Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #15

August 20, 2008

APPENDIX A

Laboratory Analytical Results from June 20/21, 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 #: H8F240226

Shawn Ansbro

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TESTAMERICA LABORATORIES, INC.

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July 7, 2008

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ANALYTICAL METHODS SUMMARY

H8F240226

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

H8F240226

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQG85	001	SU-TS062008	06/20/08	14:40
KQG9D	002	SU-TG062008	06/20/08	14:40
KQG9E	003	SU-TW062008	06/20/08	14:40
KQG9G	004	SU-TC062008	06/20/08	14:40
KQG9J	005	SU-TBT062008	06/23/08	

NOTE(S):

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

PROJECT NARRATIVE
H8F240226

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.

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-TS062008

GC/MS Volatiles

Lot-Sample # H8F240226 - 001 Work Order # KQG851AA Matrix.....: AIR

Date Sampled...: 06/20/2008 Date Received..: 06/24/2008
Prep Date.....: 07/01/2008 Analysis Date... 07/01/2008
Prep Batch #.....: 8184055
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	4.2	5.0	10	J	12
Ethylbenzene	0.43	0.20	1.9		0.87
Trichlorofluoromethane	0.21	0.20	1.2		1.1
n-Heptane	0.43	0.50	1.8	J	2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.24	0.50	0.85	J	1.8
2,2,4-Trimethylpentane	0.11	0.50	0.50	J	2.3
tert-Butyl alcohol	0.26	2.0	0.79	J	6.1
Methylene chloride	0.44	0.50	1.5	J B	1.7
Benzene	0.35	0.20	1.1		0.64
Styrene	0.068	0.20	0.29	J	0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	0.11	1.0	0.32	J	2.9
Toluene	1.6	0.20	6.1		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.074	0.20	0.57	J	1.5
1,2,4-Trimethylbenzene	1.2	0.20	6.0		0.98
1,3,5-Trimethylbenzene	0.30	0.20	1.5		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.64	0.20	2.8		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	1.6	0.20	7.1		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	0.44	1.0	1.3	J	2.9
4-Methyl-2-pentanone (MIBK)	0.083	0.50	0.34	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	0.38	0.40	1.9	J	2.0
Carbon disulfide	0.28	0.50	0.89	J	1.6
Carbon tetrachloride	0.084	0.20	0.53	J	1.3

Lawhon and Associates

Client Sample ID: SU-TS062008

GC/MS Volatiles

Lot-Sample # H8F240226 - 001 Work Order # KQG851AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.55**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**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	**0.46**	**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
1R-.alpha.-Pinene	3.2	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	102	70 - 130
Toluene-d8	97	70 - 130
4-Bromofluorobenzene	103	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: SU-TG062008

