Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #17

October 20, 2008

APPENDIX A. Laboratory Analytical Results from Event #77:
Sampling conducted Monday August 25 to Tuesday August 26, 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 #: H8I020121

Shawn Ansbro

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TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

September 10, 2008

ANALYTICAL METHODS SUMMARY

H8I020121

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

H8I020121

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KV470	001	SU-S082508	08/25/08	14:40
KV472	002	SU-G082508	08/25/08	14:40
KV473	003	SU-W082508	08/25/08	14:40
KV474	004	SU-C082508	08/25/08	08:40
KV475	005	~~SU-TB082508~~ Co-located campground	08/25/08	08:40

NOTE(S):

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

PROJECT NARRATIVE
H8I020121

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.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. The laboratory standard operating procedure allows up to four analytes in the calibration verification to be ≤40% difference from the initial calibration. The calibration verification analyzed on 09.03.08 exhibited a %difference of >31% for acetone.

Cans SU-C082508 and SU-TB082508 were received open but analyzed per client request.

The surrogate recoveries for batch 8248070 were quantitated against daily calibration verification standard.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Cert. #05-043-0, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906, Hawaii DOH, Illinois EPA Cert. #000687, Indiana DOH Cert. #C-TN-02, Iowa DNR Cert. #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab ID #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH Cert. #LA030024, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #TN001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Cert. #CL0059, Oklahoma DEQ ID #9415, Pennsylvania DEP Cert. #68-00576, South Carolina DHEC Lab ID #84001001, Tennessee DOH Lab ID #02014, Utah DOH Cert. # QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, West Virginia DEP Cert. #345, Wisconsin DNR Lab ID #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 and Associates

Client Sample ID: SU-S082508

GC/MS Volatiles

Lot-Sample #	H8I020121 - 001	Work Order #	KV4701AA	Matrix.....:	AIR

Date Sampled...:	08/25/2008	Date Received..:	09/02/2008
Prep Date.....:	09/03/2008	Analysis Date...	09/03/2008
Prep Batch #.....:	8248070		
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	**6.0**	**5.0**	**14**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.26**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.16**	**0.50**	**0.64**	**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	**0.11**	**2.0**	**0.34**	**J**	**6.1**
Methylene chloride	**0.21**	**0.50**	**0.71**	**J B**	**1.7**
Benzene	**0.16**	**0.20**	**0.50**	**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	**0.38**	**0.20**	**1.4**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.073**	**0.20**	**0.56**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.17**	**0.20**	**0.72**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.50**	**1.0**	**1.5**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.057**	**0.50**	**0.18**	**J**	**1.6**
Carbon tetrachloride	**0.089**	**0.20**	**0.56**	**J**	**1.3**

Lawhon and Associates

Client Sample ID: SU-S082508

GC/MS Volatiles

Lot-Sample # H81020121 - 001 **Work Order #** KV4701AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.81**	**0.50**	**1.7**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	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 (%)
1,2-Dichloroethane-d4	99	70 - 130
Toluene-d8	96	70 - 130
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 and Associates

Client Sample ID: SU-G082508

GC/MS Volatiles

Lot-Sample #	H81020121 - 002	**Work Order #**	KV4721AA	**Matrix.....:**	AIR

Date Sampled...:	08/25/2008	**Date Received..:**	09/02/2008
Prep Date.....:	09/03/2008	**Analysis Date...**	09/03/2008
Prep Batch #.....:	8248070		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**8.7**	**5.0**	**21**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.31**	**0.20**	**1.7**		**1.1**
n-Heptane	**0.24**	**0.50**	**0.97**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.18**	**0.50**	**0.63**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.17**	**2.0**	**0.53**	**J**	**6.1**
Methylene chloride	**0.19**	**0.50**	**0.67**	**J B**	**1.7**
Benzene	**0.17**	**0.20**	**0.55**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.38**	**0.20**	**1.4**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.089**	**0.20**	**0.68**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.063**	**0.20**	**0.31**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.13**	**0.20**	**0.56**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.3**	**1.0**	**3.7**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.077**	**0.50**	**0.32**	**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	**0.11**	**0.20**	**0.70**	**J**	**1.3**

Lawhon and Associates

Client Sample ID: SU-G082508

GC/MS Volatiles

Lot-Sample # H81020121 - 002 Work Order # KV4721AA 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	**0.91**	**0.50**	**1.9**	**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	**0.56**	**0.20**	**2.8**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	105	70 - 130
Toluene-d8	93	70 - 130
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 and Associates

Client Sample ID: SU-W082508

GC/MS Volatiles

Lot-Sample #	H8I020121 - 003	Work Order #	KV4731AA	Matrix.....:	AIR

Date Sampled...:	08/25/2008	Date Received..:	09/02/2008
Prep Date.....:	09/03/2008	Analysis Date...	09/04/2008
Prep Batch #.....:	8248070		
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**	**9.9**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.26**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.12**	**0.50**	**0.49**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.13**	**0.50**	**0.47**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.095**	**2.0**	**0.29**	**J**	**6.1**
Methylene chloride	**0.38**	**0.50**	**1.3**	**J B**	**1.7**
Benzene	**0.097**	**0.20**	**0.31**	**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	**0.22**	**0.20**	**0.84**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.070**	**0.20**	**0.54**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.51**	**1.0**	**1.5**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.082**	**0.20**	**0.51**	**J**	**1.3**

Lawhon and Associates

Client Sample ID: SU-W082508

GC/MS Volatiles

Lot-Sample # H8I020121 - 003 Work Order # KV4731AA 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**	**1.3**	**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 (%)
1,2-Dichloroethane-d4	104	70 - 130
Toluene-d8	103	70 - 130
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 and Associates

Client Sample ID: SU-C082508

GC/MS Volatiles

Lot-Sample #	H81020121 - 004	Work Order #	KV4741AA	Matrix.....:	AIR

Date Sampled...:	08/25/2008	Date Received..:	09/02/2008
Prep Date.....:	09/03/2008	Analysis Date...	09/03/2008
Prep Batch #.....:	8248070		
Dilution Factor.:	2	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	0.40	ND		1.8
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.40	ND		2.8
Acetone	46	10	110		24
Ethylbenzene	2.9	0.40	12		1.7
Trichlorofluoromethane	0.53	0.40	3.0		2.2
n-Heptane	1.8	1.0	7.2		4.1
Hexachlorobutadiene	ND	2.0	ND		21
n-Hexane	2.1	1.0	7.3		3.5
2,2,4-Trimethylpentane	0.29	1.0	1.3	J	4.7
tert-Butyl alcohol	1.9	4.0	5.7	J	12
Methylene chloride	3.5	1.0	12	B	3.5
Benzene	0.82	0.40	2.6		1.3
Styrene	3.9	0.40	17		1.7
1,1,2,2-Tetrachloroethane	ND	0.40	ND		2.7
Tetrachloroethene	3.4	0.40	23		2.7
Tetrahydrofuran	0.57	2.0	1.7	J	5.9
Toluene	31	0.40	120		1.5
1,2,4-Trichlorobenzene	ND	2.0	ND		15
1,1,1-Trichloroethane	ND	0.40	ND		2.2
1,1,2-Trichloroethane	ND	0.40	ND		2.2
Trichloroethene	0.086	0.40	0.46	J	2.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.078	0.40	0.60	J	3.1
1,2,4-Trimethylbenzene	0.96	0.40	4.7		2.0
1,3,5-Trimethylbenzene	0.33	0.40	1.6	J	2.0
Vinyl chloride	ND	0.40	ND		1.0
o-Xylene	2.2	0.40	9.6		1.7
Methyl tert-butyl ether	ND	2.0	ND		7.2
m-Xylene & p-Xylene	5.9	0.40	26		1.7
Bromodichloromethane	ND	0.40	ND		2.7
1,2-Dibromoethane (EDB)	ND	0.40	ND		3.1
2-Butanone (MEK)	31	2.0	92		5.9
4-Methyl-2-pentanone (MIBK)	0.48	1.0	2.0	J	4.1
Vinyl bromide	ND	0.40	ND		1.7
Bromoform	ND	0.40	ND		4.1
Bromomethane	ND	0.40	ND		1.6
1,3-Butadiene	ND	0.80	ND		1.8
4-Ethyltoluene	0.40	0.80	2.0	J	3.9
Carbon disulfide	0.50	1.0	1.5	J	3.1
Carbon tetrachloride	0.11	0.40	0.72	J	2.5

