IAL ID:	E09-2691-20		Limits
Compound	ug	ug/m3	ug
Formaldehyde	< 0.1	N/A	0.1
Acetaldehyde	< 0.1	N/A	0.1
Acetone	< 0.1	N/A	0.1
Acrolein	< 0.1	N/A	0.1

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

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

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

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: J.Walukiewicz

Summary of Results

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

Report Date: 04/02/09
Job Number: E09-02691
Date Received: 03/17/09
Date Analyzed: 04/02/09

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
C031109-01H	E09-02691-01	< 0.6	< 4	< 0.4	< 2
C031109-02H	E09-02691-02	< 0.6	< 4	< 0.4	< 2
C031109-03H	E09-02691-03	< 0.6	< 4	< 0.4	< 2
G031109-01H	E09-02691-04	< 0.6	< 3	< 0.4	< 2
G031109-02H	E09-02691-05	< 0.6	< 3	< 0.4	< 2
G031109-03H	E09-02691-06	< 0.6	< 3	< 0.4	< 2
S031109-01H	E09-02691-07	< 0.6	< 4	< 0.4	< 2
S031109-02H	E09-02691-08	< 0.6	< 3	< 0.4	< 2
S031109-03H	E09-02691-09	< 0.6	< 4	< 0.4	< 2
031109A-H	E09-02691-10	< 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 #23

April 20, 2009

APPENDIX E. Laboratory Analytical Results from Event #111:
Sampling conducted Tuesday March 17 to Wednesday March 18, 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 #: H9C200181

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

March 30, 2009

ANALYTICAL METHODS SUMMARY

H9C200181

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

H9C200181

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K8WAH	001	SU-C031709	03/17/09	
K8WAL	002	SU-G031709	03/17/09	
K8WAM	003	SU-S031709	03/17/09	
K8WAN	004	SU-W031709	03/17/09	
K8WAP	005	SU-COW031709	03/17/09	

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
H9C200181

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

Custody seals were not present.

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-C031709

GC/MS Volatiles

Lot-Sample # H9C200181 - 001 Work Order # K8WAH1AA Matrix.....: AIR

Date Sampled...: 03/17/2009 Date Received..: 03/20/2009
Prep Date.....: 03/23/2009 Analysis Date... 03/23/2009
Prep Batch #.....: 9083192
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	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	**0.076**	**0.50**	**0.31**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.24**	**0.50**	**0.86**	**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	**0.16**	**0.50**	**0.57**	**J**	**1.7**
Benzene	**0.20**	**0.20**	**0.65**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.24**	**0.20**	**0.90**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.076**	**0.20**	**0.58**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.072**	**0.20**	**0.35**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	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)	**0.44**	**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	**0.091**	**0.50**	**0.28**	**J**	**1.6**
Carbon tetrachloride	**0.12**	**0.20**	**0.78**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C031709

GC/MS Volatiles

Lot-Sample # H9C200181 - 001 **Work Order #** K8WAH1AA **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	**0.073**	**0.20**	**0.35**	**J**	**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	**0.041**	**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	**0.45**	**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
Propane	1.7	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	92	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-G031709

GC/MS Volatiles

Lot-Sample #	H9C200181 - 002	**Work Order #**	K8WAL1AA	**Matrix.....:**	AIR

Date Sampled...:	03/17/2009	**Date Received..:**	03/20/2009
Prep Date.....:	03/23/2009	**Analysis Date...**	03/23/2009
Prep Batch #.....:	9083192		
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	**3.8**	**5.0**	**9.1**	**J**	**12**
Ethylbenzene	**0.070**	**0.20**	**0.31**	**J**	**0.87**
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.45**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.30**	**0.50**	**1.0**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.054**	**2.0**	**0.16**	**J**	**6.1**
Methylene chloride	**0.17**	**0.50**	**0.58**	**J**	**1.7**
Benzene	**0.43**	**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	**0.18**	**1.0**	**0.53**	**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	**0.076**	**0.20**	**0.58**	**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	**0.063**	**0.20**	**0.27**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.15**	**0.20**	**0.65**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.60**	**1.0**	**1.8**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	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	**0.044**	**0.50**	**0.14**	**J**	**1.6**
Carbon tetrachloride	**0.12**	**0.20**	**0.73**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G031709