GC/MS Volatiles

Lot-Sample #	H8F240226 - 002	Work Order #	KQG9D1AA	Matrix.....:	AIR

Date Sampled...:	06/20/2008	Date Received..:	06/24/2008
Prep Date.....:	07/01/2008	Analysis Date...	07/02/2008
Prep Batch #.....:	8184055		
Dilution Factor.:	4	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	0.80	ND		3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND		5.6
Acetone	**110**	**20**	**260**		**48**
Ethylbenzene	**0.82**	**0.80**	**3.6**		**3.5**
Trichlorofluoromethane	**0.23**	**0.80**	**1.3**	**J**	**4.5**
n-Heptane	**8.2**	**2.0**	**34**		**8.2**
Hexachlorobutadiene	ND	4.0	ND		43
n-Hexane	**2.3**	**2.0**	**8.0**		**7.0**
2,2,4-Trimethylpentane	**0.28**	**2.0**	**1.3**	**J**	**9.3**
tert-Butyl alcohol	**31**	**8.0**	**94**		**24**
Methylene chloride	**2.6**	**2.0**	**9.0**	**B**	**6.9**
Benzene	**8.5**	**0.80**	**27**		**2.6**
Styrene	ND	0.80	ND		3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND		5.5
Tetrachloroethene	ND	0.80	ND		5.4
Tetrahydrofuran	**1.5**	**4.0**	**4.5**	**J**	**12**
Toluene	**5.9**	**0.80**	**22**		**3.0**
1,2,4-Trichlorobenzene	ND	4.0	ND		30
1,1,1-Trichloroethane	ND	0.80	ND		4.4
1,1,2-Trichloroethane	ND	0.80	ND		4.4
Trichloroethene	ND	0.80	ND		4.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND		6.1
1,2,4-Trimethylbenzene	**0.99**	**0.80**	**4.8**		**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND		3.9
Vinyl chloride	**1.3**	**0.80**	**3.4**		**2.0**
o-Xylene	**0.93**	**0.80**	**4.1**		**3.5**
Methyl tert-butyl ether	ND	4.0	ND		14
m-Xylene & p-Xylene	**2.8**	**0.80**	**12**		**3.5**
Bromodichloromethane	ND	0.80	ND		5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND		6.1
2-Butanone (MEK)	**14**	**4.0**	**42**		**12**
4-Methyl-2-pentanone (MIBK)	**0.62**	**2.0**	**2.5**	**J**	**8.2**
Vinyl bromide	ND	0.80	ND		3.5
Bromoform	ND	0.80	ND		8.3
Bromomethane	ND	0.80	ND		3.1
1,3-Butadiene	ND	1.6	ND		3.5
4-Ethyltoluene	ND	1.6	ND		7.9
Carbon disulfide	ND	2.0	ND		6.2
Carbon tetrachloride	ND	0.80	ND		5.0

Lawhon and Associates

Client Sample ID: SU-TG062008

GC/MS Volatiles

Lot-Sample # H8F240226 - 002 Work Order # KQG9D1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.80	ND		3.7
Dibromochloromethane	ND	0.80	ND		6.8
Chloroethane	**1.2**	**0.80**	**3.1**		**2.1**
Chloroform	ND	0.80	ND		3.9
Chloromethane	**5.2**	**2.0**	**11**		**4.1**
3-Chloropropene	ND	0.80	ND		2.5
2-Chlorotoluene	ND	1.6	ND		8.3
Cyclohexane	**1.9**	**2.0**	**6.7**	**J**	**6.9**
1,2-Dichlorobenzene	ND	0.80	ND		4.8
1,3-Dichlorobenzene	ND	0.80	ND		4.8
1,4-Dichlorobenzene	ND	0.80	ND		4.8
Dichlorodifluoromethane	**0.64**	**0.80**	**3.2**	**J**	**4.0**
1,1-Dichloroethane	ND	0.80	ND		3.2
1,2-Dichloroethane	ND	0.80	ND		3.2
1,1-Dichloroethene	ND	0.80	ND		3.2
cis-1,2-Dichloroethene	ND	0.80	ND		3.2
trans-1,2-Dichloroethene	ND	0.80	ND		3.2
1,2-Dichloropropane	ND	0.80	ND		3.7
cis-1,3-Dichloropropene	ND	0.80	ND		3.6

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Heptane, 3-methylene-	21	ppb(v/v)
Unknown	12	ppb(v/v)
Unknown	22	ppb(v/v)
1-Hexene	14	ppb(v/v)
1-Propene, 2-methyl-	130	ppb(v/v)
1R-.alpha.-Pinene	18	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	105	70 - 130
Toluene-d8	97	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.

