Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #20

January 20, 2009

APPENDIX A. Laboratory Analytical Results from Event #92:
Sampling conducted Sunday November 23 to Monday November 24, 2008

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 #: H8K260122

Shawn Ansbro

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TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

December 5, 2008

ANALYTICAL METHODS SUMMARY

H8K260122

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

H8K260122

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K3N2L	001	SU-C112308	11/23/08	
K3N2N	002	SU-G112308	11/23/08	
K3N2P	003	SU-S112308	11/23/08	
K3N2Q	004	SU-W112308	11/23/08	
K3N2R	005	SU-COS112308	11/23/08	

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
H8K260122

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.

Due to an update to the laboratory procedure, batch 8337103 contains only one surrogate, bromofluorobenzene. Note that the reference method does not require the use of surrogates for this analysis.

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-C112308

GC/MS Volatiles

Lot-Sample # H8K260122 - 001 **Work Order #** K3N2L1AA **Matrix.....:** AIR

Date Sampled...: 11/23/2008 **Date Received..:** 11/26/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337103
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**	**8.4**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.091**	**0.50**	**0.37**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.16**	**0.50**	**0.55**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.045**	**2.0**	**0.14**	**J**	**6.1**
Methylene chloride	**4.2**	**0.50**	**15**	**B**	**1.7**
Benzene	**0.26**	**0.20**	**0.84**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.29**	**0.20**	**1.1**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.072**	**0.20**	**0.55**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.26**	**0.20**	**1.3**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.069**	**0.20**	**0.30**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.18**	**0.20**	**0.80**	**J**	**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**	**0.87**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.12**	**0.40**	**0.59**	**J**	**2.0**
Carbon disulfide	**0.034**	**0.50**	**0.11**	**J B**	**1.6**
Carbon tetrachloride	**0.096**	**0.20**	**0.60**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C112308

GC/MS Volatiles

Lot-Sample # H8K260122 - 001 **Work Order #** K3N2L1AA **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	**0.058**	**0.50**	**0.20**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.43**	**0.20**	**2.1**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-G112308

GC/MS Volatiles

Lot-Sample # H8K260122 - 002 **Work Order #** K3N2N1AA **Matrix.....:** AIR

Date Sampled...: 11/23/2008 **Date Received..:** 11/26/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337103
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**9.7**	**5.0**	**23**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.19**	**0.20**	**1.1**	**J**	**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.14**	**0.50**	**0.51**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.081**	**2.0**	**0.24**	**J**	**6.1**
Methylene chloride	**0.37**	**0.50**	**1.3**	**J B**	**1.7**
Benzene	**0.23**	**0.20**	**0.74**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.23**	**0.20**	**0.85**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.068**	**0.20**	**0.52**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.11**	**0.20**	**0.54**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.13**	**0.20**	**0.56**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.97**	**1.0**	**2.9**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.055**	**0.50**	**0.22**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.068**	**0.40**	**0.33**	**J**	**2.0**
Carbon disulfide	**0.047**	**0.50**	**0.15**	**J B**	**1.6**
Carbon tetrachloride	**0.089**	**0.20**	**0.56**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G112308

GC/MS Volatiles

Lot-Sample # H8K260122 - 002 **Work Order #** K3N2N1AA **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	**0.069**	**0.50**	**0.24**	**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	**0.40**	**0.20**	**2.0**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethylene oxide	3.2	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	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-S112308

GC/MS Volatiles

Lot-Sample # H8K260122 - 003 **Work Order #** K3N2P1AA **Matrix.....:** AIR

Date Sampled...: 11/23/2008 **Date Received..:** 11/26/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337103
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**7.2**	**5.0**	**17**		**12**
Ethylbenzene	**0.12**	**0.20**	**0.54**	**J**	**0.87**
Trichlorofluoromethane	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	**0.19**	**0.50**	**0.79**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.33**	**0.50**	**1.2**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.079**	**0.50**	**0.37**	**J**	**2.3**
tert-Butyl alcohol	**0.14**	**2.0**	**0.44**	**J**	**6.1**
Methylene chloride	**0.43**	**0.50**	**1.5**	**J B**	**1.7**
Benzene	**0.47**	**0.20**	**1.5**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.81**	**0.20**	**3.0**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.066**	**0.20**	**0.51**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.11**	**0.20**	**0.54**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.16**	**0.20**	**0.68**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.45**	**0.20**	**1.9**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.61**	**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	**0.043**	**0.50**	**0.13**	**J B**	**1.6**
Carbon tetrachloride	**0.085**	**0.20**	**0.54**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S112308

GC/MS Volatiles

Lot-Sample # H8K260122 - 003 **Work Order #** K3N2P1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.43**	**0.50**	**0.90**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.11**	**0.50**	**0.39**	**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	**0.42**	**0.20**	**2.1**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Butane	4.2	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	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-W112308

GC/MS Volatiles

Lot-Sample # H8K260122 - 004 **Work Order #** K3N2Q1AA **Matrix.....:** AIR

Date Sampled...: 11/23/2008 **Date Received..:** 11/26/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337103
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.5**	**5.0**	**15**		**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	**0.087**	**0.50**	**0.31**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.26**	**2.0**	**0.78**	**J**	**6.1**
Methylene chloride	**1.2**	**0.50**	**4.1**	**B**	**1.7**
Benzene	**0.17**	**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	**0.19**	**0.20**	**0.73**	**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)	**0.63**	**1.0**	**1.8**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.054**	**0.50**	**0.22**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.034**	**0.50**	**0.11**	**J B**	**1.6**
Carbon tetrachloride	**0.083**	**0.20**	**0.52**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W112308

GC/MS Volatiles

Lot-Sample # H8K260122 - 004 **Work Order #** K3N2Q1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.44**	**0.50**	**0.92**	**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	**0.44**	**0.20**	**2.2**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-COS112308

GC/MS Volatiles

Lot-Sample # H8K260122 - 005 **Work Order #** K3N2R1AA **Matrix.....:** AIR

Date Sampled...: 11/23/2008 **Date Received..:** 11/26/2008
Prep Date.....: 12/01/2008 **Analysis Date...** 12/01/2008
Prep Batch #.....: 8337103
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**	**12**
Ethylbenzene	**0.13**	**0.20**	**0.55**	**J**	**0.87**
Trichlorofluoromethane	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	**0.16**	**0.50**	**0.67**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.31**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.071**	**0.50**	**0.33**	**J**	**2.3**
tert-Butyl alcohol	**0.12**	**2.0**	**0.38**	**J**	**6.1**
Methylene chloride	**0.28**	**0.50**	**0.99**	**J B**	**1.7**
Benzene	**0.48**	**0.20**	**1.5**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.76**	**0.20**	**2.9**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.068**	**0.20**	**0.52**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.29**	**0.20**	**1.4**		**0.98**
1,3,5-Trimethylbenzene	**0.087**	**0.20**	**0.43**	**J**	**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.17**	**0.20**	**0.73**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.45**	**0.20**	**1.9**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.26**	**1.0**	**0.77**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.061**	**0.50**	**0.25**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.12**	**0.40**	**0.61**	**J**	**2.0**
Carbon disulfide	**0.038**	**0.50**	**0.12**	**J B**	**1.6**
Carbon tetrachloride	**0.085**	**0.20**	**0.53**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COS112308

GC/MS Volatiles

Lot-Sample # H8K260122 - 005 **Work Order #** K3N2R1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.45**	**0.50**	**0.94**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.11**	**0.50**	**0.39**	**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	**0.41**	**0.20**	**2.0**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Butane	4.3	ppb(v/v)
Decane	2.6	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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 # H8L020000 - 103B **Work Order #** K3WDA1AA **Matrix.....:** AIR

	11/12/2008	**Date Received..:**	11/14/2008
Prep Date.....:	12/01/2008	**Analysis Date...**	12/01/2008
Prep Batch #.....:	8337103		
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	**0.35**	**0.50**	**1.2**	**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	**0.048**	**0.50**	**0.15**	**J**	**1.6**

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L020000 - 103B **Work Order #** K3WDA1AA **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	104	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 # H8L020000 - 103C **Work Order #** K3WDA1AC **Matrix.....:** AIR

	11/12/2008	**Date Received..:**	11/14/2008
Prep Date.....:	12/01/2008	**Analysis Date...**	12/01/2008
Prep Batch #.....:	8337103		
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	2.80	8.0	9.0	112	70 - 130
Toluene	2.50	2.67	9.4	10	107	70 - 130
Trichloroethene	2.50	2.66	13	14	106	70 - 130
Chlorobenzene	2.50	2.84	12	13	114	70 - 130
1,1-Dichloroethene	2.50	2.53	9.9	10	101	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	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

H8K210122

№ 8340

☒ 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

~~2118 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.: 8683 0128 2524
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): 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 #
SU-C 112308				11/23/08	1440	Cell Tower	1			X	X													6619
SU-G112308				11/23/08	1440	Campground	1			X	X													6127
SU-S112308				11/23/08	1440	School	1			X	X													43182
SU-W112308				11/23/08	1440	Wetland	1			X	X													6654
SU-COS112308				11/23/08	1440	Co-located School	1			X	X													12738

REC. AT AMBIENT
CUSTODY SEAL ~~IMPROPER~~ INTACT
1 BOX RH 11/25/08
FED EX # 868301282524

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]	11/25	Ryan Henry	11/26/08 0730				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	11/25/08 1800						

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

H8K260122

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, 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 Anskro
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	Validation	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C112308	11/23/08	3:00pm	3:00pm	-29 *	-2.0	K303A	6619	X					X						
SU-G112308	↓	↓	↓	-30 *	-2.5	K263	6127	X					X						
SU-S112308				-29 *	-3.5	K451	93182	X					X						
SU-W112308				-29 *	0	K266	6654	X					X						
SU-COS112308				-28.5 *	-2.0	K201	12738	X					X						

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
* Not certified gauge readings: Regulator only Ending pressures were checked w/ certified Gauge
Return Can # 1349 → did not use