GC/MS Volatiles

Lot-Sample # H9C200181 - 002 Work Order # K8WAL1AA 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	**0.059**	**0.20**	**0.29**	**J**	**0.98**
Chloromethane	**0.55**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.057**	**0.50**	**0.20**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.44**	**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
Propane	2.2	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-S031709

GC/MS Volatiles

Lot-Sample # H9C200181 - 003 **Work Order #** K8WAM1AA **Matrix.....:** AIR

Date Sampled...: 03/17/2009 **Date Received..:** 03/20/2009
Prep Date.....: 03/23/2009 **Analysis Date...** 03/23/2009
Prep Batch #.....: 9083192
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	**12**	**5.0**	**27**		**12**
Ethylbenzene	**0.12**	**0.20**	**0.52**	**J**	**0.87**
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.15**	**0.50**	**0.62**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.33**	**0.50**	**1.2**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.11**	**0.50**	**0.52**	**J**	**2.3**
tert-Butyl alcohol	**0.18**	**2.0**	**0.53**	**J**	**6.1**
Methylene chloride	**0.14**	**0.50**	**0.47**	**J**	**1.7**
Benzene	**0.30**	**0.20**	**0.94**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.70**	**0.20**	**2.6**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.069**	**0.20**	**0.53**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.20**	**0.20**	**0.99**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.15**	**0.20**	**0.64**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.38**	**0.20**	**1.6**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.9**	**1.0**	**5.7**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.10**	**0.50**	**0.42**	**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	**0.094**	**0.40**	**0.46**	**J**	**2.0**
Carbon disulfide	**0.074**	**0.50**	**0.23**	**J**	**1.6**
Carbon tetrachloride	**0.11**	**0.20**	**0.66**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S031709

GC/MS Volatiles

Lot-Sample # H9C200181 - 003 Work Order # K8WAM1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	**0.041**	**0.20**	**0.11**	**J**	**0.53**
Chloroform	**0.053**	**0.20**	**0.26**	**J**	**0.98**
Chloromethane	**0.57**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.074**	**0.50**	**0.26**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.46**	**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
Propane	3.1	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-W031709

GC/MS Volatiles

Lot-Sample #	H9C200181 - 004	**Work Order #**	K8WANIAA	**Matrix.....:**	AIR

Date Sampled...:	03/17/2009	**Date Received..:**	03/20/2009
Prep Date.....:	03/23/2009	**Analysis Date...**	03/23/2009
Prep Batch #.....:	9083192		
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	**8.8**	**5.0**	**21**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.091**	**0.50**	**0.37**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.30**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.12**	**2.0**	**0.35**	**J**	**6.1**
Methylene chloride	**0.31**	**0.50**	**1.1**	**J**	**1.7**
Benzene	**0.21**	**0.20**	**0.67**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.070**	**1.0**	**0.21**	**J**	**2.9**
Toluene	**0.33**	**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	**0.073**	**0.20**	**0.56**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.11**	**0.20**	**0.52**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.079**	**0.20**	**0.34**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.19**	**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)	**1.1**	**1.0**	**3.2**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.064**	**0.50**	**0.26**	**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	**0.069**	**0.40**	**0.34**	**J**	**2.0**
Carbon disulfide	**0.046**	**0.50**	**0.14**	**J**	**1.6**
Carbon tetrachloride	**0.089**	**0.20**	**0.56**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W031709

GC/MS Volatiles

Lot-Sample # H9C200181 - 004 **Work Order #** K8WAN1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.50**	**0.50**	**1.0**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	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	**0.46**	**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
Propane	4.0	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-COW031709