Lawhon and Associates

Client Sample ID: SU-TG062008

GC/MS Volatiles

Lot-Sample #	H8F240226 - 002	Work Order #	KQG9D1AA	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-TW062008

GC/MS Volatiles

Lot-Sample #	H8F240226 - 003	Work Order #	KQG9E1AA	Matrix.....:	AIR

Date Sampled...:	06/20/2008	Date Received..:	06/24/2008
Prep Date.....:	07/01/2008	Analysis Date...	07/01/2008
Prep Batch #.....:	8184055		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**3.1**	**5.0**	**7.3**	**J**	**12**
Ethylbenzene	**0.23**	**0.20**	**1.0**		**0.87**
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.32**	**0.50**	**1.3**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.24**	**0.50**	**0.85**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.10**	**2.0**	**0.30**	**J**	**6.1**
Methylene chloride	**0.47**	**0.50**	**1.6**	**J B**	**1.7**
Benzene	**0.19**	**0.20**	**0.60**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.92**	**0.20**	**3.5**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.071**	**0.20**	**0.55**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.53**	**0.20**	**2.6**		**0.98**
1,3,5-Trimethylbenzene	**0.14**	**0.20**	**0.67**	**J**	**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.32**	**0.20**	**1.4**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.91**	**0.20**	**3.9**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.39**	**1.0**	**1.1**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.049**	**0.50**	**0.20**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**0.19**	**0.40**	**0.95**	**J**	**2.0**
Carbon disulfide	**0.064**	**0.50**	**0.20**	**J**	**1.6**
Carbon tetrachloride	**0.087**	**0.20**	**0.55**	**J**	**1.3**

Lawhon and Associates

Client Sample ID: SU-TW062008

GC/MS Volatiles

Lot-Sample # H8F240226 - 003 Work Order # KQG9E1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.51**	**0.50**	**1.0**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.071**	**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	**0.46**	**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	101	70 - 130
Toluene-d8	97	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-TC062008

GC/MS Volatiles

Lot-Sample #	H8F240226 - 004	Work Order #	KQG9G1AA	Matrix.....:	AIR

Date Sampled...:	06/20/2008	Date Received..:	06/24/2008
Prep Date.....:	07/01/2008	Analysis Date...	07/01/2008
Prep Batch #.....:	8184055		
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	**24**	**5.0**	**57**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.21**	**0.20**	**1.2**		**1.1**
n-Heptane	**0.16**	**0.50**	**0.65**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.15**	**0.50**	**0.51**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.51**	**2.0**	**1.6**	**J**	**6.1**
Methylene chloride	**0.56**	**0.50**	**2.0**	**B**	**1.7**
Benzene	**0.17**	**0.20**	**0.53**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.17**	**1.0**	**0.51**	**J**	**2.9**
Toluene	**0.44**	**0.20**	**1.7**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.076**	**0.20**	**0.58**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.072**	**0.20**	**0.35**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.071**	**0.20**	**0.31**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.20**	**0.20**	**0.87**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**3.5**	**1.0**	**10**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.26**	**0.50**	**1.1**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	**0.084**	**0.20**	**0.33**	**J**	**0.78**
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.032**	**0.50**	**0.10**	**J**	**1.6**
Carbon tetrachloride	**0.083**	**0.20**	**0.52**	**J**	**1.3**

Lawhon and Associates

Client Sample ID: SU-TC062008

GC/MS Volatiles

Lot-Sample # H8F240226 - 004 Work Order # KQG9G1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.55**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.040**	**0.50**	**0.14**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.46**	**0.20**	**2.3**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	101	70 - 130
Toluene-d8	98	70 - 130
4-Bromofluorobenzene	103	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: SU-TBT062008

GC/MS Volatiles

Lot-Sample #	H8F240226 - 005	Work Order #	KQG9J1AA	Matrix.....:	AIR

Date Sampled...:	06/23/2008	Date Received..:	06/24/2008
Prep Date.....:	07/01/2008	Analysis Date...	07/01/2008
Prep Batch #.....:	8184055		
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	**0.25**	**0.20**	**1.1**		**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	**0.42**	**0.50**	**1.5**	**J B**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.71**	**0.20**	**2.7**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	**0.066**	**0.20**	**0.32**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.24**	**0.20**	**1.0**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**1.5**	**0.20**	**6.4**		**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: SU-TBT062008

GC/MS Volatiles

Lot-Sample # H8F240226 - 005 **Work Order #** KQG9J1AA **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	101	70 - 130
4-Bromofluorobenzene	97	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H8G020000 - 055B	**Work Order #**	KQ0AT1AA	**Matrix.....:**	AIR