Lawhon and Associates

Client Sample ID: SU-C082508

GC/MS Volatiles

Lot-Sample # H81020121 - 004 Work Order # KV4741AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	**0.12**	**0.40**	**0.56**	**J**	**1.8**
Dibromochloromethane	ND	0.40	ND		3.4
Chloroethane	ND	0.40	ND		1.1
Chloroform	**0.63**	**0.40**	**3.1**		**2.0**
Chloromethane	**0.85**	**1.0**	**1.7**	**J**	**2.1**
3-Chloropropene	ND	0.40	ND		1.3
2-Chlorotoluene	ND	0.80	ND		4.1
Cyclohexane	**6.7**	**1.0**	**23**		**3.4**
1,2-Dichlorobenzene	ND	0.40	ND		2.4
1,3-Dichlorobenzene	ND	0.40	ND		2.4
1,4-Dichlorobenzene	ND	0.40	ND		2.4
Dichlorodifluoromethane	**0.72**	**0.40**	**3.6**		**2.0**
1,1-Dichloroethane	ND	0.40	ND		1.6
1,2-Dichloroethane	**0.56**	**0.40**	**2.3**		**1.6**
1,1-Dichloroethene	ND	0.40	ND		1.6
cis-1,2-Dichloroethene	ND	0.40	ND		1.6
trans-1,2-Dichloroethene	ND	0.40	ND		1.6
1,2-Dichloropropane	**0.22**	**0.40**	**1.0**	**J**	**1.8**
cis-1,3-Dichloropropene	ND	0.40	ND		1.8

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	5.8	ppb(v/v)
Limonene	6.3	ppb(v/v)
Unknown	5.1	ppb(v/v)
Unknown	27	ppb(v/v)
Unknown	70	ppb(v/v)
Unknown	45	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	114	70 - 130
Toluene-d8	100	70 - 130
4-Bromofluorobenzene	111	70 - 130

Qualifiers

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

Lawhon and Associates

Client Sample ID: SU-C082508

GC/MS Volatiles

Lot-Sample #	H8I020121 - 004	Work Order #	KV4741AA	Matrix.....:	AIR

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

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

Lawhon and Associates

Client Sample ID: SU-~~FB082508~~ Co-located campground

GC/MS Volatiles

Lot-Sample #	H81020121 - 005	Work Order #	KV4751AA	Matrix.....:	AIR

Date Sampled...:	08/25/2008	Date Received..:	09/02/2008
Prep Date.....:	09/03/2008	Analysis Date...	09/03/2008
Prep Batch #.....:	8248070		
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	10	5.0	24		12
Ethylbenzene	0.40	0.20	1.7		0.87
Trichlorofluoromethane	0.42	0.20	2.4		1.1
n-Heptane	0.37	0.50	1.5	J	2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.48	0.50	1.7	J	1.8
2,2,4-Trimethylpentane	0.070	0.50	0.32	J	2.3
tert-Butyl alcohol	0.40	2.0	1.2	J	6.1
Methylene chloride	2.5	0.50	8.7	B	1.7
Benzene	0.38	0.20	1.2		0.64
Styrene	0.41	0.20	1.8		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	0.83	0.20	5.7		1.4
Tetrahydrofuran	0.30	1.0	0.88	J	2.9
Toluene	6.4	0.20	24		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	0.17	0.20	0.85	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	0.82	0.20	3.6		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	4.4	1.0	13		2.9
4-Methyl-2-pentanone (MIBK)	0.11	0.50	0.46	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	0.20	0.50	0.64	J	1.6
Carbon tetrachloride	0.095	0.20	0.60	J	1.3

Lawhon and Associates

Client Sample ID: SU-TB082508

GC/MS Volatiles

Lot-Sample # H81020121 - 005 **Work Order #** KV4751AA **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	**0.086**	**0.20**	**0.42**	**J**	**0.98**
Chloromethane	**0.87**	**0.50**	**1.8**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.87**	**0.50**	**3.0**		**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.58**	**0.20**	**2.9**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	**0.10**	**0.20**	**0.42**	**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	**0.057**	**0.20**	**0.26**	**J**	**0.92**
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Butane, 2-methyl-	11	ppb(v/v)
Unknown	4.3	ppb(v/v)
Unknown	8.7	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	112	70 - 130
Toluene-d8	102	70 - 130
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 and Associates

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H81040000 - 070B	Work Order #	KV8KJ1AA	Matrix.....:	AIR
	08/26/2008	Date Received..:	08/27/2008		
Prep Date.....:	09/03/2008	Analysis Date...	09/03/2008		
Prep Batch #.....:	8248070				
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	**0.081**	**0.50**	**0.28**	**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 and Associates

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8I040000 - 070B Work Order # KV8KJ1AA 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 (%)
1,2-Dichloroethane-d4	101	70 - 130
Toluene-d8	104	70 - 130
4-Bromofluorobenzene	96	70 - 130

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon and Associates

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H8I040000 - 070C	Work Order #	KV8KJ1AC	Matrix.....:	AIR
	08/26/2008	Date Received..:	08/27/2008		
Prep Date.....:	09/03/2008	Analysis Date...	09/03/2008		
Prep Batch #.....:	8248070				
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	2.24	8.0	7.1	89	70 - 130
Toluene	2.50	1.93	9.4	7.3	77	70 - 130
Trichloroethene	2.50	2.53	13	14	101	70 - 130
Chlorobenzene	2.50	2.08	12	9.6	83	70 - 130
1,1-Dichloroethene	2.50	2.20	9.9	8.7	88	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	100	70 - 130
Toluene-d8	100	70 - 130
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

148I 020121

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

975 ~~928~~ 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~~

№ 8199

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

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	Time Min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: VOC	Analysis: TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa #
SU-S082508				8/25/08	1440	School	1			X	X			11362
SU-G082508				8/25/08	1440	Campground	1			X	X			7508
SU-W082508				8/25/08	1440	Wetland	1			X	X			11408
SU-C082508				8/25/08	1440	Cell Tower	1			X	X			S-1489
~~SU-TB082508~~				8/25/08	840	~~Trip Blank~~	~~1~~			X	X			04191
Co-located						campground								

NO CUSTODY SEALS
RECEIVED AT AMBIENT TEMP
AND 9-2-08
1 BOX FEDX #
8605 3626 7716

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]	8/28 3:00	[signature]	9-2-08 11:15				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Comments:

Distributor: White - File; Yellow - Lab

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: LAWHON + ASSOC **Project:** _____ **Lot Number:** H8I020121

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)			✓	☐ 1a Do not match COC ☑ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☐ 1g Other:	1B, NO IDS ON TAGS, MATCHED BY CAN IDS
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☑ 4a Not present ☐ 4b Not intact ☐ 4c Other:	4A
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 #: 75700 PM Instructions: _____

Sample Receiving Associate: [signature] Date: 9-2-08

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: 09/11/08
Job Number: E08-09995
Date Received: 08/29/08
Date Analyzed: 09/11/08

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

Sample Name:	S082508-01A		S082508-02A		S082508-03A		Reporting Limits
IAL ID:	E08-09995-14		E08-09995-15		E08-09995-16		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.34	N/A	0.54	2.4	0.30	0.95	0.1
Acetaldehyde	< 0.1	N/A	0.28	1.2	0.24	0.76	0.1
Acetone	< 0.1	N/A	< 0.1	< 0.4	< 0.1	< 0.3	0.1
Acrolein	< 0.1	N/A	< 0.1	< 0.4	< 0.1	< 0.3	0.1
Propionaldehyde	< 0.1	N/A	< 0.1	< 0.4	< 0.1	< 0.3	0.1
Crotonaldehyde	< 0.1	N/A	< 0.1	< 0.4	< 0.1	< 0.3	0.1
Butyraldehyde	< 0.1	N/A	< 0.1	< 0.4	< 0.1	< 0.3	0.1
Benzaldehyde	< 0.1	N/A	< 0.1	< 0.4	< 0.1	< 0.3	0.1
Isovaleraldehyde	< 0.6	N/A	< 0.6	< 2.6	< 0.6	< 1.9	0.6
Valeraldehyde	< 0.2	N/A	< 0.2	< 0.9	< 0.2	< 0.6	0.2
o-Tolualdehyde	< 0.2	N/A	< 0.2	< 0.9	< 0.2	< 0.6	0.2
m- and p-Tolualdehyde	< 0.1	N/A	< 0.1	< 0.4	< 0.1	< 0.3	0.1
Hexaldehyde	< 0.1	N/A	< 0.1	< 0.4	< 0.1	< 0.3	0.1

Sample Name:	G082508-01A		G082508-02A		G082508-03A		Reporting Limits
IAL ID:	E08-09995-17		E08-09995-18		E08-09995-19		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.90	5.4	2.6	15	0.40	2.3	0.1
Acetaldehyde	0.24	1.4	0.56	3.3	0.22	1.3	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	0.11	0.67	< 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	0.16	0.96	< 0.1	< 0.6	0.1

Benzaldehyde	< 0.1	< 0.6	0.64	3.8	< 0.1	< 0.6	0.1
Isovaleraldehyde	< 0.6	< 3.6	< 0.6	< 3.6	< 0.6	< 3.5	0.6
Valeraldehyde	< 0.2	< 1.2	0.36	2.1	< 0.2	< 1.2	0.2
o-Tolualdehyde	< 0.2	< 1.2	< 0.2	< 1.2	< 0.2	< 1.2	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	1.1	6.7	< 0.1	< 0.6	0.1

Lawhon & Associates, Inc. Job Number: E08-09995
Jobsite: Countywide
Project: #07-0082