GC/MS Volatiles

Lot-Sample #	H9C200181 - 005	**Work Order #**	K8WAP1AA	**Matrix.....:**	AIR

Date Sampled...:	03/17/2009	**Date Received..:**	03/20/2009
Prep Date.....:	03/23/2009	**Analysis Date...**	03/23/2009
Prep Batch #.....:	9083192		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**5.7**	**5.0**	**14**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.059**	**0.50**	**0.21**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.59**	**0.50**	**2.1**		**1.7**
Benzene	**0.065**	**0.20**	**0.21**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	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	**0.054**	**0.20**	**0.42**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	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)	**0.34**	**1.0**	**0.99**	**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	**0.042**	**0.50**	**0.13**	**J**	**1.6**

Lawhon & Associates, Inc.

Client Sample ID: SU-COW031709

GC/MS Volatiles

Lot-Sample # H9C200181 - 005 **Work Order #** K8WAP1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Carbon tetrachloride	**0.056**	**0.20**	**0.36**	**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	**0.038**	**0.20**	**0.18**	**J**	**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	**0.45**	**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
Butane	2.9	ppb(v/v)
Propane	3.9	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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9C240000 - 192B **Work Order #** K82D51AA **Matrix.....:** AIR

	03/17/2009	**Date Received..:**	03/20/2009
Prep Date.....:	03/23/2009	**Analysis Date...**	03/23/2009
Prep Batch #.....:	9083192		
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 # H9C240000 - 192B **Work Order #** K82D51AA **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	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)

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H9C240000 - 192C	**Work Order #**	K82D51AC	**Matrix.....:**	AIR
	03/17/2009	**Date Received..:**	03/20/2009		
Prep Date.....:	03/23/2009	**Analysis Date...**	03/23/2009		
Prep Batch #.....:	9083192				
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	2.06	8.0	6.6	82	70 - 130
Toluene	2.50	2.16	9.4	8.2	87	70 - 130
Trichloroethene	2.50	2.18	13	12	87	70 - 130
Chlorobenzene	2.50	2.13	12	9.8	85	70 - 130
1,1-Dichloroethene	2.50	2.53	9.9	10	101	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

H9G200181

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

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

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

№ 8410

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 9465
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Nick Iannaggi

Signature: [signature]

Sample I.D. No.	Type	Type	Type	Date	Time (Min)	Sample Location	Number of Containers	Turn Around/Requirements	Analysis: VOC (Method TO-15)	Analysis: TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C031709				3/17/09	1440	Cell Tower	1		X	X			04741
SU-G031709				3/17/09	1440	Campground	1		X	X			1531
SU-S031709				3/17/09	1440	School	1		X	X			7508
SU-W031709				3/17/09	1440	Wetland	1		X	X			6631
SU-CDW031709				3/17/09	1440	Wetland Co-located	1		X	X			6651

NO CUSTODY SEALS
RECEIVED AT AMBIENT
TEMP 0/KD 3-20-09
TRACK FEDEX#
8689 2426 9465

6 CANS / 6 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	3/19/09 1500	[signature]	3-20-09 10:00				
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.

1190220181

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: Shawn Ansbro	Sampled By: Nick Iannaggi	2 of 2 COCs
Company: Lawhon & Associates, Inc.	Phone:		
Address: 975 Eastwind Dr., Suite 190	Site Contact:		
City/State/Zip Westerville, Ohio 43081	TAL Contact: Jamie McKinney		
Phone: (614) 818-5200			
FAX: (614) 818-5219			
Project Name: Countywide	Analysis Turnaround Time		
Site/location: Community	Standard (Specify) X		
PO # 07-0082	Rush (Specify)		

Sample Identification	Sample Date(s)	3/17/09 Time Start	3/18/09 Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 - VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	TIC	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C 031709	3/17/09	1500	1500	-29.0 "Hg	-4.5 "Hg	K360	04741	X					X						
SU-G 031709	↓	↓	↓	-29.0 "Hg	-5.0 "Hg	K336	1531	X					X						
SU-S 031709	↓	↓	↓	-29.0 "Hg	-5.0 "Hg	K213	7508	X					X						
SU-W 031709	↓	↓	↓	-29.0 "Hg	-5.0 "Hg	K239	6631	X					X						
SU-COW 031709	↓	↓	↓	-29.0 "Hg	-6.5 "Hg	K177	6651	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 # 1365 did not use