Canisters Shipped by:	Date/Time: 11/25/08 / 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 11/25	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8K260122

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)		✓		☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☑ 1e No label ☐ 1f COC not received ☐ 1g Other:	1e - NO SAMPLE LABEL, MATCHED BY CAN ID'S 4c - IMPROPERLY PLACED ON BOX
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: Lynn Henry Date: 11/26/08

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: 12/09/08
Job Number: E08-13546
Date Received: 11/26/08
Date Analyzed: 12/09/08

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

Sample Name:	C112308-01A		C112308-02A		C112308-03A		Reporting
IAL ID:	E08-13546-13		E08-13546-14		E08-13546-15		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.78	3.5	0.56	2.9	0.68	2.7	0.1
Acetaldehyde	0.64	2.8	0.52	2.7	0.62	2.5	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	0.11	0.50	< 0.1	< 0.5	0.12	0.46	0.1
Crotonaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	0.20	0.88	0.13	0.66	0.16	0.66	0.1
Benzaldehyde	0.13	0.59	< 0.1	< 0.5	0.15	0.59	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 2	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 0.8	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 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	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1

Sample Name:	G112308-01A		G112308-02A		G112308-03A		Reporting
IAL ID:	E08-13546-17		E08-13546-18		E08-13546-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.80	4.3	0.70	3.7	0.66	3.6	0.1
Acetaldehyde	0.66	3.5	0.64	3.4	0.58	3.2	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	0.12	0.64	0.11	0.56	0.10	0.57	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Butyraldehyde	0.26	1.4	0.19	0.99	0.18	1.0	0.1

Benzaldehyde	0.10	0.55	0.11	0.60	< 0.1	< 0.6	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Hexaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1

Lawhon & Associates, Inc. Job Number: E08-13546
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S112308-01A		S112308-02A		S112308-03A		Reporting
IAL ID:	E08-13546-20		E08-13546-21		E08-13546-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.36	2.8	0.48	2.0	0.40	1.7	0.1
Acetaldehyde	0.24	1.8	0.48	2.0	0.30	1.3	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Propionaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Butyraldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Benzaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.8	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.8	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1
Hexaldehyde	< 0.1	< 0.8	< 0.1	< 0.4	< 0.1	< 0.4	0.1

Sample Name:	W112308-01A		W112308-02A		W112308-03A		Reporting
IAL ID:	E08-13546-23		E08-13546-24		E08-13546-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.42	1.9	0.32	1.5	0.42	3.1	0.1
Acetaldehyde	0.26	1.2	0.22	1.0	0.26	1.9	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.7	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.7	0.1

Propionaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.7	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.7	0.1
Butyraldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.7	0.1
Benzaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.7	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	< 0.5	< 0.1	< 0.7	0.1
Hexaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.7	0.1

Lawhon & Associates, Inc. Job Number: E08-13546
Jobsite: Countywide
Project: #07-0082

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

Sample Name: 112308A-A
IAL ID: E08-13546-26

Compound	ug	ug/m3	Reporting Limits ug
Formaldehyde	< 0.1	N/A	0.1
Acetaldehyde	< 0.1	N/A	0.1
Acetone	< 0.1	N/A	0.1
Acrolein	< 0.1	N/A	0.1
Propionaldehyde	< 0.1	N/A	0.1
Crotonaldehyde	< 0.1	N/A	0.1
Butyraldehyde	< 0.1	N/A	0.1
Benzaldehyde	< 0.1	N/A	0.1
Isovaleraldehyde	< 0.6	N/A	0.6
Valeraldehyde	< 0.2	N/A	0.2
o-Tolualdehyde	< 0.2	N/A	0.2

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

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: 12/09/08
Job Number: E08-13546
Date Received: 11/26/08
Date Analyzed: 12/08/08

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
C112308-01H	E08-13546-01	< 0.6	< 4	< 0.4	< 3
C112308-02H	E08-13546-02	< 0.6	< 4	0.57	3.5
C112308-03H	E08-13546-03	< 0.6	< 5	< 0.4	< 3
G112308-01H	E08-13546-04	< 0.6	< 5	0.82	6.5
G112308-02H	E08-13546-05	< 0.6	< 5	0.52	4.0
G112308-03H	E08-13546-06	< 0.6	< 5	0.67	5.4
S112308-01H	E08-13546-07	< 0.6	< 5	< 0.4	< 3
S112308-02H	E08-13546-08	< 0.6	< 3	1.2	6.7
S112308-03H	E08-13546-09	< 0.6	< 4	0.52	3.2
W112308-01H	E08-13546-10	< 0.6	< 5	0.77	6.0
W112308-02H	E08-13546-11	< 0.6	< 5	0.88	6.4
W112308-03H	E08-13546-12	< 0.6	< 4	0.62	4.1
112308A-H	E08-13546-13	< 0.6	N/A	0.72	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 #20

January 20, 2009

APPENDIX B. Laboratory Analytical Results from Event #93:
Sampling conducted Saturday November 29 to Sunday November 30, 2008

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 #: H8L030223

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

December 9, 2008

ANALYTICAL METHODS SUMMARY

H8L030223

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

H8L030223

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K3055	001	SU-C112908	11/29/08	
K3059	002	SU-G112908	11/29/08	
K306C	003	SU-S112908	11/29/08	
K306F	004	SU-W112908	11/29/08	
K306G	005	SU-COG112908	11/29/08	

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
H8L030223

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

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

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

Sample Receipt

The containers for all samples were received without a label.

Quality Control and Data Interpretation

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

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

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. The laboratory standard operating procedure allows up to four analytes in the calibration verification to be $\leq$40% difference from the initial calibration. The calibration verification analyzed on 12/04/08 exhibited a %difference of >30% but $\leq$40% for trichlorofluoromethane.

Due to an update to the laboratory procedure, batch 8340102 contains only one surrogate, bromofluorobenzene. Note that the reference method does not require the use of surrogates for this analysis.

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-C112908

GC/MS Volatiles

Lot-Sample # H8L030223 - 001 **Work Order #** K30551AA **Matrix.....:** AIR

Date Sampled...: 11/29/2008 **Date Received..:** 12/03/2008
Prep Date.....: 12/04/2008 **Analysis Date...** 12/04/2008
Prep Batch #.....: 8340102
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	**2.4**	**5.0**	**5.6**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.24**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.44**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.15**	**0.50**	**0.51**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.058**	**2.0**	**0.18**	**J**	**6.1**
Methylene chloride	**0.47**	**0.50**	**1.6**	**J 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	**0.27**	**0.20**	**1.0**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.086**	**0.20**	**0.66**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.10**	**0.20**	**0.51**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.061**	**0.20**	**0.27**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.16**	**0.20**	**0.71**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.24**	**1.0**	**0.70**	**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	**0.050**	**0.50**	**0.16**	**J B**	**1.6**
Carbon tetrachloride	**0.089**	**0.20**	**0.56**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C112908

GC/MS Volatiles

Lot-Sample # H8L030223 - 001 **Work Order #** K30551AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.48**	**0.50**	**0.99**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	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	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-G112908

GC/MS Volatiles

Lot-Sample # H8L030223 - 002 **Work Order #** K30591AA **Matrix.....:** AIR

Date Sampled...: 11/29/2008 **Date Received..:** 12/03/2008
Prep Date.....: 12/04/2008 **Analysis Date...** 12/04/2008
Prep Batch #.....: 8340102
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**	**9.0**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.12**	**0.50**	**0.48**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.17**	**0.50**	**0.61**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.046**	**2.0**	**0.14**	**J**	**6.1**
Methylene chloride	**0.45**	**0.50**	**1.6**	**J B**	**1.7**
Benzene	**0.33**	**0.20**	**1.0**		**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	**0.085**	**0.20**	**0.66**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.093**	**0.20**	**0.46**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.14**	**0.20**	**0.60**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.33**	**1.0**	**0.97**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.043**	**0.50**	**0.13**	**J B**	**1.6**
Carbon tetrachloride	**0.087**	**0.20**	**0.55**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G112908

GC/MS Volatiles

Lot-Sample # H8L030223 - 002 **Work Order #** K30591AA **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	**0.46**	**0.50**	**0.94**	**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	**0.45**	**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
None		

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-S112908

GC/MS Volatiles

Lot-Sample # H8L030223 - 003 **Work Order #** K306C1AA **Matrix.....:** AIR

Date Sampled...: 11/29/2008 **Date Received..:** 12/03/2008
Prep Date.....: 12/04/2008 **Analysis Date...** 12/04/2008
Prep Batch #.....: 8340102
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**2.1**	**5.0**	**5.0**	**J**	**12**
Ethylbenzene	**0.12**	**0.20**	**0.52**	**J**	**0.87**
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.15**	**0.50**	**0.63**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.30**	**0.50**	**1.0**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.074**	**0.50**	**0.35**	**J**	**2.3**
tert-Butyl alcohol	**0.038**	**2.0**	**0.11**	**J**	**6.1**
Methylene chloride	**0.39**	**0.50**	**1.4**	**J B**	**1.7**
Benzene	**0.60**	**0.20**	**1.9**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.69**	**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	**0.089**	**0.20**	**0.68**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.14**	**0.20**	**0.70**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.12**	**0.20**	**0.53**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.35**	**0.20**	**1.5**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.046**	**0.50**	**0.14**	**J B**	**1.6**
Carbon tetrachloride	**0.10**	**0.20**	**0.64**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S112908

GC/MS Volatiles

Lot-Sample # H8L030223 - 003 **Work Order #** K306C1AA **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	**0.075**	**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	**0.50**	**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
Butane	2.7	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	113	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-W112908