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

Sample Name:	C082508-01A		C082508-02A		C082508-03A		Reporting
IAL ID:	E08-09995-20		E08-09995-21		E08-09995-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	2.0	17	3.6	31	0.58	4.7	0.1
Acetaldehyde	0.42	3.5	0.72	6.2	0.26	2.1	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 0.9	< 0.1	< 0.8	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 0.9	< 0.1	< 0.8	0.1
Propionaldehyde	< 0.1	< 0.8	0.18	1.5	< 0.1	< 0.8	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 0.9	< 0.1	< 0.8	0.1
Butyraldehyde	0.13	1.0	0.19	1.6	< 0.1	< 0.8	0.1
Benzaldehyde	0.40	3.3	0.80	6.9	0.18	1.5	0.1
Isovaleraldehyde	< 0.6	< 5.0	< 0.6	< 5.2	< 0.6	< 4.9	0.6
Valeraldehyde	< 0.2	< 1.7	0.32	2.8	< 0.2	< 1.6	0.2
o-Tolualdehyde	< 0.2	< 1.7	< 0.2	< 1.7	< 0.2	< 1.6	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 0.9	< 0.1	< 0.8	0.1
Hexaldehyde	0.56	4.6	1.2	10	< 0.1	< 0.8	0.1

Sample Name:	W082508-01A		W082508-02A		W082508-03A		Reporting
IAL ID:	E08-09995-23		E08-09995-24		E08-09995-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.0	6.9	2.2	20	0.19	1.0	0.1
Acetaldehyde	0.28	1.9	0.66	6.1	0.16	0.91	0.1
Acetone	< 0.1	< 0.7	< 0.1	< 0.9	< 0.1	< 0.6	0.1
Acrolein	< 0.1	< 0.7	< 0.1	< 0.9	< 0.1	< 0.6	0.1

Propionaldehyde	< 0.1	< 0.7	0.18	1.6	< 0.1	< 0.6	0.1
Crotonaldehyde	< 0.1	< 0.7	< 0.1	< 0.9	< 0.1	< 0.6	0.1
Butyraldehyde	0.11	0.72	0.22	2.0	< 0.1	< 0.6	0.1
Benzaldehyde	0.26	1.7	0.46	4.2	< 0.1	< 0.6	0.1
Isovaleraldehyde	< 0.6	< 4.0	< 0.6	< 5.5	< 0.6	< 3.3	0.6
Valeraldehyde	0.32	2.1	0.62	5.7	< 0.2	< 1.1	0.2
o-Tolualdehyde	< 0.2	< 1.3	< 0.2	< 1.8	< 0.2	< 1.1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.7	< 0.1	< 0.9	< 0.1	< 0.6	0.1
Hexaldehyde	1.0	6.8	1.9	18	< 0.1	< 0.6	0.1

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

Job Number: E08-09995

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

Sample Name:	082508A-A		Reporting
IAL ID:	E08-09995-26		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: 09/15/08
Job Number: E08-09995
Date Received: 8/29/08
Date Analyzed: 09/12/08

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
S082508-01H	E08-09995-01	0.74	N/A	< 0.4	N/A
S082508-02H	E08-09995-02	1.8	12	< 0.4	< 2.6
S082508-03H	E08-09995-03	0.95	3.7	< 0.4	< 1.5
G082508-01H	E08-09995-04	1.3	11	< 0.4	< 3.1
G082508-02H	E08-09995-05	1.4	9.0	< 0.4	< 2.5
G082508-03H	E08-09995-06	1.1	7.6	< 0.4	< 2.7
C082508-01H	E08-09995-07	1.1	13	< 0.4	< 4.6
C082508-02H *	E08-09995-08	2.2	21	< 0.4	< 3.8
C082508-03H	E08-09995-09	1.0	9.7	< 0.4	< 3.7
W082508-01H *	E08-09995-10	1.8	20	< 0.4	< 4.1
W082508-02H*	E08-09995-11	2.6	23	< 0.4	< 3.4
W082508-03H	E08-09995-12	0.68	4.3	< 0.4	< 2.4
082508A-H*	E08-09995-13	1.5	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 #17

October 20, 2008

APPENDIX B. Laboratory Analytical Results from Event #78:
Sampling conducted Sunday August 31 to Monday September 01, 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 #: H8I050352

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

September 16, 2008

ANALYTICAL METHODS SUMMARY

H8I050352

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

H8I050352

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KWDXN	001	SU-ST083108	08/31/08	14:40
KWDXT	002	SU-GT083108	08/31/08	14:40
KWDXW	003	SU-CT083108	08/31/08	14:40
KWDX0	004	SU-WT083108	08/31/08	14:40
KWDX3	005	SU-~~TB083108~~ Co-located wetland	08/31/08	

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
H8I050352

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 "Relinquished by" field on the chain of custody documentation did not contain a signature.

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.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Cert. #05-043-0, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906, Hawaii DOH, Illinois EPA Cert. #000687, Indiana DOH Cert. #C-TN-02, Iowa DNR Cert. #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab ID #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH Cert. #LA030024, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #TN001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Cert. #CL0059, Oklahoma DEQ ID #9415, Pennsylvania DEP Cert. #68-00576, South Carolina DHEC Lab ID #84001001, Tennessee DOH Lab ID #02014, Utah DOH Cert. # QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, West Virginia DEP Cert. #345, Wisconsin DNR Lab ID #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-ST083108

GC/MS Volatiles

Lot-Sample #	H81050352 - 001	Work Order #	KWDXN1AA	Matrix.....:	AIR

Date Sampled...:	08/31/2008	Date Received..:	09/05/2008
Prep Date.....:	09/10/2008	Analysis Date...	09/10/2008
Prep Batch #.....:	8255079		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**9.3**	**5.0**	**22**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.36**	**0.50**	**1.3**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.23**	**2.0**	**0.69**	**J**	**6.1**
Methylene chloride	**0.31**	**0.50**	**1.1**	**J B**	**1.7**
Benzene	**0.15**	**0.20**	**0.47**	**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**	**0.43**	**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	**0.12**	**0.20**	**0.64**	**J**	**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	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)	**0.67**	**1.0**	**2.0**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.12**	**0.50**	**0.39**	**J**	**1.6**
Carbon tetrachloride	**0.068**	**0.20**	**0.43**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-ST083108

GC/MS Volatiles

Lot-Sample # H8I050352 - 001 Work Order # KWDXN1AA 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	**0.13**	**0.20**	**0.33**	**J**	**0.53**
Chloroform	**0.054**	**0.20**	**0.26**	**J**	**0.98**
Chloromethane	**0.90**	**0.50**	**1.9**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.10**	**0.50**	**0.34**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	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
Unknown	7.4	ppb(v/v)
Unknown	3.5	ppb(v/v)
Unknown	2.5	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	105	70 - 130
Toluene-d8	101	70 - 130
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-GT083108

GC/MS Volatiles

Lot-Sample #	H81050352 - 002	Work Order #	KWDXT1AA	Matrix.....:	AIR

Date Sampled...:	08/31/2008	Date Received..:	09/05/2008
Prep Date.....:	09/10/2008	Analysis Date...	09/10/2008
Prep Batch #.....:	8255079		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.3**	**5.0**	**15**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.22**	**0.50**	**0.88**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.28**	**0.50**	**0.99**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.046**	**0.50**	**0.22**	**J**	**2.3**
tert-Butyl alcohol	**0.13**	**2.0**	**0.39**	**J**	**6.1**
Methylene chloride	**0.24**	**0.50**	**0.83**	**J 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	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.40**	**0.20**	**1.5**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.079**	**0.20**	**0.60**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.067**	**0.20**	**0.33**	**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**	**0.63**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.78**	**1.0**	**2.3**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.053**	**0.50**	**0.16**	**J**	**1.6**
Carbon tetrachloride	**0.082**	**0.20**	**0.51**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-GT083108

GC/MS Volatiles

Lot-Sample # H8I050352 - 002 Work Order # KWDXT1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.59**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.095**	**0.50**	**0.33**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.47**	**0.20**	**2.3**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Propane	4.6	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	105	70 - 130
Toluene-d8	100	70 - 130
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-CT083108

GC/MS Volatiles

Lot-Sample #	H81050352 - 003	Work Order #	KWDXW1AA	Matrix.....:	AIR

Date Sampled...:	08/31/2008	Date Received..:	09/05/2008
Prep Date.....:	09/10/2008	Analysis Date...	09/10/2008
Prep Batch #.....:	8255079		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**9.2**	**5.0**	**22**		**12**
Ethylbenzene	**0.072**	**0.20**	**0.31**	**J**	**0.87**
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.17**	**0.50**	**0.69**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.27**	**0.50**	**0.97**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.046**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	**0.24**	**2.0**	**0.72**	**J**	**6.1**
Methylene chloride	**0.41**	**0.50**	**1.4**	**J B**	**1.7**
Benzene	**0.70**	**0.20**	**2.2**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.33**	**1.0**	**0.98**	**J**	**2.9**
Toluene	**0.49**	**0.20**	**1.8**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.075**	**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	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.17**	**0.20**	**0.72**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.0**	**1.0**	**3.1**		**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	**0.12**	**0.50**	**0.39**	**J**	**1.6**
Carbon tetrachloride	**0.084**	**0.20**	**0.53**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-CT083108