Canisters Shipped by:	Date/Time: 3/19/09 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 3/19/09 1500	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9C200181

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:	1B, MATCHED BY CAN IDS YA
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: [signature] Date: 3-20-09

QA026R19.doc, 080707

Summary of Results

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

Report Date: 04/08/09
Job Number: E09-02889
Date Received: 03/24/09
Date Analyzed: 04/07/09

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

Sample Name:	C031709-01A		C031709-02A		C031709-03A		Reporting
IAL ID:	E09-02889-14		E09-02889-15		E09-02889-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	2.6	11	1.1	5.8	2.2	9.5	0.1
Acetaldehyde	6.6	29	1.8	10	5.0	21	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	0.94	4.1	0.32	1.7	0.60	2.6	0.1
Crotonaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	1.3	5.7	0.42	2.3	0.80	3.4	0.1
Benzaldehyde	1.3	5.6	0.50	2.7	1.0	4.2	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	2.4	11	0.9	4.9	1.6	7.0	0.1

Sample Name:	G031709-01A*		G031709-02A*		G031709-03A*		Reporting
IAL ID:	E09-02889-17		E09-02889-18		E09-02889-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.12	0.58	0.12	0.51	0.12	0.73	0.1
Acetaldehyde	0.19	0.89	0.11	0.48	0.10	0.60	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.6	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.6	0.1
Propionaldehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.6	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.6	0.1
Butyraldehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.6	0.1

Benzaldehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.6	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 4	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 0.9	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 0.2	< 0.9	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.4	< 0.1	< 0.6	0.1
Hexaldehyde	< 0.1	0.5	< 0.1	< 0.4	< 0.1	< 0.6	0.1

Lawhon & Associates, Inc. Job Number: E09-02889
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S031709-01A		S031709-02A**		S031709-03A		Reporting
IAL ID:	E09-02889-20		E09-02889-21		E09-02889-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	2.8	23	1.0	4.4	2.2	9.4	0.1
Acetaldehyde	5.2	43	1.6	7.1	4.6	20	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	0.74	6.1	0.30	1.3	0.60	2.6	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Butyraldehyde	1.3	11	0.40	1.7	0.92	3.9	0.1
Benzaldehyde	0.96	7.9	0.74	3.2	1.2	5.1	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Hexaldehyde	1.7	14	0.58	2.5	1.5	6.4	0.1

Sample Name:	W031709-01A		W031709-02A		W031709-03A		Reporting
IAL ID:	E09-02889-23		E09-02889-24		E09-02889-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	3.4	15	0.68	3.2	2.8	16	0.1
Acetaldehyde	3.6	16	0.82	3.8	3.0	17	0.1
Acetone	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Acrolein	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.6	0.1

Propionaldehyde	0.72	3.2	0.22	1.0	0.46	2.6	0.1
Crotonaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Butyraldehyde	1.9	8.3	0.38	1.8	1.5	8.4	0.1
Benzaldehyde	1.4	6.3	0.44	2.0	1.3	7.2	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 0.9	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 0.2	< 0.9	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Hexaldehyde	1.8	8.2	0.44	2.0	1.2	7.1	0.1

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

Job Number: E09-02889

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

Sample Name:	031709A-A		Reporting
IAL ID:	E09-02889-26		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

* According to the client, the values for the campground samples (E09-02889-17 through E09-02889-19) are estimations because the pump did not run steadily. The pump turned off and on repeatedly.
**Denotes breakthrough from the front to the back of the sorbent tube for Acetaldehyde.