GC/MS Volatiles

Lot-Sample # H8L030223 - 004 **Work Order #** K306F1AA **Matrix.....:** AIR

Date Sampled...: 11/29/2008 **Date Received..:** 12/03/2008
Prep Date.....: 12/04/2008 **Analysis Date...** 12/04/2008
Prep Batch #.....: 8340102
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	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.10**	**0.50**	**0.43**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.21**	**0.50**	**0.74**	**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	**0.34**	**0.50**	**1.2**	**J B**	**1.7**
Benzene	**0.23**	**0.20**	**0.74**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.18**	**0.20**	**0.69**	**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	**0.080**	**0.20**	**0.62**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.082**	**0.20**	**0.40**	**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)	**0.27**	**1.0**	**0.80**	**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	**0.041**	**0.50**	**0.13**	**J B**	**1.6**
Carbon tetrachloride	**0.085**	**0.20**	**0.53**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W112908

GC/MS Volatiles

Lot-Sample # H8L030223 - 004 **Work Order #** K306F1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.44**	**0.50**	**0.91**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.052**	**0.50**	**0.18**	**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
Butane	3.1	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	110	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-COG112908

GC/MS Volatiles

Lot-Sample # H8L030223 - 005 **Work Order #** K306G1AA **Matrix.....:** AIR

Date Sampled...: 11/29/2008 **Date Received..:** 12/03/2008
Prep Date.....: 12/04/2008 **Analysis Date...** 12/04/2008
Prep Batch #.....: 8340102
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	**2.2**	**5.0**	**5.2**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.24**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.43**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.17**	**0.50**	**0.61**	**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	**0.45**	**0.50**	**1.6**	**J B**	**1.7**
Benzene	**0.35**	**0.20**	**1.1**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.27**	**0.20**	**1.0**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.083**	**0.20**	**0.64**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.14**	**0.20**	**0.67**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.078**	**0.20**	**0.34**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.18**	**0.20**	**0.79**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.24**	**1.0**	**0.71**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.042**	**0.50**	**0.13**	**J B**	**1.6**
Carbon tetrachloride	**0.099**	**0.20**	**0.62**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COG112908

GC/MS Volatiles

Lot-Sample # H8L030223 - 005 **Work Order #** K306G1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.45**	**0.50**	**0.92**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.045**	**0.50**	**0.15**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.49**	**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
Propane	2.8	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	109	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 # H8L050000 - 102B **Work Order #** K341R1AA **Matrix.....:** AIR

	12/03/2008	**Date Received..:**	12/04/2008
Prep Date.....:	12/04/2008	**Analysis Date...**	12/04/2008
Prep Batch #.....:	8340102		
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	**0.21**	**0.50**	**0.74**	**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	**0.046**	**0.50**	**0.14**	**J**	**1.6**

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L050000 - 102B **Work Order #** K341R1AA **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	107	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 # H8L050000 - 102C **Work Order #** K341R1AC **Matrix.....:** AIR

	12/03/2008	**Date Received..:**	12/04/2008
Prep Date.....:	12/04/2008	**Analysis Date...**	12/04/2008
Prep Batch #.....:	8340102		
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	2.43	8.0	7.8	97	70 - 130
Toluene	2.50	2.41	9.4	9.1	96	70 - 130
Trichloroethene	2.50	2.62	13	14	105	70 - 130
Chlorobenzene	2.50	2.64	12	12	106	70 - 130
1,1-Dichloroethene	2.50	3.01	9.9	12	121	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	108	70 - 130

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

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

Sample Receipt Documentation

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

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

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

H8L030223

№ 8298

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8683 0128 2627
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:

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-C112908				11/29/08	1440	Cell Tower	1			X	X			92073
SU-G112908				11/29/08	1440	Campground	1			X	X			6591
SU-S112908				11/29/08	1440	School	1			X	X			7499
SU-W112908				11/29/08	1440	Wetland	1			X	X			07639
SU-CO112908				11/29/08	1440	Campground Co-loc	1			X	X			1494

REC. AT AMBIENT
CUSTODY SEAL PRESENT
1 BOX RH 12/3/08
FED EX # 8683 0128 2627
6 CANS / 6 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	12/2/08 1500	Ryan Henry	12/3/08 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

20

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

Canister Samples Chain of Custody Record

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

H82030223

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: Lawhon & Associate, 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 # 07-6082

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

Sampled By: Nick Iannaggi

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section) TIC	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C112908	11/29/08	3:00pm	3:00pm	-26.5	0	K329	92073	X					X						
SU-G112908	↓	↓	↓	-25.5	-2.0	K395	6591	X					X						
SU-S112908				-25.0	0	STL-K231	7499	X					X						
SU-W112908				-26.0	0	STL-K157	02639	X					X						
SU-COG112908				-25.5	0	K343R	1494	X					X						

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

TIC

Special Instructions/QC Requirements & Comments:
Return Can → 1411 did not use, however did use regulator K350 but it gives no pressure Readings!

Canisters Shipped by: [signature]	Date/Time: 12/2/08 15:00	Canisters Received by: Ryan Henry 12/3/08 0945
Samples Relinquished by: [signature]	Date/Time: 12/2/08 15:00	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8L030223

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☑ 1e No label ☐ 1f COC not received ☐ 1g Other:	1e - NO SAMPLE LABEL, MATCHED BY CAN ID
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: 12/3/08

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: 12/11/08
Job Number: E08-13825
Date Received: 12/03/08
Date Analyzed: 12/11/08

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

Sample Name:	C112908-01A		C112908-02A		C112908-03A		Reporting
IAL ID:	E08-13825-14		E08-13825-15		E08-13825-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.76	3.3	0.44	2.3	0.52	2.3	0.1
Acetaldehyde	0.44	1.9	0.34	1.8	0.36	1.6	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	0.11	0.47	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Crotonaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	0.19	0.81	< 0.1	< 0.5	0.13	0.58	0.1
Benzaldehyde	0.28	1.2	0.14	0.73	0.19	0.85	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Hexaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1

Sample Name:	G112908-01A		G112908-02A		G112908-03A		Reporting
IAL ID:	E08-13825-17		E08-13825-18		E08-13825-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.12	0.73	0.11	0.64	< 0.1	< 0.6	0.1
Acetaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Acetone	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Acrolein	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Propionaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Crotonaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Butyraldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1

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

Lawhon & Associates, Inc. Job Number: E08-13825
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S112908-01A		S112908-02A		S112908-03A		Reporting
IAL ID:	E08-13825-20		E08-13825-21		E08-13825-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.58	4.6	0.40	1.8	0.38	1.7	0.1
Acetaldehyde	0.40	3.2	0.36	1.7	0.26	1.2	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Propionaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Benzaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1

Sample Name:	W112908-01A		W112908-02A		W112908-03A		Reporting
IAL ID:	E08-13825-23		E08-13825-24		E08-13825-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.32	1.5	0.24	1.2	0.18	1.1	0.1
Acetaldehyde	0.17	0.80	0.18	0.89	0.14	0.85	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	< 0.1	< 0.6	0.1
Benzaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 4	0.6
Valeraldehyde	< 0.2	< 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. Job Number: E08-13825
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	112908A-A		Reporting
IAL ID:	E08-13825-26		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: 12/11/08
Job Number: E08-13825
Date Received: 12/03/08
Date Analyzed: 12/11/08

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
C112908-01H	E08-13825-01	< 0.6	< 3	< 0.4	< 2
C112908-02H	E08-13825-02	< 0.6	< 3	< 0.4	< 2
C112908-03H	E08-13825-03	See * Below		See * Below	
G112908-01H	E08-13825-04	< 0.6	< 4	< 0.4	< 2
G112908-02H	E08-13825-05	< 0.6	< 4	< 0.4	< 2
G112908-03H	E08-13825-06	< 0.6	< 4	0.77	4.4
S112908-01H	E08-13825-07	< 0.6	< 5	0.62	5.2
S112908-02H	E08-13825-08	< 0.6	< 3	< 0.4	< 2
S112908-03H	E08-13825-09	< 0.6	< 3	0.93	4.8
W112908-01H	E08-13825-10	< 0.6	< 4	< 0.4	< 2
W112908-02H	E08-13825-11	< 0.6	< 3	0.82	4.2
W112908-03H	E08-13825-12	< 0.6	< 3	1.4	7.2
112908A-H	E08-13825-13	< 0.6	N/A	0.88	N/A
Reporting Limit		0.6		0.4	

* Due to a defective vial, the front half of sample E08-13825-03 (C112908-03H) was unable to be desorbed and analyzed.

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 #20

January 20, 2009

APPENDIX C. Laboratory Analytical Results from Event #94:
Sampling conducted Friday December 5 to Saturday December 6, 2008

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 #: H8L110213

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

December 15, 2008

ANALYTICAL METHODS SUMMARY

H8L110213

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

H8L110213

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K4HF6	001	SU-C120508	12/05/08	
K4HF8	002	SU-G120508	12/05/08	
K4HGA	003	SU-S120508	12/05/08	
K4HGC	004	SU-W120508	12/05/08	
K4HGD	005	SU-COW120508	12/05/08	

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
H8L110213

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.

The surrogate recoveries for all the samples were quantitated against the daily calibration verification standard.

Due to an update to the laboratory procedure, batch 8350080 contains only one surrogate, bromofluorobenzene. Note that the reference method does not require the use of surrogates for this analysis.