	06/18/2008	**Date Received..:**	06/23/2008
Prep Date.....:	07/01/2008	**Analysis Date...**	07/01/2008
Prep Batch #.....:	8184055		
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	**0.078**	**0.50**	**0.27**	**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	**0.14**	**1.0**	**1.0**	**J**	**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 # H8G020000 - 055B **Work Order #** KQ0AT1AA **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	94	70 - 130
4-Bromofluorobenzene	104	70 - 130

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon and Associates

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H8G020000 - 055C	Work Order #	KQ0AT1AC	Matrix.....:	AIR
	06/18/2008	Date Received..:	06/23/2008		
Prep Date.....:	07/01/2008	Analysis Date...	07/01/2008		
Prep Batch #.....:	8184055				
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	10.0	8.80	32	28	88	70 - 130
Toluene	10.0	9.13	38	34	91	70 - 130
Trichloroethene	10.0	11.1	54	60	111	70 - 130
Chlorobenzene	10.0	8.98	46	41	90	70 - 130
1,1-Dichloroethene	10.0	10.5	40	42	105	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	94	70 - 130
Toluene-d8	95	70 - 130
4-Bromofluorobenzene	109	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.** H8F240226

№ 5097

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

2115 Freeman Ave.
Cleveland, OH 44113
Phone (216) 737-0100
Fax (216) 737-0109

10901 Reed Hartman Hwy., Ste. 201
Cincinnati, OH 45242
Phone (513) 936-9233 Fax (513) 936-9266

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

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Bart Krieger

Signature: Bart Krieger

Sample I.D. No.	Type	Comp	Grab	Date	Time MIN	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: VOC	Analysis: Sulfur	Expected Conc. (H,M,L)	Hold	Remarks: SUMA CAN #
SU-TS062008				6/20/08	1440	School	1		TO15	X	X			6957
SU-TG062008				6/20/08	1440	Campground	1			X	X			1427
SU-TW062008				6/20/08	1440	Wetland	1			X	X			11362
SU-TC062008				6/20/08	1440	Cell Tower	1			X	X			7475
SU-TBT062008				6/23/08		Trip Blank	1			X	X			04333

REC. AT AMBIENT
NO CUSTODY SEAL
1 BOX RH 6/24/08
~~FED EX # 8663701966 28~~
5 CANS / 5 FLOWS

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
Bart Krieger	6/23/08 1600	Lyan Henry	6/24/08 0945				
Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time

Comments:

Distribution: White - File; Yellow - Lab

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8F240226

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

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 6/24/08

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: 7/3/08
Job Number: E08-07171
Date Received: 6/24/08
Date Analyzed: 7/3/08

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

Sample Name:	S062008-01A		S062008-02A		S062008-03A		Reporting
IAL ID:	E08-07171-05		E08-07171-06		E08-07171-07		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.11	0.23	0.10	0.22	< 0.1	< 0.2	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	G062008-01A		G062008-02A		G062008-03A		Reporting
IAL ID:	E08-07171-08		E08-07171-09		E08-07171-10		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	0.10	0.21	< 0.1	< 0.2	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

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

Job Number: E08-07171

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

Sample Name:	W062008-01A		W062008-02A		W062008-03A		Reporting
IAL ID:	E08-07171-11		E08-07171-12		E08-07171-13		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	C062008-01A		C062008-02A		C062008-03A		Reporting
IAL ID:	E08-07171-14		E08-07171-15		E08-07171-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.14	0.29	0.12	0.26	0.16	0.33	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

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

Job Number: E08-07171

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

Sample Name:	062008A-A		Reporting Limits
IAL ID:	E08-07171-17		
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

Michael H. Leftin, Ph.D.
Laboratory Director

Analyst: D. Mitchell

Summary of Results

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

Report Date: 7/3/08
Job Number: E08-07171
Date Received: 6/24/08
Date Analyzed: 7/3/08