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

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: J.Walukiewicz

Summary of Results

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

Report Date: 04/08/09
Job Number: E09-02889
Date Received: 03/24/09
Date Analyzed: 04/07/09

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
C031709-01H	E09-02889-01	< 0.6	< 4	< 0.4	< 3
C031709-02H	E09-02889-02	< 0.6	< 4	< 0.4	< 3
C031709-03H	E09-02889-03	< 0.6	< 4	< 0.4	< 3
G031709-01H*	E09-02889-04	< 0.6	< 4	< 0.4	< 2
G031709-02H*	E09-02889-05	< 0.6	< 4	< 0.4	< 2
G031709-03H*	E09-02889-06	< 0.6	< 5	< 0.4	< 3
S031709-01H	E09-02889-07	< 0.6	< 4	< 0.4	< 3
S031709-02H	E09-02889-08	< 0.6	< 4	< 0.4	< 2
S031709-03H	E09-02889-09	< 0.6	< 4	< 0.4	< 3
W031709-01H	E09-02889-10	< 0.6	< 3	< 0.4	< 2
W031709-02H	E09-02889-11	< 0.6	< 3	< 0.4	< 2
W031709-03H	E09-02889-12	< 0.6	< 4	< 0.4	< 2
031709A-H	E09-02889-13	0.68	N/A	< 0.4	N/A
Reporting Limit		0.6		0.4	

* According to the client, sample volumes on the campground samples (E09-02889-04 through E09-02889-06) are estimates because the pump did not run steadily. The pump turned off and on repeatedly.

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 #23

April 20, 2009

APPENDIX F. Laboratory Analytical Results from Supplemental Isolation Break Monitoring Event #7:
Sampling Conducted Wednesday February 25, 2009

Test America Laboratories: EPA Method TO-15 (BTEX)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 07-0082-SA2

Countywide

Lot #: H9C040227

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

March 13, 2009

ANALYTICAL METHODS SUMMARY

H9C040227

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

H9C040227

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K72MQ	002	SU-G022709	02/27/09	
K72MT	003	SU-S022709	02/27/09	
K72MW	004	SU-W022709	02/27/09	
K72M1	005	SU-COS022709	02/27/09	
K72M4	007	SU-IBC022509	02/25/09	
K72M6	008	SU-IBG022509	02/25/09	
K72M8	009	SU-IBS022509	02/25/09	
K72M9	010	SU-IBW022509	02/25/09	
K72NA	011	SU-IBD022509	02/25/09	

NOTE(S):

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

PROJECT NARRATIVE
H9C040227

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

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

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

Sample Receipt

The containers for all samples were received without a label.

Quality Control and Data Interpretation

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

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

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. The laboratory standard operating procedure allows up to four analytes in the calibration verification to be ≤40% difference from the initial calibration. The calibration verification analyzed on 03/05/09 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-IBC022509

GC/MS Volatiles

Lot-Sample #	H9C040227 - 007	Work Order #	K72M41AA	Matrix.....:	AIR

Date Sampled...:	02/25/2009	Date Received..:	03/04/2009
Prep Date.....:	03/05/2009	Analysis Date...	03/05/2009
Prep Batch #.....:	9065088		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Ethylbenzene	0.11	0.20	0.50	J	0.87
Benzene	0.27	0.20	0.87		0.64
Toluene	0.17	0.20	0.65	J	0.75
o-Xylene	0.15	0.20	0.65	J	0.87
m-Xylene & p-Xylene	0.42	0.20	1.8		0.87

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-IBG022509

GC/MS Volatiles

Lot-Sample #	H9C040227 - 008	Work Order #	K72M61AA	Matrix.....:	AIR

Date Sampled...:	02/25/2009	Date Received..:	03/04/2009
Prep Date.....:	03/05/2009	Analysis Date...	03/05/2009
Prep Batch #.....:	9065088		
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	0.26	0.20	0.84	0.64
Toluene	0.20	0.20	0.76	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)

Lawhon & Associates, Inc.