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-C120508

GC/MS Volatiles

Lot-Sample # H8L110213 - 001 **Work Order #** K4HF61AA **Matrix.....:** AIR

Date Sampled...: 12/05/2008 **Date Received..:** 12/11/2008
Prep Date.....: 12/12/2008 **Analysis Date...** 12/12/2008
Prep Batch #.....: 8350080
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	**4.4**	**5.0**	**11**	**J**	**12**
Ethylbenzene	**0.090**	**0.20**	**0.39**	**J**	**0.87**
Trichlorofluoromethane	**0.26**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.083**	**0.50**	**0.34**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.23**	**0.50**	**0.79**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.081**	**2.0**	**0.25**	**J**	**6.1**
Methylene chloride	**5.5**	**0.50**	**19**	**B**	**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	**0.79**	**0.20**	**3.0**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.067**	**0.20**	**0.52**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.20**	**0.20**	**1.0**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.11**	**0.20**	**0.49**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.32**	**0.20**	**1.4**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.39**	**1.0**	**1.2**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.081**	**0.40**	**0.40**	**J**	**2.0**
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.089**	**0.20**	**0.56**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C120508

GC/MS Volatiles

Lot-Sample # H8L110213 - 001 **Work Order #** K4HF61AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.039**	**0.20**	**0.19**	**J**	**0.98**
Chloromethane	**0.59**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.45**	**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
Hexadecane	2.8	ppb(v/v)
Propane	2.8	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	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-G120508

GC/MS Volatiles

Lot-Sample # H8L110213 - 002 **Work Order #** K4HF81AA **Matrix.....:** AIR

Date Sampled...: 12/05/2008 **Date Received..:** 12/11/2008
Prep Date.....: 12/12/2008 **Analysis Date...** 12/12/2008
Prep Batch #.....: 8350080
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**1.9**	**5.0**	**4.5**	**J**	**12**
Ethylbenzene	**0.072**	**0.20**	**0.31**	**J**	**0.87**
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.058**	**0.50**	**0.24**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.12**	**0.50**	**0.43**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**1.6**	**0.50**	**5.5**	**B**	**1.7**
Benzene	**0.17**	**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	**0.095**	**0.20**	**0.64**	**J**	**1.4**
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.44**	**0.20**	**1.7**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.070**	**0.20**	**0.53**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.13**	**0.20**	**0.66**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.15**	**0.20**	**0.64**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.32**	**0.20**	**1.4**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.26**	**1.0**	**0.76**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.072**	**0.50**	**0.29**	**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	**0.081**	**0.20**	**0.51**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G120508

GC/MS Volatiles

Lot-Sample # H8L110213 - 002 **Work Order #** K4HF81AA **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	**0.56**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	**0.53**	**0.20**	**3.2**		**1.2**
1,3-Dichlorobenzene	**0.080**	**0.20**	**0.48**	**J**	**1.2**
1,4-Dichlorobenzene	**0.070**	**0.20**	**0.42**	**J**	**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	99	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-S120508

GC/MS Volatiles

Lot-Sample # H8L110213 - 003 **Work Order #** K4HGA1AA **Matrix.....:** AIR

Date Sampled...: 12/05/2008 **Date Received..:** 12/11/2008
Prep Date.....: 12/12/2008 **Analysis Date...** 12/12/2008
Prep Batch #.....: 8350080
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	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.093**	**0.50**	**0.38**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.12**	**0.50**	**0.43**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.053**	**2.0**	**0.16**	**J**	**6.1**
Methylene chloride	**1.4**	**0.50**	**5.0**	**B**	**1.7**
Benzene	**0.23**	**0.20**	**0.73**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.26**	**0.20**	**0.99**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.070**	**0.20**	**0.53**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.20**	**0.20**	**0.96**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.078**	**0.20**	**0.34**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.20**	**0.20**	**0.85**		**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**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.078**	**0.40**	**0.38**	**J**	**2.0**
Carbon disulfide	**0.047**	**0.50**	**0.15**	**J**	**1.6**
Carbon tetrachloride	**0.16**	**0.20**	**0.98**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S120508

GC/MS Volatiles

Lot-Sample # H8L110213 - 003 **Work Order #** K4HGA1AA **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	**0.16**	**0.20**	**0.77**	**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	**0.47**	**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	99	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-W120508

GC/MS Volatiles

Lot-Sample # H8L110213 - 004 **Work Order #** K4HGC1AA **Matrix.....:** AIR

Date Sampled...: 12/05/2008 **Date Received..:** 12/11/2008
Prep Date.....: 12/12/2008 **Analysis Date...** 12/12/2008
Prep Batch #.....: 8350080
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**	**4.0**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.16**	**0.20**	**0.92**	**J**	**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	ND	0.50	ND		1.8
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**1.2**	**0.50**	**4.2**	**B**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.074**	**0.20**	**0.28**	**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	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	**0.052**	**0.50**	**0.16**	**J**	**1.6**

Lawhon & Associates, Inc.

Client Sample ID: SU-W120508

GC/MS Volatiles

Lot-Sample # H8L110213 - 004 **Work Order #** K4HGC1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.60**	**0.50**	**1.2**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.46**	**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	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-COW120508

GC/MS Volatiles

Lot-Sample # H8L110213 - 005 **Work Order #** K4HGD1AA **Matrix.....:** AIR

Date Sampled...: 12/05/2008 **Date Received..:** 12/11/2008
Prep Date.....: 12/12/2008 **Analysis Date...** 12/12/2008
Prep Batch #.....: 8350080
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**1.9**	**5.0**	**4.5**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.073**	**0.50**	**0.26**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**1.7**	**0.50**	**5.8**	**B**	**1.7**
Benzene	**0.11**	**0.20**	**0.34**	**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)	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-COW120508

GC/MS Volatiles

Lot-Sample # H8L110213 - 005 **Work Order #** K4HGD1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Carbon tetrachloride	ND	0.20	ND	1.3
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.59**	**0.50**	**1.2**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.46**	**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	98	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L150000 - 080B **Work Order #** K4PNJ1AA **Matrix.....:** AIR

	12/05/2008	**Date Received..:**	12/11/2008
Prep Date.....:	12/12/2008	**Analysis Date...**	12/12/2008
Prep Batch #.....:	8350080		
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	**0.22**	**0.50**	**0.75**	**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 # H8L150000 - 080B **Work Order #** K4PNJ1AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

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

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8L150000 - 080C **Work Order #** K4PNJ1AC **Matrix.....:** AIR

	12/05/2008	**Date Received..:**	12/11/2008
Prep Date.....:	12/12/2008	**Analysis Date...**	12/12/2008
Prep Batch #.....:	8350080		
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	2.72	8.0	8.7	109	70 - 130
Toluene	2.50	2.36	9.4	8.9	94	70 - 130
Trichloroethene	2.50	2.58	13	14	103	70 - 130
Chlorobenzene	2.50	2.55	12	12	102	70 - 130
1,1-Dichloroethene	2.50	2.76	9.9	11	110	70 - 130

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

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

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

Sample Receipt Documentation

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

~~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~~

1482110213

№ 8337

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

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Sample Type: S-Soil; 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 #
SU-C120508				12/5/08	1440	Cell Tower	1		X	X			6389
SU-G120508				12/5/08	1440	Campground	1		X	X			S-1492
SU-S120508				12/5/08	1440	School	1		X	X			12543
SU-W120508				12/5/08	1440	Wetland	1		X	X			12822
SU-CW120508				12/5/08	1440	Co-Located Wetland	1		X	X			2998

NO CUSTODY SEALS
RECEIVED AT AMBIENT TEMP
DKD 12-11-08
1 BOX FEDEX #
868301282866

6 CANS / 6 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	12/9 1500						
	12/10/08 1500		12-11-08 10:45				

Comments:

Distributor: White - File; Yellow - Lab

20

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

Canister Samples Chain of Custody Record

148L110213

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Project Manager: Shawn Ansbro
Phone: 614-818-5260
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)	12/5/08 Time Start	12/6/08 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 Matrix	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C 12 05 08	12/5/08	3:00pm	3:00pm	-25.0	-8.0	STL-K217	6389	X					X						
SU-G 12 05 08	12/5/08	↓	↓	-28.0	-2.9	STL-K223	S-1492	X					X						
SU-S 12 05 08	12/5/08			-25.5	*-4 (not cert)	K445	12543	X					X						
SU-W 12 05 08	12/5/08			-28	0.0	K279	12822	X					X						
SU-COW 12 05 08	12/5/08	↓	↓	-27.5	0.0	STL-K256	2998	X					X						

TIC

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:
* School ending pressure is not a certified reading; reading was taken with the regulator

Return can 12426 → did not use

Canisters Shipped by:	Date/Time: 12/10/08 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: ~~12-10-08~~ 12-9-08 1500	Received by: 12-11-08 10:45
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: LANHON + ASSOC. **Project:** _____ **Lot Number:** 1H8L110213

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:	IE, NO ID'S ON CAN'S, 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: _____ Date: _____

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: 12/17/08
Job Number: E08-14118
Date Received: 12/11/08
Date Analyzed: 12/16/08

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

Sample Name:	C120508-01A		C120508-02A		C120508-03A		Reporting
IAL ID:	E08-14118-14		E08-14118-15		E08-14118-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.28	1.3	0.22	1.2	0.22	1.0	0.1
Acetaldehyde	0.24	1.1	0.20	1.1	0.26	1.2	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Propionaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Butyraldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Benzaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.5	< 0.1	< 0.6	< 0.1	< 0.5	0.1

Sample Name:	G120508-01A		G120508-02A		G120508-03A		Reporting
IAL ID:	E08-14118-17		E08-14118-18		E08-14118-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.24	2.0	0.22	1.6	0.24	2.1	0.1
Acetaldehyde	0.17	1.4	0.16	1.2	0.17	1.5	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.7	< 0.1	< 0.9	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.7	< 0.1	< 0.9	0.1
Propionaldehyde	< 0.1	< 0.8	< 0.1	< 0.7	< 0.1	< 0.9	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.7	< 0.1	< 0.9	0.1
Butyraldehyde	< 0.1	< 0.8	< 0.1	< 0.7	< 0.1	< 0.9	0.1

Benzaldehyde	< 0.1	< 0.8	< 0.1	< 0.7	< 0.1	< 0.9	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 4	< 0.6	< 5	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 1	< 0.2	< 2	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 1	< 0.2	< 2	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.7	< 0.1	< 0.9	0.1
Hexaldehyde	< 0.1	< 0.8	< 0.1	< 0.7	< 0.1	< 0.9	0.1