GC/MS Volatiles

Lot-Sample # H81050352 - 003 Work Order # KWDXW1AA 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	**0.37**	**0.20**	**0.98**		**0.53**
Chloroform	**0.12**	**0.20**	**0.58**	**J**	**0.98**
Chloromethane	**1.6**	**0.50**	**3.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.091**	**0.50**	**0.31**	**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
Unknown	4.2	ppb(v/v)
Unknown	2.9	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	105	70 - 130
Toluene-d8	100	70 - 130
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-WT083108

GC/MS Volatiles

Lot-Sample #	H8I050352 - 004	**Work Order #**	KWDX01AA	**Matrix.....:**	AIR

Date Sampled...:	08/31/2008	**Date Received..:**	09/05/2008
Prep Date.....:	09/10/2008	**Analysis Date...**	09/10/2008
Prep Batch #.....:	8255079		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**5.6**	**5.0**	**13**		**12**
Ethylbenzene	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	**0.18**	**0.50**	**0.62**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.15**	**2.0**	**0.45**	**J**	**6.1**
Methylene chloride	**0.23**	**0.50**	**0.81**	**J B**	**1.7**
Benzene	**0.21**	**0.20**	**0.66**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.35**	**0.20**	**1.3**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.080**	**0.20**	**0.61**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.76**	**1.0**	**2.2**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.099**	**0.50**	**0.31**	**J**	**1.6**
Carbon tetrachloride	**0.094**	**0.20**	**0.59**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-WT083108

GC/MS Volatiles

Lot-Sample # H8I050352 - 004 **Work Order #** KWDX01AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.041**	**0.20**	**0.20**	**J**	**0.98**
Chloromethane	**0.49**	**0.50**	**1.0**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.048**	**0.50**	**0.16**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.47**	**0.20**	**2.3**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Propane	2.7	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	106	70 - 130
Toluene-d8	101	70 - 130
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-~~TB083108~~ Co-located wetland

GC/MS Volatiles

Lot-Sample #	H8I050352 - 005	**Work Order #**	KWDX31AA	**Matrix.....:**	AIR

Date Sampled...:	08/31/2008	**Date Received..:**	09/05/2008
Prep Date.....:	09/10/2008	**Analysis Date...**	09/11/2008
Prep Batch #.....:	8255079		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.1**	**5.0**	**15**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**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	**0.26**	**0.50**	**0.93**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.15**	**2.0**	**0.46**	**J**	**6.1**
Methylene chloride	**0.32**	**0.50**	**1.1**	**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	**0.29**	**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	**0.080**	**0.20**	**0.62**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.070**	**0.20**	**0.34**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	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)	**0.68**	**1.0**	**2.0**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.064**	**0.50**	**0.20**	**J**	**1.6**
Carbon tetrachloride	**0.082**	**0.20**	**0.52**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-TB083108

GC/MS Volatiles

Lot-Sample # H81050352 - 005 **Work Order #** KWDX31AA **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	**0.17**	**0.20**	**0.44**	**J**	**0.53**
Chloroform	**0.12**	**0.20**	**0.59**	**J**	**0.98**
Chloromethane	**1.1**	**0.50**	**2.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.073**	**0.50**	**0.25**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.48**	**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
Unknown	4.5	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	104	70 - 130
Toluene-d8	103	70 - 130
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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8I110000 - 079B **Work Order #** KWMVX1AA **Matrix.....:** AIR

	09/05/2008	**Date Received..:**	09/09/2008
Prep Date.....:	09/10/2008	**Analysis Date...**	09/10/2008
Prep Batch #.....:	8255079		
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	**0.13**	**0.50**	**0.45**	**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 # H8I110000 - 079B Work Order # KWMVX1AA 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 (%)
1,2-Dichloroethane-d4	102	70 - 130
Toluene-d8	101	70 - 130
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 # H8I110000 - 079C **Work Order #** KWMVX1AC **Matrix.....:** AIR

	09/05/2008	**Date Received..:**	09/09/2008
Prep Date.....:	09/10/2008	**Analysis Date...**	09/10/2008
Prep Batch #.....:	8255079		
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	2.00	8.0	6.4	80	70 - 130
Toluene	2.50	1.97	9.4	7.4	79	70 - 130
Trichloroethene	2.50	2.24	13	12	90	70 - 130
Chlorobenzene	2.50	2.00	12	9.2	80	70 - 130
1,1-Dichloroethene	2.50	2.35	9.9	9.3	94	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	100	70 - 130
Toluene-d8	100	70 - 130
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

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

H8I050352

№ 8194

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

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	Time min	Sample Location	Number of Containers	Turn Around Requirements / Analysis / Method: VOC TO15	TIC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-ST083108				8/31/08	1440	School	1	X	X			12586
SU-GT083108				8/31/08	1440	Campground	1	X	X			21639
SU-CT083108				8/31/08	1440	Cell Tower	1	X	X			92071
SU-WT083108				8/31/08	1440	Wetland	1	X	X			11374
SU-~~TB083108~~				8/31/08		~~Trip Blank~~	1	X	X			1118
Co-located						wetland						

REC. AT AMBIENT
NO CUSTODY SEAL
1 BOX RH 9/5/08
FED EX # 866536267646
5 CANS / 5 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
		Ryan Henry	9/5/08 0940				
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

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8I050352

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 LABELS. 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:	4a
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) Alt	✓	✓		☑ 14a Not relinquished	14a
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? Alt OK	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: 79705 PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 9/5/08

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: 09/18/08
Job Number: E08-10181
Date Received: 09/04/08
Date Analyzed: 09/17/08

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

Sample Name:	S083108-01A		S083108-02A		S083108-03A		Reporting Limits
IAL ID:	E08-10181-14		E08-10181-15		E08-10181-16		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.8	12	2.6	13	0.62	3.2	0.1
Acetaldehyde	0.22	1.5	0.72	3.6	0.24	1.2	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	0.32	1.6	< 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	0.17	0.86	< 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	< 0.6	< 3.0	< 0.6	< 3.1	0.6
Valeraldehyde	< 0.2	< 1.3	< 0.2	< 1.0	< 0.2	< 1.0	0.2
o-Tolualdehyde	< 0.2	< 1.3	< 0.2	< 1.0	< 0.2	< 1.0	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	0.34	1.7	< 0.1	< 0.5	0.1

Sample Name:	G083108-01A		G083108-02A		G083108-03A		Reporting Limits
IAL ID:	E08-10181-17		E08-10181-18		E08-10181-19		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	4.4	30	3.6	20	0.90	5.7	0.1
Acetaldehyde	1.2	7.8	1.1	6.1	0.38	2.4	0.1
Acetone	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Acrolein	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Propionaldehyde	0.30	2.0	0.40	2.2	< 0.1	< 0.6	0.1
Crotonaldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Butyraldehyde	0.52	3.5	0.50	2.7	< 0.1	< 0.6	0.1

Benzaldehyde	1.3	9.1	0.96	5.2	0.11	0.71	0.1
Isovaleraldehyde	< 0.6	< 4.1	< 0.6	< 3.3	< 0.6	< 3.8	0.6
Valeraldehyde	1.2	8.0	1.1	6.1	< 0.2	< 1.3	0.2
o-Tolualdehyde	< 0.2	< 1.4	< 0.2	< 1.1	< 0.2	< 1.3	0.2
m- and p-Tolualdehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Hexaldehyde	3.0	20.3	2.6	14	0.42	2.7	0.1

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

Job Number: E08-10181

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

Sample Name:	C083108-01A		C083108-02A		C083108-03A		Reporting Limits
IAL ID:	E08-10181-20		E08-10181-21		E08-10181-22		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	4.2	35	3.4	35	1.2	11	0.1
Acetaldehyde	1.1	9.2	0.90	9.1	0.44	3.8	0.1
Acetone	< 0.1	< 0.8	< 0.1	< 1.0	< 0.1	< 0.9	0.1
Acrolein	< 0.1	< 0.8	< 0.1	< 1.0	< 0.1	< 0.9	0.1
Propionaldehyde	0.42	3.5	0.24	2.4	0.13	1.1	0.1
Crotonaldehyde	< 0.1	< 0.8	< 0.1	< 1.0	< 0.1	< 0.9	0.1
Butyraldehyde	0.38	3.2	0.26	2.6	0.10	0.87	0.1
Benzaldehyde	0.98	8.2	0.54	5.5	< 0.1	< 0.9	0.1
Isovaleraldehyde	< 0.6	< 5.0	< 0.6	< 6.1	< 0.6	< 5.1	0.6
Valeraldehyde	0.68	5.7	0.32	3.3	< 0.2	< 1.7	0.2
o-Tolualdehyde	< 0.2	< 1.7	< 0.2	< 2.0	< 0.2	< 1.7	0.2
m- and p-Tolualdehyde	< 0.1	< 0.8	< 0.1	< 1.0	< 0.1	< 0.9	0.1
Hexaldehyde	1.7	15	1.4	14	< 0.1	< 0.9	0.1