Client Sample ID: SU-IBS022509

GC/MS Volatiles

Lot-Sample #	H9C040227 - 009	Work Order #	K72M81AA	Matrix.....:	AIR

Date Sampled...:	02/25/2009	Date Received..:	03/04/2009
Prep Date.....:	03/05/2009	Analysis Date...	03/05/2009
Prep Batch #.....:	9065088		
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	0.27	0.20	0.85		0.64
Toluene	0.18	0.20	0.69	J	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

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-IBW022509

GC/MS Volatiles

Lot-Sample #	H9C040227 - 010	Work Order #	K72M91AA	Matrix.....:	AIR

Date Sampled...:	02/25/2009	Date Received..:	03/04/2009
Prep Date.....:	03/05/2009	Analysis Date...	03/05/2009
Prep Batch #.....:	9065088		
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	0.24	0.20	0.76		0.64
Toluene	0.13	0.20	0.48	J	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

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 #	H9C060000 - 088B	Work Order #	K75CM1AA	Matrix.....:	AIR
	02/27/2009	Date Received..:	03/04/2009		
Prep Date.....:	03/05/2009	Analysis Date...	03/05/2009		
Prep Batch #.....:	9065088				
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**	**0.20**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9C060000 - 088B Work Order # K75CM1AA 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

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 #	H9C060000 - 088C	**Work Order #**	K75CM1AC	**Matrix.....:**	AIR
	02/27/2009	**Date Received..:**	03/04/2009		
Prep Date.....:	03/05/2009	**Analysis Date...**	03/05/2009		
Prep Batch #.....:	9065088				
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	2.97	8.0	9.5	119	70 - 130
Toluene	2.50	2.39	9.4	9.0	96	70 - 130
Trichloroethene	2.50	2.56	13	14	102	70 - 130
Chlorobenzene	2.50	2.50	12	12	100	70 - 130
1,1-Dichloroethene	2.50	2.80	9.9	11	112	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

☒ 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

2175 Freemon Avenue
Cleveland, OH 44113
Phone: (216) 737-0700
Fax: (216) 737-0109

H9C040227

№ 8400

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 8951
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, 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	Expected Conc. (H,M,L)	Hold	Remarks: Summa #
* SU-C022709				2/27/09	0	Cell Tower	1			DO NOT Analyze			1143
SU-G022709				2/27/09	1440	Campground	1		TO15	VOC X			93289
SU-S022709				2/27/09	1440	School	1			TIC X			1128
SU-W022709				2/27/09	1440	Wetland	1			X			1405
SU-CS022709				2/27/09	1440	Co-Located School	1			X			7467

REC. AT AMBIENT
CUSTODY SEALS INTACT
3 BOXES RH 3/4/09
FED EX # 8689 2426 8951
8929
8930

N CANS / 11 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	3/3/09 1500	Ryan Henry	3/4/09 0945				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	3/5/09 800						

Comments:
*Cell Tower Summa had no power to solenoid and did not sample, no Analysis needed.

Distributor: White - File; Yellow - Lab

1129

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

H9C040027

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	Sample Type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
X SU-C022709	2/27/09	1500	1500		28.0	K428	1143	Do Not Analyze										
SU-G022709	2/27/09	↓	↓	-29.5	0	K113	93289	X					X					
SU-S022709	2/27/09	↓	↓	-29.5	-2.5	K401	1128	X					X					
SU-W022709	2/27/09	↓	↓	-29.5	-3.0	K162	1405	X					X					
SU-COS022709	2/27/09	↓	↓	-29.5	-3.0	K277	7467	X					X					

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
X Cell Tower Summa had no power to solenoid and did not sample, No ANALYSIS needed.
Return can #1139, did not use.