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

Job Number: E08-14118

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

Sample Name:	S120508-01A		S120508-02A		S120508-03A		Reporting
IAL ID:	E08-14118-20		E08-14118-21		E08-14118-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.19	1.4	0.24	1.1	0.22	1.0	0.1
Acetaldehyde	0.15	1.1	0.22	1.0	0.19	0.89	0.1
Acetone	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Propionaldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Crotonaldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Benzaldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Isovaleraldehyde	< 0.6	< 4	< 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	< 0.7	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.5	0.1

Sample Name:	W120508-01A		W120508-02A		W120508-03A		Reporting
IAL ID:	E08-14118-23		E08-14118-24		E08-14118-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.20	1.2	0.16	0.95	0.17	1.1	0.1
Acetaldehyde	0.15	0.91	0.13	0.80	0.14	0.98	0.1
Acetone	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Acrolein	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1

Propionaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Crotonaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Butyraldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Benzaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Isovaleraldehyde	< 0.6	< 4	< 0.6	< 4	< 0.6	< 4	0.6
Valeraldehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Hexaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.7	0.1

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

Job Number: E08-14118

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

Sample Name: 120508A-A
IAL ID: E08-14118-26

Compound	ug	ug/m3	Reporting Limits ug
Formaldehyde	< 0.1	N/A	0.1
Acetaldehyde	< 0.1	N/A	0.1
Acetone	< 0.1	N/A	0.1
Acrolein	< 0.1	N/A	0.1
Propionaldehyde	< 0.1	N/A	0.1
Crotonaldehyde	< 0.1	N/A	0.1
Butyraldehyde	< 0.1	N/A	0.1
Benzaldehyde	< 0.1	N/A	0.1
Isovaleraldehyde	< 0.6	N/A	0.6
Valeraldehyde	< 0.2	N/A	0.2
o-Tolualdehyde	< 0.2	N/A	0.2

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

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: 12/17/08
Job Number: E08-14118
Date Received: 12/11/08
Date Analyzed: 12/15/08

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
C120508-01H	E08-14118-01	< 0.6	< 3	< 0.4	< 2
C120508-02H	E08-14118-02	< 0.6	< 3	< 0.4	< 2
C120508-03H *	E08-14118-03	< 0.6	< 3	2.3	12
G120508-01H	E08-14118-04	< 0.6	< 5	0.57	4.5
G120508-02H	E08-14118-05	< 0.6	< 5	0.67	5.1
G120508-03H	E08-14118-06	< 0.6	< 5	1.0	8.8
S120508-01H	E08-14118-07	< 0.6	< 4	0.40	2.6
S120508-02H	E08-14118-08	< 0.6	< 3	< 0.4	< 2
S120508-03H	E08-14118-09	< 0.6	< 3	< 0.4	< 2
W120508-01H	E08-14118-10	< 0.6	< 3	0.50	2.6
W120508-02H	E08-14118-11	< 0.6	< 4	0.67	4.2
W120508-03H	E08-14118-12	< 0.6	< 4	1.3	7.7
120508A-H	E08-14118-13	< 0.6	N/A	< 0.4	N/A
Reporting Limit		0.6		0.4	

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

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

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: J.Walukiewicz

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #20

January 20, 2009

APPENDIX D. Laboratory Analytical Results from Event #95:
Sampling conducted Thursday December 11 to Friday December 12, 2008

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 #: H8L160198

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

December 19, 2008

ANALYTICAL METHODS SUMMARY

H8L160198

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

H8L160198

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K4RRX	001	SU-C121108	12/11/08	
K4RR0	002	SU-G121108	12/11/08	
K4RR1	003	SU-S121108	12/11/08	
K4RR3	004	SU-W121108	12/11/08	
K4RR6	005	SU-COC121108	12/11/08	

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
H8L160198

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.

Due to an update to the laboratory procedure, batch 8352379 contains only one surrogate, bromofluorobenzene. Note that that reference method does not require the use of surrogates for this analysis.

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-C121108

GC/MS Volatiles

Lot-Sample # H8L160198 - 001 **Work Order #** K4RRX1AA **Matrix.....:** AIR

Date Sampled...: 12/11/2008 **Date Received..:** 12/16/2008
Prep Date.....: 12/17/2008 **Analysis Date...** 12/17/2008
Prep Batch #.....: 8352379
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	**0.11**	**0.20**	**0.47**	**J**	**0.87**
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.12**	**0.50**	**0.49**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.14**	**0.50**	**0.51**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.29**	**0.50**	**1.0**	**J B**	**1.7**
Benzene	**0.27**	**0.20**	**0.86**		**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	**0.49**	**0.20**	**1.9**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.071**	**0.20**	**0.55**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.23**	**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	**0.13**	**0.20**	**0.57**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.39**	**0.20**	**1.7**		**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**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.084**	**0.40**	**0.41**	**J**	**2.0**
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.073**	**0.20**	**0.46**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C121108

GC/MS Volatiles

Lot-Sample # H8L160198 - 001 **Work Order #** K4RRX1AA **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	**0.58**	**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	**0.47**	**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	104	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-G121108

GC/MS Volatiles

Lot-Sample # H8L160198 - 002 **Work Order #** K4RR01AA **Matrix.....:** AIR

Date Sampled...: 12/11/2008 **Date Received..:** 12/16/2008
Prep Date.....: 12/17/2008 **Analysis Date...** 12/17/2008
Prep Batch #.....: 8352379
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**	**5.9**	**J**	**12**
Ethylbenzene	**0.075**	**0.20**	**0.32**	**J**	**0.87**
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.47**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.13**	**0.50**	**0.45**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.56**	**0.50**	**1.9**	**B**	**1.7**
Benzene	**0.27**	**0.20**	**0.87**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.045**	**0.20**	**0.30**	**J**	**1.4**
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.44**	**0.20**	**1.7**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.070**	**0.20**	**0.54**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.19**	**0.20**	**0.94**	**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**	**0.49**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.29**	**0.20**	**1.2**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.27**	**1.0**	**0.80**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.069**	**0.40**	**0.34**	**J**	**2.0**
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.069**	**0.20**	**0.44**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G121108

GC/MS Volatiles

Lot-Sample # H8L160198 - 002 **Work Order #** K4RR01AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.52**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	**0.18**	**0.20**	**1.1**	**J**	**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
Limonene	2.9	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	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-S121108

GC/MS Volatiles

Lot-Sample # H8L160198 - 003 **Work Order #** K4RR11AA **Matrix.....:** AIR

Date Sampled...: 12/11/2008 **Date Received..:** 12/16/2008
Prep Date.....: 12/17/2008 **Analysis Date...** 12/17/2008
Prep Batch #.....: 8352379
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**9.4**	**5.0**	**22**		**12**
Ethylbenzene	**0.30**	**0.20**	**1.3**		**0.87**
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.21**	**0.50**	**0.85**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.31**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.10**	**0.50**	**0.47**	**J**	**2.3**
tert-Butyl alcohol	**0.083**	**2.0**	**0.25**	**J**	**6.1**
Methylene chloride	**0.40**	**0.50**	**1.4**	**J B**	**1.7**
Benzene	**3.5**	**0.20**	**11**		**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	**0.60**	**0.20**	**2.3**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.069**	**0.20**	**0.53**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.24**	**0.20**	**1.2**		**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**	**0.49**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.44**	**0.20**	**1.9**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.65**	**1.0**	**1.9**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.047**	**0.50**	**0.19**	**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	**0.086**	**0.40**	**0.42**	**J**	**2.0**
Carbon disulfide	**0.094**	**0.50**	**0.29**	**J**	**1.6**
Carbon tetrachloride	**0.070**	**0.20**	**0.44**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S121108

GC/MS Volatiles

Lot-Sample # H8L160198 - 003 **Work Order #** K4RR11AA **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	**0.56**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.12**	**0.50**	**0.43**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.48**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	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-W121108

GC/MS Volatiles

Lot-Sample # H8L160198 - 004 **Work Order #** K4RR31AA **Matrix.....:** AIR

Date Sampled...: 12/11/2008 **Date Received..:** 12/16/2008
Prep Date.....: 12/17/2008 **Analysis Date...** 12/17/2008
Prep Batch #.....: 8352379
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	**1.8**	**5.0**	**4.3**	**J**	**12**
Ethylbenzene	**0.10**	**0.20**	**0.45**	**J**	**0.87**
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.46**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.18**	**0.50**	**0.64**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.053**	**0.50**	**0.25**	**J**	**2.3**
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.54**	**0.50**	**1.9**	**B**	**1.7**
Benzene	**0.34**	**0.20**	**1.1**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.59**	**0.20**	**2.2**		**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	**0.075**	**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	**0.089**	**0.20**	**0.39**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.21**	**0.20**	**0.92**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.24**	**1.0**	**0.72**	**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	**0.075**	**0.20**	**0.47**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W121108

GC/MS Volatiles

Lot-Sample # H8L160198 - 004 **Work Order #** K4RR31AA **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	**0.58**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.055**	**0.50**	**0.19**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.50**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	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-COC121108

GC/MS Volatiles

Lot-Sample # H8L160198 - 005 **Work Order #** K4RR61AA **Matrix.....:** AIR

Date Sampled...: 12/11/2008 **Date Received..:** 12/16/2008
Prep Date.....: 12/17/2008 **Analysis Date...** 12/17/2008
Prep Batch #.....: 8352379
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**1.9**	**5.0**	**4.5**	**J**	**12**
Ethylbenzene	**0.11**	**0.20**	**0.47**	**J**	**0.87**
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.46**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.16**	**0.50**	**0.58**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.044**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.47**	**0.50**	**1.6**	**J B**	**1.7**
Benzene	**0.33**	**0.20**	**1.1**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**4.2**	**0.20**	**16**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.074**	**0.20**	**0.57**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.12**	**0.20**	**0.61**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.11**	**0.20**	**0.46**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.28**	**0.20**	**1.2**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.32**	**1.0**	**0.94**	**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	**0.071**	**0.20**	**0.45**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COC121108

GC/MS Volatiles

Lot-Sample # H8L160198 - 005 **Work Order #** K4RR61AA **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	**0.51**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L170000 - 379B **Work Order #** K4WAW1AA **Matrix.....:** AIR