Sample Name:	W083108-01A		W083108-02A		W083108-03A		Reporting Limits
IAL ID:	E08-10181-23		E08-10181-24		E08-10181-25		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	2.8	14	5.0	25	1.3	8.2	0.1
Acetaldehyde	0.92	4.6	0.58	3.0	0.30	1.9	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	0.26	1.3	0.28	1.4	< 0.1	< 0.6	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Butyraldehyde	0.36	1.8	0.44	2.2	< 0.1	< 0.6	0.1
Benzaldehyde	0.54	2.7	0.70	3.6	< 0.1	< 0.6	0.1
Isovaleraldehyde	< 0.6	< 3.0	< 0.6	< 3.1	< 0.6	< 3.8	0.6
Valeraldehyde	< 0.2	< 1.0	1.04	5.3	< 0.2	< 1.3	0.2
o-Tolualdehyde	< 0.2	< 1.0	< 0.2	< 1.0	< 0.2	< 1.3	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Hexaldehyde	3.0	15	2.6	13	0.15	1.0	0.1

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

Job Number: E08-10181

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

Sample Name:	083108A-A		Reporting Limits
IAL ID:	E08-10181-26		
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: 09/22/08
Job Number: E08-10181
Date Received: 09/04/08
Date Analyzed: 09/19/08

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
S083108-01H	E08-10181-01	< 0.6	< 5	< 0.4	N/A
S083108-02H	E08-10181-02	1.1	6.0	< 0.4	< 2.2
S083108-03H	E08-10181-03	< 0.6	< 4	< 0.4	< 2.6
G083108-01H	E08-10181-04	1.6	12	< 0.4	< 3.0
G083108-02H	E08-10181-05	1.1	7.5	< 0.4	< 2.6
G083108-03H	E08-10181-06	0.84	6.5	< 0.4	< 3.0
C083108-01H	E08-10181-07	1.5	18	< 0.4	< 4.8
C083108-02H	E08-10181-08	1.1	12	< 0.4	< 4.5
C083108-03H	E08-10181-09	< 0.6	< 8	< 0.4	< 4.8
W083108-01H	E08-10181-10	1.1	8.4	< 0.4	< 3.0
W083108-02H	E08-10181-11	1.2	8.3	< 0.4	< 2.7
W083108-03H	E08-10181-12	0.79	5.3	< 0.4	< 2.6
083108A-H	E08-10181-13	< 0.6	N/A	< 0.4	N/A
Reporting Limit		0.6		0.4	

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

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: J. Walukiewicz

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #17

October 20, 2008

APPENDIX C. Laboratory Analytical Results from Event #79:
Sampling conducted Saturday September 6 to Sunday September 7, 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 #: H8I110333

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

September 25, 2008

ANALYTICAL METHODS SUMMARY

H8I110333

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

H8I110333

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KWP32	001	SU-ST090608	09/06/08	14:40
KWP34	002	SU-GT090608	09/06/08	14:40
KWP35	003	SU-CT090608	09/06/08	14:40
KWP38	004	SU-WT090608	09/06/08	14:40
KWP39	005	SU-~~TB090608~~ Co-located cell tower	09/06/08	14:40

NOTE(S):

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

PROJECT NARRATIVE
H8I110333

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 "Relinquished by" field on the chain of custody documentation did not contain a signature.

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.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. The laboratory standard operating procedure allows up to four analytes in the calibration verification to be ≤40% difference from the initial calibration. The calibration verification analyzed on 9/15/08 exhibited a %difference of >30% but ≤40% for trans-1,3-dichloropropene.

TestAmerica Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Cert. #05-043-0, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906, Hawaii DOH, Illinois EPA Cert. #000687, Indiana DOH Cert. #C-TN-02, Iowa DNR Cert. #375, Kansas DHE Cert. #E-10349, Kentucky DEP Lab ID #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH Cert. #LA030024, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #TN001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, North Carolina DEHNR Cert. #64, Ohio EPA VAP Cert. #CL0059, Oklahoma DEQ ID #9415, Pennsylvania DEP Cert. #68-00576, South Carolina DHEC Lab ID #84001001, Tennessee DOH Lab ID #02014, Utah DOH Cert. # QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, West Virginia DEP Cert. #345, Wisconsin DNR Lab ID #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-ST090608

GC/MS Volatiles

Lot-Sample #	H8I110333 - 001	Work Order #	KWP321AA	Matrix.....:	AIR

Date Sampled...:	09/06/2008	Date Received..:	09/11/2008
Prep Date.....:	09/15/2008	Analysis Date...	09/15/2008
Prep Batch #.....:	8260089		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	4.0	5.0	9.5	J	12
Ethylbenzene	0.074	0.20	0.32	J	0.87
Trichlorofluoromethane	0.24	0.20	1.4		1.1
n-Heptane	0.15	0.50	0.60	J	2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.23	0.50	0.81	J	1.8
2,2,4-Trimethylpentane	0.074	0.50	0.34	J	2.3
tert-Butyl alcohol	0.096	2.0	0.29	J	6.1
Methylene chloride	0.55	0.50	1.9	B	1.7
Benzene	0.24	0.20	0.78		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	0.61	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	0.080	0.20	0.62	J	1.5
1,2,4-Trimethylbenzene	0.077	0.20	0.38	J	0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.076	0.20	0.33	J	0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	0.20	0.20	0.88		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	0.54	1.0	1.6	J	2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	0.13	0.50	0.39	J	1.6
Carbon tetrachloride	0.099	0.20	0.62	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-ST090608

GC/MS Volatiles

Lot-Sample # HS1110333 - 001 Work Order # KWP321AA 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	**0.054**	**0.20**	**0.27**	**J**	**0.98**
Chloromethane	**0.61**	**0.50**	**1.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.086**	**0.50**	**0.30**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.47**	**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 (%)
1,2-Dichloroethane-d4	100	70 - 130
Toluene-d8	101	70 - 130
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-GT090608

GC/MS Volatiles

Lot-Sample #	H81110333 - 002	Work Order #	KWP341AA	Matrix.....:	AIR

Date Sampled...:	09/06/2008	Date Received..:	09/11/2008
Prep Date.....:	09/15/2008	Analysis Date...	09/15/2008
Prep Batch #.....:	8260089		
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	**5.4**	**5.0**	**13**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.15**	**0.50**	**0.60**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.20**	**0.50**	**0.72**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.039**	**0.50**	**0.18**	**J**	**2.3**
tert-Butyl alcohol	**0.086**	**2.0**	**0.26**	**J**	**6.1**
Methylene chloride	**0.33**	**0.50**	**1.1**	**J 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	**0.35**	**0.20**	**1.3**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.076**	**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)	**0.75**	**1.0**	**2.2**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.054**	**0.50**	**0.17**	**J**	**1.6**
Carbon tetrachloride	**0.081**	**0.20**	**0.51**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-GT090608

GC/MS Volatiles

Lot-Sample # H8I110333 - 002 Work Order # KWP341AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.54**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.062**	**0.50**	**0.21**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.47**	**0.20**	**2.3**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Propane	3.6	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	101	70 - 130
Toluene-d8	101	70 - 130
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-CT090608

GC/MS Volatiles

Lot-Sample #	H81110333 - 003	Work Order #	KWP351AA	Matrix.....:	AIR

Date Sampled...:	09/06/2008	Date Received..:	09/11/2008
Prep Date.....:	09/15/2008	Analysis Date...	09/15/2008
Prep Batch #.....:	8260089		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	4.5	5.0	11	J	12
Ethylbenzene	0.12	0.20	0.52	J	0.87
Trichlorofluoromethane	0.42	0.20	2.3		1.1
n-Heptane	0.10	0.50	0.43	J	2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.39	0.50	1.4	J	1.8
2,2,4-Trimethylpentane	0.13	0.50	0.61	J	2.3
tert-Butyl alcohol	0.083	2.0	0.25	J	6.1
Methylene chloride	3.6	0.50	13	B	1.7
Benzene	0.23	0.20	0.75		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	0.62	0.20	2.4		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.082	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	0.089	0.20	0.39	J	0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	0.26	0.20	1.1		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	0.74	1.0	2.2	J	2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	0.035	0.50	0.11	J	1.6
Carbon tetrachloride	0.15	0.20	0.93	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-CT090608

GC/MS Volatiles

Lot-Sample # H81110333 - 003 Work Order # KWP351AA 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	**0.11**	**0.20**	**0.55**	**J**	**0.98**
Chloromethane	**0.52**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**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 (%)
1,2-Dichloroethane-d4	105	70 - 130
Toluene-d8	99	70 - 130
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-WT090608