Canisters Shipped by:	Date/Time: 3/3/09 / 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 3/3/09 / 0800	Received by:
Relinquished by:	Date/Time:	Received by:

H9C040227

№ 8402

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

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

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

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 8929 and 8689 2426 8929

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

Signature:

Sample I.D. No.	Type	Type	Type	Date	Time min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: VOC	Analysis: TIC	Analysis: BTEX										Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-IBL022509	-			2/25/09	480	Cell Tower	1					X												1363B
SU-IBG022509	-			2/25/09	480	Campground	1					X												12446
SU-IBS022509	-			2/25/09	480	School	1					X												1534
SU-IBW022509	-			2/25/09	480	Wetland	1					X												2979
SU-IBD022509	-			2/25/09	480	DW of Construction zone	1			X	X													1372

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	3/3/09 1500	Ryan Henry	3/4/09 0945				
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

H9C040227

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: Tony Noxon

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOCs + TIC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	BTEX	Sample Type Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-IBC0225Ø9	2/25/09	711	1520	-28.5 "Hg	0	K116	1363B						X					
SU-IBGØ225Ø9	↓	722	1531	-28.5 "Hg	-0.5 "Hg	K250	12446						X					
SU-IBSØ225Ø9		740	1555	-28.5 "Hg	0	K426	1834						X					
SU-IBWØ225Ø9		730	1541	-28.5 "Hg	-3.5 "Hg	K335	2979						X					
SU-IBDØ225Ø9		825	1625	-28.5 "Hg	0	K353	1372	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: 3/3/09 / 1500	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:** HAC040227

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: 3/4/09

QA026R19.doc, 080707

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #23

April 20, 2009

APPENDIX G. Laboratory Analytical Results from Supplemental Isolation Break Monitoring Event #8:
Sampling Conducted Tuesday March 3, 2009

Test America Laboratories: EPA Method TO-15 (BTEX)

SAMPLE SUMMARY

H9C090112

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K776V	001	SU-IBC030309	03/03/09	
K776X	002	SU-IBG030309	03/03/09	
K7760	003	SU-IBS030309	03/03/09	
K7762	004	SU-IBW030309	03/03/09	
K7763	005	SU-IBD030309	03/03/09	

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
H9C090112

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

Custody seals were not present.

Quality Control and Data Interpretation

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

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

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. The laboratory standard operating procedure allows up to four analytes in the calibration verification to be $\leq$40% difference from the initial calibration. The calibration verification analyzed on 03/10/09 exhibited a %difference of >30% but $\leq$40% for dichlorodifluoromethane and 1,2-dichlorotetrafluoroethane.

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-IBC030309

GC/MS Volatiles

Lot-Sample #	H9C090112 - 001	**Work Order #**	K776V1AA	**Matrix.....:**	AIR

Date Sampled...:	03/03/2009	**Date Received..:**	03/09/2009
Prep Date.....:	03/09/2009	**Analysis Date...**	03/10/2009
Prep Batch #.....:	9069054		
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	**0.20**	**0.20**	**0.65**		**0.64**
Toluene	**0.15**	**0.20**	**0.56**	**J**	**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	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-IBG030309

GC/MS Volatiles

Lot-Sample #	H9C090112 - 002	**Work Order #**	K776X1AA	**Matrix.....:**	AIR

Date Sampled...:	03/03/2009	**Date Received..:**	03/09/2009
Prep Date.....:	03/09/2009	**Analysis Date...**	03/10/2009
Prep Batch #.....:	9069054		
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	**0.20**	**0.20**	**0.62**	**0.64**
Toluene	**0.28**	**0.20**	**1.1**	**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	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)

Lawhon & Associates, Inc.

Client Sample ID: SU-IBS030309

GC/MS Volatiles

Lot-Sample #	H9C090112 - 003	**Work Order #**	K77601AA	**Matrix.....:**	AIR

Date Sampled...:	03/03/2009	**Date Received..:**	03/09/2009
Prep Date.....:	03/10/2009	**Analysis Date...**	03/10/2009
Prep Batch #.....:	9070028		
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	**0.22**	**0.20**	**0.69**		**0.64**
Toluene	**0.15**	**0.20**	**0.55**	**J**	**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	101	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-IBW030309

GC/MS Volatiles

Lot-Sample #	H9C090112 - 004	Work Order #	K77621AA	Matrix.....:	AIR

Date Sampled...:	03/03/2009	Date Received..:	03/09/2009
Prep Date.....:	03/10/2009	Analysis Date...	03/10/2009
Prep Batch #.....:	9070028		
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	**0.21**	**0.20**	**0.66**		**0.64**
Toluene	**0.18**	**0.20**	**0.66**	**J**	**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