	12/11/2008	**Date Received..:**	12/16/2008
Prep Date.....:	12/17/2008	**Analysis Date...**	12/17/2008
Prep Batch #.....:	8352379		
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	**0.074**	**0.50**	**0.26**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L170000 - 379B **Work Order #** K4WAW1AA **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

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 # H8L170000 - 379C **Work Order #** K4WAW1AC **Matrix.....:** AIR

12/11/2008
Prep Date.....: 12/17/2008
Prep Batch #.....: 8352379
Dilution Factor.: 1

Date Received..: 12/16/2008
Analysis Date... 12/17/2008

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	2.75	8.0	8.8	110	70 - 130
Toluene	2.50	2.39	9.4	9.0	96	70 - 130
Trichloroethene	2.50	2.62	13	14	105	70 - 130
Chlorobenzene	2.50	2.58	12	12	103	70 - 130
1,1-Dichloroethene	2.50	2.69	9.9	11	108	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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~~ 775 Eastwind Drive, Suite ~~211~~ 190
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

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

H8L160198

№ 8306

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8683 0128 2969
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: Countryside

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	Time	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method: VOC TO15	TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa #
SU-C121108				12/11/08	1440	Cell Tower	1		X	X			12264
SU-G121108				12/11/08	1440	Campground	1		X	X			1144
SU-S121108				12/11/08	1440	School	1		X	X			6124
SU-W121108				12/11/08	1440	Wetland	1		X	X			1498
SU-COC121108				12/11/08	1440	Co-Located Cell Tower	1		X	X			1127

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 12/16/08
FED EX # 8683 0128 2969
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]	12/15 15:00	Ryan Henry	12/16/08 1040				
[signature]	12/15/08 9:00						

Comments:

Distributor: White - File; Yellow - Lab

20

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

H8L160198

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: 614-818-5260
FAX: 614-818-5219
Project Name: County Wide
Site/location: Community
PO #: 07-0082

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

Sampled By: Rick Jones

1 of 2 COCs

Analysis Turnaround Time
Standard (Specify)
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	Canister Cleaning	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C 12 11 08	12/11/08	3:00pm	3:00pm	-25.5	-3.5	K124	12264	X					X						
SU-G 12 11 08	↓	↓	↓	-26.0	-0.5	K437	1144	X					X						
SU-S 12 11 08				-25.5	-0.0	K451	6124	X					X						
SU-W 12 11 08				-27.5	-1.0	K214	1498	X					X						
SU-COC 12 11 08				-25.5	-0.0	K263	1127	X					X						

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (Inches of Hg)	Interior	Ambient
Start		
Stop		

↑ TIC

Special Instructions/QC Requirements & Comments:

Return Can# 6382 → did not use

Canisters Shipped by:	Date/Time: 12/15/08 15:00	Canisters Received by:
Samples Relinquished by:	Date/Time: 12/15/08 9:00	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8L160198

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)		✓		☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☑ 1e No label ☐ 1f COC not received ☐ 1g Other:	1e - NO SAMPLE LABEL; MATCHED BY CAN ID.
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: 12/16/08

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: 12/18/08
Job Number: E08-14266
Date Received: 12/16/08
Date Analyzed: 12/17/08

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

Sample Name:	C121108-01A		C121108-02A		C121108-03A		Reporting
IAL ID:	E08-14266-14		E08-14266-15		E08-14266-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.66	3.0	0.38	2.1	0.40	1.8	0.1
Acetaldehyde	0.50	2.3	0.40	2.2	0.38	1.7	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	0.13	0.58	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	0.20	0.92	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Benzaldehyde	0.12	0.56	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 0.2	< 1	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1

Sample Name:	G121108-01A		G121108-02A		G121108-03A		Reporting
IAL ID:	E08-14266-17		E08-14266-18		E08-14266-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.64	5.1	0.52	3.3	0.36	2.6	0.1
Acetaldehyde	0.32	2.6	0.32	2.1	0.22	1.6	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Propionaldehyde	< 0.1	< 0.8	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Butyraldehyde	0.24	1.9	0.12	0.75	< 0.1	< 0.7	0.1

Benzaldehyde	0.18	1.4	0.28	1.8	0.19	1.4	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 4	< 0.6	< 4	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 1	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.6	< 0.1	< 0.7	0.1
Hexaldehyde	< 0.1	< 0.8	< 0.1	< 0.6	< 0.1	< 0.7	0.1

Lawhon & Associates, Inc. Job Number: E08-14266
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	S121108-01A		S121108-02A		S121108-03A		Reporting
IAL ID:	E08-14266-20		E08-14266-21		E08-14266-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.30	2.3	0.28	1.3	0.32	1.4	0.1
Acetaldehyde	0.19	1.5	0.18	0.8	0.26	1.2	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Propionaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Benzaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Isovaleraldehyde	< 0.6	< 5	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 2	< 0.2	< 0.9	< 0.2	< 0.9	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.8	< 0.1	< 0.5	< 0.1	< 0.5	0.1

Sample Name:	W121108-01A		W121108-02A		W121108-03A		Reporting
IAL ID:	E08-14266-23		E08-14266-24		E08-14266-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.32	1.9	0.32	1.9	0.22	1.4	0.1
Acetaldehyde	0.22	1.3	0.19	1.2	0.16	1.0	0.1
Acetone	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Acrolein	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1

Propionaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Crotonaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Butyraldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Benzaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Isovaleraldehyde	< 0.6	< 4	< 0.6	< 4	< 0.6	< 4	0.6
Valeraldehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Hexaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1

Lawhon & Associates, Inc. Job Number: E08-14266
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	121108A-A		Reporting
IAL ID:	E08-14266-26		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: 12/18/08
Job Number: E08-14266
Date Received: 12/16/08
Date Analyzed: 12/18/08

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
C121108-01H	E08-14266-01	< 0.6	< 4	< 0.4	< 2
C121108-02H	E08-14266-02	< 0.6	< 4	< 0.4	< 2
C121108-03H	E08-14266-03	< 0.6	< 4	< 0.4	< 2
G121108-01H	E08-14266-04	< 0.6	< 6	< 0.4	< 4
G121108-02H	E08-14266-05	< 0.6	< 5	< 0.4	< 3
G121108-03H	E08-14266-06	< 0.6	< 6	< 0.4	< 4
S121108-01H	E08-14266-07	< 0.6	< 5	< 0.4	< 3
S121108-02H	E08-14266-08	< 0.6	< 4	< 0.4	< 2
S121108-03H	E08-14266-09	< 0.6	< 4	< 0.4	< 3
W121108-01H	E08-14266-10	< 0.6	< 4	< 0.4	< 3
W121108-02H	E08-14266-11	< 0.6	< 5	< 0.4	< 3
W121108-03H	E08-14266-12	< 0.6	< 4	< 0.4	< 3
121108A-H	E08-14266-13	< 0.6	N/A	0.88	< 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 #20

January 20, 2009

APPENDIX E. Laboratory Analytical Results from Supplemental Isolation Break Monitoring Event #1:
Sampling Conducted Tuesday December 9, 2008

Test America Laboratories: EPA Method TO-15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 07-0082-SA2

Countywide

Lot #: H8L120301

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

December 19, 2008

ANALYTICAL METHODS SUMMARY

H8L120301

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

H8L120301

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K4MF6	001	SU-IBC12908	12/09/08	
K4MGA	002	SU-IBG12908	12/09/08	
K4MGC	003	SU-IBS12908	12/09/08	
K4MGE	004	SU-IBW12908	12/09/08	
K4MGF	005	SU-IBD12908	12/09/08	

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
H8L120301

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 ID's listed on the sample container labels did not match the ID's listed on the chain of custody documentation. The samples were processed using the ID's on the sample container 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 surrogate recoveries for all the samples were quantitated against the daily calibration verification standard.

Due to an update in laboratory procedure, batch 8351069 contains only one surrogate, bromofluorobenzene. Note that the reference method does not require the use of surrogates for this analysis.

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-IBC12908

GC/MS Volatiles

Lot-Sample # H8L120301 - 001 **Work Order #** K4MF61AA **Matrix.....:** AIR

Date Sampled...: 12/09/2008 **Date Received..:** 12/12/2008
Prep Date.....: 12/15/2008 **Analysis Date...** 12/15/2008
Prep Batch #.....: 8351069
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**5.2**	**5.0**	**12**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.10**	**0.50**	**0.41**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.12**	**0.50**	**0.44**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.039**	**0.50**	**0.18**	**J**	**2.3**
tert-Butyl alcohol	**0.082**	**2.0**	**0.25**	**J**	**6.1**
Methylene chloride	**2.8**	**0.50**	**9.7**	**B**	**1.7**
Benzene	**0.18**	**0.20**	**0.58**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.16**	**0.20**	**0.61**	**J**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.069**	**0.20**	**0.53**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.44**	**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	ND	0.50	ND		1.6
Carbon tetrachloride	**0.11**	**0.20**	**0.67**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-IBC12908

GC/MS Volatiles

Lot-Sample # H8L120301 - 001 **Work Order #** K4MF61AA **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	**0.050**	**0.20**	**0.24**	**J**	**0.98**
Chloromethane	**0.65**	**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
None		

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-IBG12908

GC/MS Volatiles

Lot-Sample # H8L120301 - 002 **Work Order #** K4MGA1AA **Matrix.....:** AIR

Date Sampled...: 12/09/2008 **Date Received..:** 12/12/2008
Prep Date.....: 12/15/2008 **Analysis Date...** 12/15/2008
Prep Batch #.....: 8351069
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.6**	**5.0**	**16**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.26**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.076**	**0.50**	**0.31**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.18**	**0.50**	**0.65**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.091**	**2.0**	**0.28**	**J**	**6.1**
Methylene chloride	**5.2**	**0.50**	**18**	**B**	**1.7**
Benzene	**0.14**	**0.20**	**0.45**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.15**	**0.20**	**0.58**	**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)	**0.60**	**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	ND	0.50	ND		1.6
Carbon tetrachloride	**0.11**	**0.20**	**0.70**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-IBG12908