GC/MS Volatiles

Lot-Sample #	H8I110333 - 004	Work Order #	KWP381AA	Matrix.....:	AIR

Date Sampled...:	09/06/2008	Date Received..:	09/11/2008
Prep Date.....:	09/15/2008	Analysis Date...	09/15/2008
Prep Batch #.....:	8260089		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	6.8	5.0	16		12
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	0.24	0.20	1.4		1.1
n-Heptane	0.095	0.50	0.39	J	2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.13	0.50	0.46	J	1.8
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	0.067	2.0	0.20	J	6.1
Methylene chloride	0.44	0.50	1.5	J B	1.7
Benzene	0.13	0.20	0.40	J	0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	0.49	0.20	3.3		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	0.33	0.20	1.3		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	0.035	0.20	0.19	J	1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	0.047	0.20	0.25	J	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.10	0.20	0.79	J	1.5
1,2,4-Trimethylbenzene	0.26	0.20	1.3		0.98
1,3,5-Trimethylbenzene	0.17	0.20	0.83	J	0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.41	0.20	1.8		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	0.70	0.20	3.0		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	0.84	1.0	2.5	J	2.9
4-Methyl-2-pentanone (MIBK)	0.051	0.50	0.21	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	0.16	0.40	0.79	J	2.0
Carbon disulfide	0.090	0.50	0.28	J	1.6
Carbon tetrachloride	0.099	0.20	0.62	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-WT090608

GC/MS Volatiles

Lot-Sample # H8I110333 - 004 Work Order # KWP381AA 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	**0.13**	**0.20**	**0.64**	**J**	**0.98**
Chloromethane	**0.58**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.48**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Acetaldehyde	3.5	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	105	70 - 130
Toluene-d8	99	70 - 130
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-~~TB090608~~ co-located cell tower

GC/MS Volatiles

Lot-Sample #	H81110333 - 005	Work Order #	KWP391AA	Matrix.....:	AIR

Date Sampled...:	09/06/2008	Date Received..:	09/11/2008
Prep Date.....:	09/15/2008	Analysis Date...	09/15/2008
Prep Batch #.....:	8260089		
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	10	5.0	25		12
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	0.25	0.20	1.4		1.1
n-Heptane	0.080	0.50	0.33	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	0.098	2.0	0.30	J	6.1
Methylene chloride	0.55	0.50	1.9	B	1.7
Benzene	0.20	0.20	0.64		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	0.084	0.20	0.64	J	1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	0.48	1.0	1.4	J	2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	0.16	0.20	1.0	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-TB090608

GC/MS Volatiles

Lot-Sample # H8I110333 - 005 Work Order # KWP391AA 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	**0.13**	**0.20**	**0.62**	**J**	**0.98**
Chloromethane	**0.52**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.52**	**0.20**	**2.6**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	106	70 - 130
Toluene-d8	97	70 - 130
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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H81160000 - 089B	Work Order #	KWXLA1AA	Matrix.....:	AIR
	09/12/2008	Date Received..:	09/13/2008		
Prep Date.....:	09/15/2008	Analysis Date...	09/15/2008		
Prep Batch #.....:	8260089				
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 # H8I160000 - 089B Work Order # KWXLA1AA 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 (%)
1,2-Dichloroethane-d4	99	70 - 130
Toluene-d8	105	70 - 130
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 #	H81160000 - 089C	Work Order #	KWXLA1AC	Matrix.....:	AIR
	09/12/2008	Date Received..:	09/13/2008		
Prep Date.....:	09/15/2008	Analysis Date...	09/15/2008		
Prep Batch #.....:	8260089				
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	1.94	8.0	6.2	78	70 - 130
Toluene	2.50	1.87	9.4	7.1	75	70 - 130
Trichloroethene	2.50	2.20	13	12	88	70 - 130
Chlorobenzene	2.50	1.91	12	8.8	76	70 - 130
1,1-Dichloroethene	2.50	2.33	9.9	9.3	93	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	100	70 - 130
Toluene-d8	101	70 - 130
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 190 ~~211~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2119 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0100~~
~~Fax: (216) 737-0109~~

178I110333

№ 8191

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

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	Time (Min)	Sample Location	Number of Containers	Turn Around/Requirements	Analysis	Method	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-ST090608				9/6/08	1440	School	1		X	X			6957
SU-GT090608				9/6/08	1440	Campground	1		X	X			1365
SU-CT090608				9/6/08	1440	Cell Tower	1		X	X			1124
SU-WT090608				9/6/08	1440	Wetland	1		X	X			6606
SU-~~TB090608~~				9/6/08	1440	~~Trip Blank~~	1		X	X			6631
co-located						cell tower							

Analysis: VOC, TIC; Method: TO15

NO CUSTODY SEALS
RECEIVED AT AMBIENT
TEMP 0.0 9-11-08
FEDEX #
8665 3626 7510

5 CANS / 15 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
		[signature]	9-11-08 04:45				
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

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: LAWHON + ASSOC **Project:** COUNTY WIDE **Lot Number:** H8I110333

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)			✓	☐ 1a Do not match COC ☑ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☐ 1g Other:	ID, NO ID'S ON CANISTERS, MATCHED BY CAN ID 4A 4A
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☑ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			✓	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed) 9-11-08	✓	✓		☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: 79700 PM Instructions: _____

Sample Receiving Associate: _____ 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: 09/24/08
Job Number: E08-10415
Date Received: 09/10/08
Date Analyzed: 09/23/08

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

Sample Name:	S090608-01A		S090608-02A		S090608-03A		Reporting Limits
IAL ID:	E08-10415-14		E08-10415-15		E08-10415-16		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.1	7.6	1.1	5.2	0.54	2.9	0.1
Acetaldehyde	0.20	1.3	0.24	1.2	0.17	0.92	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	< 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	< 0.7	< 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:	G090608-01A		G090608-02A*		G090608-03A		Reporting Limits
IAL ID:	E08-10415-17		E08-10415-18		E08-10415-19		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.78	5.6	0.50	2.7	0.28	1.7	0.1
Acetaldehyde	0.12	0.88	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Acetone	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Acrolein	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Propionaldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Crotonaldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Butyraldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1

Benzaldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Isovaleraldehyde	< 0.6	< 4	< 0.6	< 3	< 0.6	< 4	0.6
Valeraldehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Hexaldehyde	< 0.1	< 0.7	< 0.1	< 0.5	< 0.1	< 0.6	0.1

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

Job Number: E08-10415

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

Sample Name:	C090608-01A		C090608-02A		C090608-03A		Reporting Limits
IAL ID:	E08-10415-20		E08-10415-21		E08-10415-22		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.24	1.1	< 0.1	< 1	0.10	0.47	0.1
Acetaldehyde	0.12	0.57	< 0.1	< 0.5	< 0.1	< 0.5	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	< 0.10	< 0.5	< 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	< 0.10	< 0.5	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Benzaldehyde	< 0.10	< 0.5	< 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	< 1.1	< 0.2	< 0.9	0.2
o-Tolualdehyde	< 0.2	< 0.9	< 0.2	< 1.1	< 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:	W090608-01A*		W090608-02A		W090608-03A		Reporting Limits
IAL ID:	E08-10415-23		E08-10415-24		E08-10415-25		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	2.4	12	2.2	11	0.88	5.5	0.1
Acetaldehyde	0.69	3.4	0.58	2.9	0.18	1.1	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	0.13	0.63	0.13	0.67	< 0.1	< 0.6	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.6	0.1
Butyraldehyde	0.28	1.4	0.17	0.85	< 0.1	< 0.6	0.1
Benzaldehyde	0.62	3.1	0.44	2.2	< 0.1	< 0.6	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 4	0.6
Valeraldehyde	< 0.2	< 1	0.40	2.0	< 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	1.5	7.4	< 0.1	< 0.6	0.1

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

Job Number: E08-10415

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

Sample Name: 090608A-A
IAL ID: E08-10415-26

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

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

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

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: 9/23/08
Job Number: E08-10415
Date Received: 09/10/08
Date Analyzed: 9/23/08

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
S090608-01H	E08-10415-01	0.79	8.1	< 0.4	< 4
S090608-02H	E08-10415-02	0.79	4.9	< 0.4	< 2
S090608-03H	E08-10415-03	< 0.6	< 4	< 0.4	< 3
G090608-01H	E08-10415-04	< 0.6	< 4	< 0.4	< 3
G090608-02H	E08-10415-05	< 0.6	< 4	< 0.4	< 3
G090608-03H	E08-10415-06	< 0.6	< 4	< 0.4	< 3
C090608-01H	E08-10415-07	< 0.6	< 3	< 0.4	< 2
C090608-02H	E08-10415-08	< 0.6	< 4	< 0.4	< 2
C090608-03H	E08-10415-09	< 0.6	< 4	< 0.4	< 2
W090608-01H	E08-10415-10	1.1	10	< 0.4	< 4
W090608-02H	E08-10415-11	1.0	6.6	< 0.4	< 3
W090608-03H	E08-10415-12	0.74	4.8	< 0.4	< 3
090608A-H	E08-10415-13	< 0.6	N/A	< 0.4	N/A
Reporting Limit		0.6		0.4	

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

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: J. Walukiewicz

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #17

October 20, 2008

APPENDIX D. Laboratory Analytical Results from Event #80:
Sampling conducted Friday September 12 to Saturday September 13, 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 #: H8I170255

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

September 30, 2008

ANALYTICAL METHODS SUMMARY

H8I170255

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

H8I170255

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KW26P	001	SU-ST091208	09/12/08	
KW26W	002	SU-GT091208	09/12/08	
KW260	003	SU-CT091208	09/12/08	
KW261	004	SU-WT091208	09/12/08	
KW262	005	SU-COS091208 Co-located school	09/12/08	
~~KW263~~	~~006~~	~~SU-S1091208~~ not community sample	09/12/08	

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
H8I170255

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.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. The laboratory standard operating procedure allows up to four analytes in the calibration verification to be ≤40% difference from the initial calibration. The calibration verification analyzed on 9/18/08 exhibited a %difference of >30% but ≤40% for acetone.