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 # H9C100000 - 054B **Work Order #** K78931AA **Matrix.....:** AIR

	03/03/2009	**Date Received..:**	03/09/2009
Prep Date.....:	03/09/2009	**Analysis Date...**	03/09/2009
Prep Batch #.....:	9069054		
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	ND	0.20	ND	0.64
Toluene	ND	0.20	ND	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)

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H9C100000 - 054C	Work Order #	K78931AC	Matrix.....:	AIR
	03/03/2009	Date Received..:	03/09/2009		
Prep Date.....:	03/09/2009	Analysis Date...	03/09/2009		
Prep Batch #.....:	9069054				
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
1,1-Dichloroethene	2.50	2.92	9.9	12	117	70 - 130
Trichloroethene	2.50	2.74	13	15	110	70 - 130
Chlorobenzene	2.50	2.69	12	12	107	70 - 130
Benzene	2.50	3.08	8.0	9.8	123	70 - 130
Toluene	2.50	2.54	9.4	9.6	102	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)

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9C110000 - 028B **Work Order #** K8A521AA **Matrix.....:** AIR

	03/03/2009	**Date Received..:**	03/09/2009
Prep Date.....:	03/10/2009	**Analysis Date...**	03/10/2009
Prep Batch #.....:	9070028		
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
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	**0.082**	**0.50**	**0.29**	**J**	**1.7**
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
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
Methyl tert-butyl ether	ND	1.0	ND		3.6
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
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

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9C110000 - 028B Work Order # K8A521AA Matrix.....: AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	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 #	H9C110000 - 028C	Work Order #	K8A521AC	Matrix.....:	AIR
	03/03/2009	Date Received..:	03/09/2009		
Prep Date.....:	03/10/2009	Analysis Date...	03/10/2009		
Prep Batch #.....:	9070028				
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
Trichloroethene	1.00	1.26	5.4	6.8	126	70 - 130
Chlorobenzene	1.00	1.22	4.6	5.6	122	70 - 130
1,1-Dichloroethene	1.00	1.18	4.0	4.7	118	70 - 130
Benzene	1.00	1.18	3.2	3.8	118	70 - 130
Toluene	1.00	1.19	3.8	4.5	119	70 - 130

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

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

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

Sample Receipt Documentation

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

975 ~~229~~ 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~~

H9C090112

№ 8403

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8689 2426 9097 / 8689 2426 9101

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): Tony Noxon

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method	BTEX	VOC TO15	TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-IBC030309				3/3/09	480	Cell Tower	1			X					6594
SU-IBG030309				3/3/09	480	Campground	1			X					6627
SU-IBS030309				3/3/09	480	School	1			X					04426
SU-IBW030309				3/3/09	480	Wetland	1			X					6117
SU-IBD030309				3/3/09	480	DW of construction zone	1				X	X			0134

REC. AT AMBIENT
NO CUSTODY SEALS
2 BOXES RH 3/9/09
FED EX # 8689 2426 9101
9097

5 CANS / 5 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	3/6/09 1500	Ryan Henry	3/9/09 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

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

Canister Samples Chain of Custody Record

H9C090112

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: Tony Noxon

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC and Tic	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	BTEX	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-IBC030309	3/3/09	0717	1517	-28.5 "Hg	-2.0 "Hg	K320	6594						X						
SU-IBG030309	↓	0730	1525	-28.5 "Hg	0 "Hg	K230	6627						X						
SU-IBS030309		0739	1535	-28.0 "Hg	-1.5 "Hg	K328	04426						X						
SU-IBW030309		0752	1545	-28.0 "Hg	-2.5 "Hg	K383	6117						X						
SU-IBD030309		0805	1555	-28.0 "Hg	-4.0 "Hg	K286	0184	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: 3/6/09 1500	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:** HYC090112

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:	4a
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☑ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			✓	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 3/9/09

QA026R19.doc, 080707