GC/MS Volatiles

Lot-Sample # H8L120301 - 002 **Work Order #** K4MGA1AA **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	**0.048**	**0.20**	**0.23**	**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	**0.49**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	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-IBS12908

GC/MS Volatiles

Lot-Sample # H8L120301 - 003 **Work Order #** K4MGC1AA **Matrix.....:** AIR

Date Sampled...: 12/09/2008 **Date Received..:** 12/12/2008
Prep Date.....: 12/15/2008 **Analysis Date...** 12/15/2008
Prep Batch #.....: 8351069
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**3.1**	**5.0**	**7.5**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.059**	**0.50**	**0.24**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.13**	**0.50**	**0.44**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**3.3**	**0.50**	**12**	**B**	**1.7**
Benzene	**0.19**	**0.20**	**0.60**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.21**	**0.20**	**0.80**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.071**	**0.20**	**0.54**	**J**	**1.5**
1,2,4-Trimethylbenzene	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**	**0.64**	**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-IBS12908

GC/MS Volatiles

Lot-Sample # H8L120301 - 003 **Work Order #** K4MGC1AA **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**	**0.72**	**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	**0.063**	**0.20**	**0.31**	**J**	**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	**0.49**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	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-IBW12908

GC/MS Volatiles

Lot-Sample # H8L120301 - 004 **Work Order #** K4MGE1AA **Matrix.....:** AIR

Date Sampled...: 12/09/2008 **Date Received..:** 12/12/2008
Prep Date.....: 12/15/2008 **Analysis Date...** 12/16/2008
Prep Batch #.....: 8351069
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**4.2**	**5.0**	**10**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.24**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.061**	**0.50**	**0.25**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.11**	**0.50**	**0.38**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.56**	**2.0**	**1.7**	**J**	**6.1**
Methylene chloride	**3.3**	**0.50**	**11**	**B**	**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	**0.16**	**0.20**	**0.61**	**J**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.066**	**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)	**0.25**	**1.0**	**0.75**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.11**	**0.50**	**0.44**	**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	**0.078**	**0.20**	**0.49**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-IBW12908

GC/MS Volatiles

Lot-Sample # H8L120301 - 004 **Work Order #** K4MGE1AA **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	**0.65**	**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	**0.50**	**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
Undecane, 4,7-dimethyl-	2.6	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	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-IBD12908

GC/MS Volatiles

Lot-Sample # H8L120301 - 005 Work Order # K4MGF1AA Matrix.....: AIR

Date Sampled...: 12/09/2008 Date Received..: 12/12/2008
Prep Date.....: 12/15/2008 Analysis Date... 12/16/2008
Prep Batch #.....: 8351069
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**5.1**	**5.0**	**12**		**12**
Ethylbenzene	**0.46**	**0.20**	**2.0**		**0.87**
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.64**	**0.50**	**2.6**		**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.22**	**0.50**	**0.78**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.080**	**0.50**	**0.37**	**J**	**2.3**
tert-Butyl alcohol	**0.13**	**2.0**	**0.39**	**J**	**6.1**
Methylene chloride	**2.8**	**0.50**	**9.7**	**B**	**1.7**
Benzene	**0.39**	**0.20**	**1.2**		**0.64**
Styrene	**0.12**	**0.20**	**0.50**	**J**	**0.85**
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.14**	**0.20**	**0.94**	**J**	**1.4**
Tetrahydrofuran	**0.47**	**1.0**	**1.4**	**J**	**2.9**
Toluene	**2.9**	**0.20**	**11**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	**0.054**	**0.20**	**0.29**	**J**	**1.1**
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.072**	**0.20**	**0.55**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.17**	**0.20**	**0.86**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.30**	**0.20**	**1.3**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**1.1**	**0.20**	**4.8**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.7**	**1.0**	**7.8**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.16**	**0.50**	**0.66**	**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	**0.077**	**0.40**	**0.38**	**J**	**2.0**
Carbon disulfide	**0.044**	**0.50**	**0.14**	**J**	**1.6**
Carbon tetrachloride	**0.093**	**0.20**	**0.58**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-IBD12908

GC/MS Volatiles

Lot-Sample # H8L120301 - 005 **Work Order #** K4MGF1AA **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	**0.045**	**0.20**	**0.22**	**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	**0.14**	**0.50**	**0.48**	**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	**0.65**	**0.20**	**3.2**		**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
Ethyl alcohol	14	ppb(v/v)
Isopropyl Alcohol	3.4	ppb(v/v)
1-Butanol	2.0	ppb(v/v)
1-Propanol	6.9	ppb(v/v)
2-Butanol, (R)-	3.2	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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L160000 - 069B **Work Order #** K4QXN1AA **Matrix.....:** AIR

	12/06/2008	**Date Received..:**	12/09/2008
Prep Date.....:	12/15/2008	**Analysis Date...**	12/15/2008
Prep Batch #.....:	8351069		
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	**0.21**	**0.50**	**0.73**	**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 # H8L160000 - 069B **Work Order #** K4QXN1AA **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	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: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8L160000 - 069C **Work Order #** K4QXN1AC **Matrix.....:** AIR

	12/06/2008	**Date Received..:**	12/09/2008
Prep Date.....:	12/15/2008	**Analysis Date...**	12/15/2008
Prep Batch #.....:	8351069		
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	2.55	8.0	8.2	102	70 - 130
Toluene	2.50	2.42	9.4	9.1	97	70 - 130
Trichloroethene	2.50	2.40	13	13	96	70 - 130
Chlorobenzene	2.50	2.56	12	12	103	70 - 130
1,1-Dichloroethene	2.50	2.94	9.9	12	118	70 - 130

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

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

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

Sample Receipt Documentation

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

975 ~~929~~ Eastwind Drive, Suite 110 ~~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

H8L120301

№ 8299

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

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Arsko

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 Iannuggi

Signature: [signature]

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis	Method	VOC	TIC	TDS	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-IBC120908				12-9-08	480	Cell Tower	1				X	X				62341N
SU-IBG120908				12-9-08	480	Campground	1				X	X				7470
SU-IBS120908				12-9-08	480	School	1				X	X				6680
SU-IBW120908				12-9-08	480	Wetland	1				X	X				6351
SU-IBD120908				12-9-08	480	Downwind Construction	1				X	X				93145

REC. AT AMBIENT
NO CUSTODY SEAL
1 BOX RH 12/12/08
~~FED EX # 8630128 2903~~
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]	12/10 1500	Ryan Henry	12/12/08 1000				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Comments:

Distributor: White - File; Yellow - Lab

20

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

Canister Samples Chain of Custody Record

H8L120301

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: Lawhon & Associates
Address: 975 Eastwind Dr., Suite 190
City/State/Zip Westerville, Ohio 43081
Phone: 614-818-5200
FAX: 614-818-5219
Project Name: County Wide
Site/location: 150-Break sites
PO # 07-0082

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

Sampled By:

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	Canister Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-IBC120908	12-9-08	0811	1613	-28.0	-8.5	K348	6234IN	X					X						
SU-IBG120908	↓	0837	1637	-29.0	-5.0	K388	7470	X					X						
SU-IBS120908		0902	1655	-29.0	-4.0	K330	6680	X					X						
SU-IBW120908		0826	1624	-29.0	-9.5	K095	6351	X					X						
SU-IBD120908		0753	1717	-28.5	0	K328	93145	X					X						

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time:	Canisters Received by:
Samples Relinquished by:	Date/Time: 12/10/08 1500	Received by:
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8L120307

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 ~~1g~~ RH 1a - COC ID HAS ... 120908 SAMPLE LABEL HAS ... 12908
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 = _____	LOGGED PER SAMPLE LABEL
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: 12/12/08

QA026R19.doc, 080707

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #20

January 20, 2009

APPENDIX F. Laboratory Analytical Results from Supplemental Isolation Break Monitoring Event #2:
Sampling conducted Monday December 15, 2009

Test America Laboratories: EPA Method TO-15

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

REVISED

PROJECT NO. 07-0082-SA2

Countywide

Lot #: H8L240251

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

December 31, 2008

ANALYTICAL METHODS SUMMARY

H8L240251

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

H8L240251

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K49AG	001	SU-1BC121508	12/15/08	
K49AR	002	SU-1BG121508	12/15/08	
K49AW	003	SU-1BS121508	12/15/08	
K49A0	004	SU-1BW121508	12/15/08	
K49A2	005	SU-1BD121508	12/15/08	

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
H8L240251
REVISED

This report has been revised. The TIC information on the method blank has been updated.

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

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

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

Sample Receipt

The container for samples Cell Tower and Campground were received without a label.

Can 7476 was received on 12/23/08. All other samples were received on 12/24/08.

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.

Due to an update to the laboratory procedure, batches 8364156 and 8364165 contain only one surrogate, bromofluorobenzene. Note that the reference method does not require the use of surrogates for this analysis.