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
S062008-01H	E08-07171-18	< 0.6	< 1.3	< 0.4	< 0.8
S062008-02H	E08-07171-19	< 0.6	< 1.3	< 0.4	< 0.8
S062008-03H	E08-07171-20	< 0.6	< 1.3	< 0.4	< 0.8
G062008-01H	E08-07171-21	< 0.6	< 1.3	< 0.4	< 0.8
G062008-02H	E08-07171-22	< 0.6	< 1.3	< 0.4	< 0.8
G062008-03H	E08-07171-23	< 0.6	< 1.3	< 0.4	< 0.8
W062008-01H	E08-07171-24	< 0.6	< 1.3	< 0.4	< 0.8
W062008-02H	E08-07171-25	< 0.6	< 1.3	< 0.4	< 0.8
W062008-03H	E08-07171-26	< 0.6	< 1.3	< 0.4	< 0.8
C062008-01H	E08-07171-27	< 0.6	< 1.3	< 0.4	< 0.8
C062008-02H	E08-07171-28	< 0.6	< 1.3	< 0.4	< 0.8
C062008-03H	E08-07171-29	< 0.6	< 1.3	< 0.4	< 0.8
062008A-H	E08-07171-30	< 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: D. Mitchell

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #15

August 20, 2008

APPENDIX B

Laboratory Analytical Results from June 26/27, 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 #: H8G010232

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

July 14, 2008

ANALYTICAL METHODS SUMMARY

H8G010232

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

H8G010232

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQXH5	001	SU-TS062608	06/26/08	14:40
KQXJE	002	SU-TG062608	06/26/08	14:40
KQXJF	003	SU-TW062608	06/26/08	14:40
KQXJK	004	SU-TC062608	06/26/08	14:40
KQXJN	005	SU-TBT062608	06/27/08	

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
H8G010232

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.

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-TS062608

GC/MS Volatiles

Lot-Sample # H8G010232 - 001 Work Order # KQXH51AA Matrix.....: AIR

Date Sampled...: 06/26/2008 Date Received..: 07/01/2008
Prep Date.....: 07/09/2008 Analysis Date... 07/09/2008
Prep Batch #.....: 8192101
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	30	5.0	71		12
Ethylbenzene	0.47	0.20	2.0		0.87
Trichlorofluoromethane	0.21	0.20	1.2		1.1
n-Heptane	1.1	0.50	4.4		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.70	0.50	2.5		1.8
2,2,4-Trimethylpentane	0.090	0.50	0.42	J	2.3
tert-Butyl alcohol	8.8	2.0	27		6.1
Methylene chloride	0.34	0.50	1.2	J B	1.7
Benzene	0.66	0.20	2.1		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	0.42	1.0	1.3	J	2.9
Toluene	2.2	0.20	8.5		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	0.070	0.20	0.54	J	1.5
1,2,4-Trimethylbenzene	0.47	0.20	2.3		0.98
1,3,5-Trimethylbenzene	0.13	0.20	0.66	J	0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.53	0.20	2.3		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	1.7	0.20	7.3		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	3.3	1.0	9.6		2.9
4-Methyl-2-pentanone (MIBK)	0.21	0.50	0.87	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	0.81	J	2.0
Carbon disulfide	0.065	0.50	0.20	J	1.6
Carbon tetrachloride	0.081	0.20	0.51	J	1.3

Lawhon and Associates

Client Sample ID: SU-TS062608

GC/MS Volatiles

Lot-Sample # H8G010232 - 001 Work Order # KQXH51AA 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**	**0.34**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**1.4**	**0.50**	**2.8**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.25**	**0.50**	**0.85**	**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	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
Cyclopropane, ethyl-	2.6	ppb(v/v)
Ethyl alcohol	2.7	ppb(v/v)
Unknown	12	ppb(v/v)
1-Propene, 2-methyl-	11	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	102	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 and Associates