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

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-ST091208

GC/MS Volatiles

Lot-Sample #	H8I170255 - 001	Work Order #	KW26P1AA	Matrix.....:	AIR

Date Sampled...:	09/12/2008	Date Received..:	09/17/2008
Prep Date.....:	09/18/2008	Analysis Date...	09/18/2008
Prep Batch #.....:	8263080		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**16**	**5.0**	**37**		**12**
Ethylbenzene	**0.12**	**0.20**	**0.53**	**J**	**0.87**
Trichlorofluoromethane	**0.24**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.22**	**0.50**	**0.90**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.27**	**0.50**	**0.96**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.083**	**0.50**	**0.39**	**J**	**2.3**
tert-Butyl alcohol	**0.20**	**2.0**	**0.62**	**J**	**6.1**
Methylene chloride	**0.45**	**0.50**	**1.6**	**J B**	**1.7**
Benzene	**0.30**	**0.20**	**0.96**	**B**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.083**	**1.0**	**0.25**	**J**	**2.9**
Toluene	**0.94**	**0.20**	**3.5**	**B**	**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	**0.43**	**0.20**	**2.3**		**1.1**
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.099**	**0.20**	**0.76**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.15**	**0.20**	**0.75**	**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**	**0.54**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.31**	**0.20**	**1.4**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.5**	**1.0**	**4.5**		**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	**0.18**	**0.50**	**0.55**	**J B**	**1.6**
Carbon tetrachloride	**0.12**	**0.20**	**0.77**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-ST091208

GC/MS Volatiles

Lot-Sample # H8I170255 - 001 **Work Order #** KW26P1AA **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	**0.065**	**0.20**	**0.32**	**J**	**0.98**
Chloromethane	**0.54**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.089**	**0.50**	**0.31**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.51**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Undecane	6.0	ppb(v/v)
Unknown	3.0	ppb(v/v)
Unknown	11	ppb(v/v)
Unknown	3.6	ppb(v/v)
Unknown	3.6	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	111	70 - 130
Toluene-d8	105	70 - 130
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.

Lawhon & Associates, Inc.

Client Sample ID: SU-ST091208

GC/MS Volatiles

Lot-Sample #	H81170255 - 001	**Work Order #**	KW26P1AA	**Matrix.....:**	AIR

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-GT091208

GC/MS Volatiles

Lot-Sample # H8I170255 - 002 **Work Order #** KW26W1AA **Matrix.....:** AIR

Date Sampled...: 09/12/2008 **Date Received..:** 09/17/2008
Prep Date.....: 09/18/2008 **Analysis Date...** 09/18/2008
Prep Batch #.....: 8263080
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**13**	**5.0**	**32**		**12**
Ethylbenzene	**0.094**	**0.20**	**0.41**	**J**	**0.87**
Trichlorofluoromethane	**0.32**	**0.20**	**1.8**		**1.1**
n-Heptane	**0.22**	**0.50**	**0.90**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.24**	**0.50**	**0.84**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.050**	**0.50**	**0.23**	**J**	**2.3**
tert-Butyl alcohol	**0.13**	**2.0**	**0.40**	**J**	**6.1**
Methylene chloride	**0.58**	**0.50**	**2.0**	**B**	**1.7**
Benzene	**0.23**	**0.20**	**0.73**	**B**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.078**	**1.0**	**0.23**	**J**	**2.9**
Toluene	**1.4**	**0.20**	**5.4**	**B**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	**0.033**	**0.20**	**0.18**	**J**	**1.1**
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	**0.067**	**0.20**	**0.36**	**J**	**1.1**
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.10**	**0.20**	**0.80**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.072**	**0.20**	**0.35**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.088**	**0.20**	**0.38**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.23**	**0.20**	**1.0**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.5**	**1.0**	**4.5**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.073**	**0.50**	**0.30**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.11**	**0.50**	**0.33**	**J B**	**1.6**
Carbon tetrachloride	**0.11**	**0.20**	**0.71**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-GT091208

GC/MS Volatiles

Lot-Sample # H8I170255 - 002 Work Order # KW26W1AA 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	**0.61**	**0.50**	**1.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.082**	**0.50**	**0.28**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.56**	**0.20**	**2.8**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	**0.079**	**0.20**	**0.31**	**J**	**0.79**
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	**0.094**	**0.20**	**0.43**	**J**	**0.92**
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Butane, 2-methyl-	2.7	ppb(v/v)
Unknown	3.3	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	110	70 - 130
Toluene-d8	104	70 - 130
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-CT091208

GC/MS Volatiles

Lot-Sample #	H81170255 - 003	Work Order #	KW2601AA	Matrix.....:	AIR

Date Sampled...:	09/12/2008	Date Received..:	09/17/2008
Prep Date.....:	09/18/2008	Analysis Date...	09/18/2008
Prep Batch #.....:	8263080		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**15**	**5.0**	**35**		**12**
Ethylbenzene	**0.086**	**0.20**	**0.37**	**J**	**0.87**
Trichlorofluoromethane	**0.24**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.20**	**0.50**	**0.80**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.21**	**0.50**	**0.72**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.12**	**2.0**	**0.37**	**J**	**6.1**
Methylene chloride	**0.39**	**0.50**	**1.4**	**J B**	**1.7**
Benzene	**1.4**	**0.20**	**4.3**	**B**	**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**	**B**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	**0.036**	**0.20**	**0.20**	**J**	**1.1**
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.10**	**0.20**	**0.76**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.22**	**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	**0.26**	**0.20**	**1.1**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.34**	**0.20**	**1.5**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.1**	**1.0**	**6.1**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.11**	**0.50**	**0.43**	**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	**0.13**	**0.50**	**0.39**	**J B**	**1.6**
Carbon tetrachloride	**0.11**	**0.20**	**0.67**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-CT091208

GC/MS Volatiles

Lot-Sample # H81170255 - 003 **Work Order #** KW2601AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.52**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.21**	**0.50**	**0.74**	**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
Unknown	3.1	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	113	70 - 130
Toluene-d8	103	70 - 130
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-WT091208

GC/MS Volatiles

Lot-Sample #	H8I170255 - 004	**Work Order #**	KW2611AA	**Matrix.....:**	AIR

Date Sampled...:	09/12/2008	**Date Received..:**	09/17/2008
Prep Date.....:	09/18/2008	**Analysis Date...**	09/18/2008
Prep Batch #.....:	8263080		
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	**33**	**5.0**	**78**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.23**	**0.50**	**0.94**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.16**	**0.50**	**0.55**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.50**	**2.0**	**1.5**	**J**	**6.1**
Methylene chloride	**0.42**	**0.50**	**1.5**	**J B**	**1.7**
Benzene	**0.20**	**0.20**	**0.63**	**B**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.094**	**1.0**	**0.28**	**J**	**2.9**
Toluene	**0.87**	**0.20**	**3.3**	**B**	**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	**0.093**	**0.20**	**0.72**	**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)	**4.8**	**1.0**	**14**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.27**	**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	**0.12**	**0.50**	**0.37**	**J B**	**1.6**
Carbon tetrachloride	**0.13**	**0.20**	**0.81**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-WT091208

GC/MS Volatiles

Lot-Sample # H81170255 - 004 **Work Order #** KW2611AA **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	**0.067**	**0.20**	**0.33**	**J**	**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	**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	**0.51**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	**0.052**	**0.20**	**0.21**	**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
Nonanal	3.1	ppb(v/v)
Unknown	6.8	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	112	70 - 130
Toluene-d8	103	70 - 130
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-COS091208 Co-located school