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-1BC121508

GC/MS Volatiles

Lot-Sample # H8L240251 - 001 **Work Order #** K49AG1AA **Matrix.....:** AIR

Date Sampled...: 12/15/2008 **Date Received..:** 12/24/2008
Prep Date.....: 12/29/2008 **Analysis Date...** 12/29/2008
Prep Batch #.....: 8364156
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**	**5.9**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.17**	**0.20**	**0.97**	**J**	**1.1**
n-Heptane	**0.054**	**0.50**	**0.22**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.064**	**0.50**	**0.23**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.070**	**2.0**	**0.21**	**J**	**6.1**
Methylene chloride	**0.12**	**0.50**	**0.40**	**J B**	**1.7**
Benzene	**0.12**	**0.20**	**0.39**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.11**	**0.20**	**0.77**	**J**	**1.4**
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.084**	**0.20**	**0.32**	**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)	**0.37**	**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	**0.062**	**0.20**	**0.39**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-1BC121508

GC/MS Volatiles

Lot-Sample # H8L240251 - 001 Work Order # K49AG1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.48**	**0.50**	**1.00**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	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	**0.080**	**0.20**	**0.32**	**J**	**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-1BG121508

GC/MS Volatiles

Lot-Sample # H8L240251 - 002 Work Order # K49AR1AA Matrix.....: AIR

Date Sampled...: 12/15/2008
Prep Date.....: 12/29/2008
Prep Batch #.....: 8364165
Dilution Factor.: 1

Date Received..: 12/23/2008
Analysis Date... 12/29/2008

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**7.5**	**5.0**	**18**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.13**	**0.50**	**0.54**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.19**	**0.50**	**0.69**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.15**	**0.50**	**0.72**	**J**	**2.3**
tert-Butyl alcohol	**0.18**	**2.0**	**0.56**	**J**	**6.1**
Methylene chloride	**0.22**	**0.50**	**0.78**	**J B**	**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	**0.17**	**0.20**	**0.65**	**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	**0.077**	**0.20**	**0.59**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.2**	**1.0**	**3.5**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.26**	**0.50**	**1.1**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.062**	**0.50**	**0.19**	**J**	**1.6**
Carbon tetrachloride	**0.094**	**0.20**	**0.59**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-1BG121508

GC/MS Volatiles

Lot-Sample # H8L240251 - 002 **Work Order #** K49AR1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.52**	**0.50**	**1.1**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.46**	**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
Acetaldehyde	2.6	ppb(v/v)

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-1BS121508

GC/MS Volatiles

Lot-Sample # H8L240251 - 003 Work Order # K49AW1AA Matrix.....: AIR

Date Sampled...: 12/15/2008
Prep Date.....: 12/29/2008
Prep Batch #.....: 8364165
Dilution Factor.: 1

Date Received..: 12/24/2008
Analysis Date... 12/29/2008

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	**3.6**	**5.0**	**8.6**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.053**	**0.50**	**0.22**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.086**	**0.50**	**0.30**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.057**	**0.50**	**0.27**	**J**	**2.3**
tert-Butyl alcohol	**0.090**	**2.0**	**0.27**	**J**	**6.1**
Methylene chloride	**0.31**	**0.50**	**1.1**	**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	**0.11**	**0.20**	**0.41**	**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	**0.074**	**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	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**	**1.0**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.042**	**0.50**	**0.13**	**J**	**1.6**
Carbon tetrachloride	**0.080**	**0.20**	**0.50**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-1BS121508

GC/MS Volatiles

Lot-Sample # H8L240251 - 003 **Work Order #** K49AW1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.52**	**0.50**	**1.1**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.45**	**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
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-1BW121508

GC/MS Volatiles

Lot-Sample # H8L240251 - 004 **Work Order #** K49A01AA **Matrix.....:** AIR

Date Sampled...: 12/15/2008 **Date Received..:** 12/24/2008
Prep Date.....: 12/29/2008 **Analysis Date...** 12/29/2008
Prep Batch #.....: 8364165
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**7.4**	**5.0**	**18**		**12**
Ethylbenzene	**0.14**	**0.20**	**0.63**	**J**	**0.87**
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.20**	**0.50**	**0.84**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.25**	**0.50**	**0.87**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.24**	**0.50**	**1.1**	**J**	**2.3**
tert-Butyl alcohol	**0.16**	**2.0**	**0.49**	**J**	**6.1**
Methylene chloride	**0.19**	**0.50**	**0.67**	**J B**	**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	**0.39**	**0.20**	**1.5**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.071**	**0.20**	**0.55**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.080**	**0.20**	**0.39**	**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**	**0.49**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.26**	**0.20**	**1.1**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.6**	**1.0**	**4.7**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.23**	**0.50**	**0.93**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.078**	**0.50**	**0.24**	**J**	**1.6**
Carbon tetrachloride	**0.15**	**0.20**	**0.93**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-1BW121508

GC/MS Volatiles

Lot-Sample # H8L240251 - 004 **Work Order #** K49A01AA **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	**0.048**	**0.20**	**0.23**	**J**	**0.98**
Chloromethane	**0.48**	**0.50**	**0.99**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	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	99	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-1BD121508

GC/MS Volatiles

Lot-Sample # H8L240251 - 005 **Work Order #** K49A21AA **Matrix.....:** AIR

Date Sampled...: 12/15/2008 **Date Received..:** 12/24/2008
Prep Date.....: 12/29/2008 **Analysis Date...** 12/30/2008
Prep Batch #.....: 8364165
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**7.5**	**5.0**	**18**		**12**
Ethylbenzene	**0.12**	**0.20**	**0.50**	**J**	**0.87**
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.15**	**0.50**	**0.61**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.12**	**0.50**	**0.43**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.11**	**2.0**	**0.34**	**J**	**6.1**
Methylene chloride	**0.20**	**0.50**	**0.70**	**J B**	**1.7**
Benzene	**0.21**	**0.20**	**0.66**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	**0.23**	**0.20**	**1.6**		**1.4**
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.63**	**0.20**	**2.4**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	**0.23**	**0.20**	**1.3**		**1.1**
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.082**	**0.20**	**0.63**	**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	**0.078**	**0.20**	**0.34**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.24**	**0.20**	**1.1**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.88**	**1.0**	**2.6**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.14**	**0.50**	**0.55**	**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	**0.076**	**0.40**	**0.38**	**J**	**2.0**
Carbon disulfide	**0.097**	**0.50**	**0.30**	**J**	**1.6**
Carbon tetrachloride	**0.099**	**0.20**	**0.63**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-1BD121508

GC/MS Volatiles

Lot-Sample # H8L240251 - 005 Work Order # K49A21AA 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	**0.044**	**0.20**	**0.12**	**J**	**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	**0.52**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Methyl Alcohol	2.7	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 # H8L290000 - 156B **Work Order #** K5AVV1AA **Matrix.....:** AIR

	12/21/2008	**Date Received..:**	12/23/2008
Prep Date.....:	12/29/2008	**Analysis Date...**	12/29/2008
Prep Batch #.....:	8364156		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	ND	5.0	ND		12
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	ND	0.20	ND		1.1
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	ND	0.50	ND		1.8
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.075**	**0.50**	**0.26**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		1.5
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		0.98
Carbon disulfide	ND	0.50	ND		0.62

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L290000 - 156B Work Order # K5AVV1AA 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	91	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 # H8L290000 - 156C **Work Order #** K5AVV1AC **Matrix.....:** AIR

	12/21/2008	**Date Received..:**	12/23/2008
Prep Date.....:	12/29/2008	**Analysis Date...**	12/29/2008
Prep Batch #.....:	8364156		
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	1.97	8.0	6.3	79	70 - 130
Toluene	2.50	2.01	9.4	7.6	80	70 - 130
Trichloroethene	2.50	2.07	13	11	83	70 - 130
Chlorobenzene	2.50	2.10	12	9.7	84	70 - 130
1,1-Dichloroethene	2.50	2.26	9.9	9.0	91	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	94	70 - 130

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

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

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8L290000 - 165B **Work Order #** K5AW11AA **Matrix.....:** AIR

	12/23/2008	**Date Received..:**	12/24/2008
Prep Date.....:	12/29/2008	**Analysis Date...**	12/29/2008
Prep Batch #.....:	8364165		
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	**0.063**	**0.50**	**0.22**	**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 # H8L290000 - 165B **Work Order #** K5AW11AA **Matrix.....:** AIR

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

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

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

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8L290000 - 165C Work Order # K5AW11AC Matrix.....: AIR

12/23/2008
Prep Date.....: 12/29/2008
Prep Batch #.....: 8364165
Dilution Factor.: 1

Date Received..: 12/24/2008
Analysis Date... 12/29/2008

Method.....: TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	12.5	11.2	40	36	90	70 - 130
Toluene	12.5	12.1	47	46	97	70 - 130
Trichloroethene	12.5	14.6	67	78	116	70 - 130
Chlorobenzene	12.5	11.6	58	54	93	70 - 130
1,1-Dichloroethene	12.5	13.2	50	52	105	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	70 - 130

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

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

Sample Receipt Documentation

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

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

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

HPL 240251

№ 8334

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8683 0128 3174
Page _____ of _____

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 + Rachel Secrest

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: VOC	Analysis: TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-1BC121508				12/15/08	480	Cell Tower	1		TO15	X	X			13286
SU-1BG121508				12/15/08	480	Campground	1			X	X			7476
SU-1BS121508				12 15 08	480	School	1			X	X			1142
SU-1BW121508				12 15 08	480	Wetland	1			X	X			1500
SU-1BD121508				12 15 08	480	Downwind Construction	1			X	X			11200

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 BOX RH 12/24/08
FED EX #8683 0128 3174
5 CANS / 5 FLOWS RH RH

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	12/22/08 1500	Ryan Henry	12/24/08 1200				
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.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: Tony Noon/Rachel Scarest

Page 2 of 2 COCs

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

Sample Identification	Sample Date(s)	Run time ~~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) TO	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-IBC121508	12-15-08	480 min		-28.5	-6.5	STL-K215	93286	X					X						
SU-IBG121508	↓	480 min		-27.5	-4.5	K335	7476	X					X						
SU-IBS121508		480 min		-28.0	-5.0	K421	1142	X					X						
SU-IBW121508		480 min		-28.0	-4.0	K299	1500	X					X						
SU-IBD121508	↓	480 min		-26.5	-0	K268	1200	X					X						

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time: 12-22-08 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:** H8L240251

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)		✓		☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☑ 1e No label ☐ 1f COC not received ☑ 1g Other:	1e - 'CELL TOWER' AND 'CAMPGROUND' SAMPLES DO NOT HAVE A SAMPLE LABEL; MATCHED BY CAN ID. 1g - CAN# 7476 WAS RECEIVED ON 12/23/08
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: 12/24/08

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