GC/MS Volatiles

Lot-Sample #	H8I170255 - 005	Work Order #	KW2621AA	Matrix.....:	AIR
Date Sampled...:	09/12/2008	Date Received..:	09/17/2008		
Prep Date.....:	09/18/2008	Analysis Date...	09/18/2008		
Prep Batch #.....:	8263080				
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	**22**	**5.0**	**51**		**12**
Ethylbenzene	**0.22**	**0.20**	**0.94**		**0.87**
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.23**	**0.50**	**0.93**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.22**	**0.50**	**0.78**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.060**	**0.50**	**0.28**	**J**	**2.3**
tert-Butyl alcohol	**0.32**	**2.0**	**0.98**	**J**	**6.1**
Methylene chloride	**0.44**	**0.50**	**1.5**	**J B**	**1.7**
Benzene	**0.32**	**0.20**	**1.0**	**B**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.27**	**0.20**	**1.8**		**1.4**
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**2.1**	**0.20**	**7.9**	**B**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	**0.036**	**0.20**	**0.20**	**J**	**1.1**
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	**0.050**	**0.20**	**0.27**	**J**	**1.1**
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.086**	**0.20**	**0.66**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.34**	**0.20**	**1.7**		**0.98**
1,3,5-Trimethylbenzene	**0.12**	**0.20**	**0.61**	**J**	**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.34**	**0.20**	**1.5**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.78**	**0.20**	**3.4**		**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**	**8.1**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.23**	**0.50**	**0.92**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.11**	**0.50**	**0.34**	**J B**	**1.6**
Carbon tetrachloride	**0.11**	**0.20**	**0.70**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COS091208

GC/MS Volatiles

Lot-Sample # H81170255 - 005 **Work Order #** KW2621AA **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	**0.061**	**0.20**	**0.30**	**J**	**0.98**
Chloromethane	**0.47**	**0.50**	**0.97**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.062**	**0.50**	**0.21**	**J**	**1.7**
1,2-Dichlorobenzene	**0.96**	**0.20**	**5.8**		**1.2**
1,3-Dichlorobenzene	**0.18**	**0.20**	**1.1**	**J**	**1.2**
1,4-Dichlorobenzene	**0.28**	**0.20**	**1.7**		**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
Unknown	4.5	ppb(v/v)
Unknown	8.3	ppb(v/v)
Unknown	4.7	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	111	70 - 130
Toluene-d8	105	70 - 130
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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H81190000 - 080B **Work Order #** KW6301AA **Matrix.....:** AIR

	09/16/2008	**Date Received..:**	09/17/2008
Prep Date.....:	09/18/2008	**Analysis Date...**	09/18/2008
Prep Batch #.....:	8263080		
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	**0.28**	**0.50**	**0.96**	**J**	**1.7**
Benzene	**0.060**	**0.20**	**0.19**	**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	**0.055**	**0.20**	**0.21**	**J**	**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	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	**0.082**	**0.50**	**0.26**	**J**	**1.6**

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8I190000 - 080B Work Order # KW6301AA 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 (%)
1,2-Dichloroethane-d4	106	70 - 130
Toluene-d8	102	70 - 130
4-Bromofluorobenzene	106	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 #	H81190000 - 080C	Work Order #	KW6301AC	Matrix.....:	AIR
	09/16/2008	Date Received..:	09/17/2008		
Prep Date.....:	09/18/2008	Analysis Date...	09/18/2008		
Prep Batch #.....:	8263080				
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	2.37	8.0	7.6	95	70 - 130
Toluene	2.50	2.19	9.4	8.2	87	70 - 130
Trichloroethene	2.50	2.39	13	13	95	70 - 130
Chlorobenzene	2.50	2.43	12	11	97	70 - 130
1,1-Dichloroethene	2.50	2.69	9.9	11	108	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	104	70 - 130
Toluene-d8	102	70 - 130
4-Bromofluorobenzene	99	70 - 130

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

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

Sample Receipt Documentation

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

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

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

H8I170255

№ 8186

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

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Analysis: VOC (Method TO15)	Analysis: TLC	Remarks: Summa Can#
SU-ST091208				9/12/08	1440	School	1	X	X	6617
SU-GT091208				9/12/08	1440	Campground	1	X	X	6683
SU-CT091208				9/12/08	1440*	Cell Tower	1	X	X	6391
SU-WT091208				9/12/08	1440	Wetland	1	X	X	1324 N
SU-COS091208				9/12/08	1440	School (CO)	1	X	X	7473

REC AT AMBIENT
NO CUSTODY SEAL
2 BOXES RH 9/17/08
FED EX #866536267360
↓ 7359

6 CANS / 6 FLOWS 1 (R) 5 (F)

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	9/16/08 3:00pm	Lynn Henry	9/17/09 0945				
(Relinquished by: (signature))	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Comments:
* Time estimate

Distributor: White - File; Yellow - Lab

Summary of Results

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

Report Date: 09/26/08
Job Number: E08-10779
Date Received: 09/18/08
Date Analyzed: 09/25/08

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

Sample Name:	S091208-01A		S091208-02A		S091208-03A		Reporting
IAL ID:	E08-10779-14		E08-10779-15		E08-10779-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.4	8.8	0.90	4.1	0.56	2.6	0.1
Acetaldehyde	0.26	1.6	0.26	1.2	0.19	0.87	0.1
Acetone	< 0.1	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Acrolein	< 0.1	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Propionaldehyde	< 0.1	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Crotonaldehyde	< 0.1	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Butyraldehyde	< 0.1	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Benzaldehyde	< 0.1	< 0.6	< 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	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1
Hexaldehyde	< 0.1	< 0.6	< 0.1	< 0.5	< 0.1	< 0.5	0.1

Sample Name:	G091208-01A		G091208-02A		G091208-03A		Reporting
IAL ID:	E08-10779-17		E08-10779-18		E08-10779-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.1	6.1	1.2	6.6	0.88	5.0	0.1
Acetaldehyde	0.26	1.5	0.28	1.6	0.26	1.5	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	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 1	0.2
m- and p-Tolualdehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1
Hexaldehyde	< 0.1	< 0.6	< 0.1	< 0.6	< 0.1	< 0.6	0.1

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

Job Number: E08-10779

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

Sample Name:	C091208-01A*		C091208-02A*		C091208-03A		Reporting
IAL ID:	E08-10779-20		E08-10779-21		E08-10779-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	3.4	14	3.0	15	1.2	4.9	0.1
Acetaldehyde	0.72	3.1	0.72	3.6	0.34	1.4	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	0.15	0.64	0.14	0.71	< 0.1	< 0.4	0.1
Crotonaldehyde	< 0.1	< 0.4	< 0.1	< 0.5	< 0.1	< 0.4	0.1
Butyraldehyde	0.15	0.65	0.15	0.74	< 0.1	< 0.4	0.1
Benzaldehyde	1.6	6.8	1.5	7.4	0.14	0.58	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 3	0.6
Valeraldehyde	0.32	1.4	0.30	1.5	< 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	1.3	5.6	1.4	7.2	< 0.1	< 0.4	0.1

Sample Name:	W091208-01A*		W091208-02A*		W091208-03A*		Reporting
IAL ID:	E08-10779-23		E08-10779-24		E08-10779-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	3.8	18	3.0	15	1.2	10	0.1
Acetaldehyde	0.78	3.6	0.78	3.9	0.36	3.2	0.1
Acetone	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.9	0.1
Acrolein	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.9	0.1

Propionaldehyde	0.16	0.73	0.11	0.57	< 0.1	< 0.9	0.1
Crotonaldehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.9	0.1
Butyraldehyde	0.28	1.3	0.17	0.85	< 0.1	< 0.9	0.1
Benzaldehyde	0.88	4.1	0.82	4.1	< 0.1	< 0.9	0.1
Isovaleraldehyde	< 0.6	< 3	< 0.6	< 3	< 0.6	< 5	0.6
Valeraldehyde	0.86	4.0	0.64	3.2	< 0.2	< 2	0.2
o-Tolualdehyde	< 0.2	< 1	< 0.2	< 1	< 0.2	< 2	0.2
m- and p-Tolualdehyde	< 0.1	< 0.5	< 0.1	< 0.5	< 0.1	< 0.9	0.1
Hexaldehyde	3.2	15	3.2	16	< 0.1	< 0.9	0.1

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

Job Number: E08-10779

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

Sample Name: 091208A-A
IAL ID: E08-10779-26

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

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

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

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: 9/30/08
Job Number: E08-10779
Date Received: 09/18/08
Date Analyzed: 9/29/08

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
S091208-01H	E08-10779-01	1.3	9.1	< 0.4	< 3
S091208-02H	E08-10779-02	0.95	4.8	< 0.4	< 2
S091208-03H	E08-10779-03	< 0.6	< 4	< 0.4	< 2
G091208-01H	E08-10779-04	0.79	5.1	< 0.4	< 3
G091208-02H	E08-10779-05	< 0.6	< 4	< 0.4	< 2
G091208-03H	E08-10779-06	0.89	7.0	< 0.4	< 3
C091208-01H	E08-10779-07	1.1	6.4	< 0.4	< 2
C091208-02H	E08-10779-08	0.79	4.3	0.57	3.1
C091208-03H	E08-10779-09	0.74	4.2	< 0.4	< 2
W091208-01H	E08-10779-10	0.89	6.2	< 0.4	< 3
W091208-02H	E08-10779-11	1.0	6.5	< 0.4	< 3
W091208-03H *	E08-10779-12	1.8	12	< 0.4	< 3
091208A-H	E08-10779-13	0.68	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