Client Sample ID: SU-TG062608

GC/MS Volatiles

Lot-Sample #	H8G010232 - 002	Work Order #	KQXJE1AA	Matrix.....:	AIR

Date Sampled...:	06/26/2008	Date Received..:	07/01/2008
Prep Date.....:	07/09/2008	Analysis Date...	07/09/2008
Prep Batch #.....:	8192101		
Dilution Factor.:	18.18	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	3.6	ND		17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	ND		25
Acetone	600	91	1400		220
Ethylbenzene	1.3	3.6	5.6	J	16
Trichlorofluoromethane	0.52	3.6	2.9	J	20
n-Heptane	40	9.1	160		37
Hexachlorobutadiene	ND	18	ND		190
n-Hexane	7.8	9.1	28	J	32
2,2,4-Trimethylpentane	ND	9.1	ND		42
tert-Butyl alcohol	74	36	220		110
Methylene chloride	5.9	9.1	21	J B	32
Benzene	55	3.6	180		12
Styrene	ND	3.6	ND		15
1,1,2,2-Tetrachloroethane	ND	3.6	ND		25
Tetrachloroethene	ND	3.6	ND		25
Tetrahydrofuran	2.6	18	7.6	J	54
Toluene	10	3.6	39		14
1,2,4-Trichlorobenzene	ND	18	ND		130
1,1,1-Trichloroethane	ND	3.6	ND		20
1,1,2-Trichloroethane	ND	3.6	ND		20
Trichloroethene	ND	3.6	ND		20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.6	ND		28
1,2,4-Trimethylbenzene	ND	3.6	ND		18
1,3,5-Trimethylbenzene	ND	3.6	ND		18
Vinyl chloride	5.5	3.6	14		9.3
o-Xylene	1.3	3.6	5.8	J	16
Methyl tert-butyl ether	ND	18	ND		66
m-Xylene & p-Xylene	4.1	3.6	18		16
Bromodichloromethane	ND	3.6	ND		24
1,2-Dibromoethane (EDB)	ND	3.6	ND		28
2-Butanone (MEK)	110	18	340		54
4-Methyl-2-pentanone (MIBK)	3.5	9.1	14	J	37
Vinyl bromide	ND	3.6	ND		16
Bromoform	ND	3.6	ND		38
Bromomethane	ND	3.6	ND		14
1,3-Butadiene	1.7	7.3	3.9	J	16
4-Ethyltoluene	ND	7.3	ND		36
Carbon disulfide	1.0	9.1	3.2	J	28
Carbon tetrachloride	ND	3.6	ND		23

Lawhon and Associates

Client Sample ID: SU-TG062608

GC/MS Volatiles

Lot-Sample # H8G010232 - 002 **Work Order #** KQXJE1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	3.6	ND	17
Dibromochloromethane	ND	3.6	ND	31
Chloroethane	**15**	**3.6**	**38**	**9.6**
Chloroform	ND	3.6	ND	18
Chloromethane	**22**	**9.1**	**45**	**19**
3-Chloropropene	ND	3.6	ND	11
2-Chlorotoluene	ND	7.3	ND	38
Cyclohexane	ND	9.1	ND	31
1,2-Dichlorobenzene	ND	3.6	ND	22
1,3-Dichlorobenzene	ND	3.6	ND	22
1,4-Dichlorobenzene	ND	3.6	ND	22
Dichlorodifluoromethane	ND	3.6	ND	18
1,1-Dichloroethane	ND	3.6	ND	15
1,2-Dichloroethane	ND	3.6	ND	15
1,1-Dichloroethene	ND	3.6	ND	14
cis-1,2-Dichloroethene	ND	3.6	ND	14
trans-1,2-Dichloroethene	ND	3.6	ND	14
1,2-Dichloropropane	ND	3.6	ND	17
cis-1,3-Dichloropropene	ND	3.6	ND	17

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Heptane, 3-methylene-	68	ppb(v/v)
Propene	250	ppb(v/v)
Unknown	52	ppb(v/v)
1-Propene, 2-methyl-	330	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	98	70 - 130
Toluene-d8	103	70 - 130
4-Bromofluorobenzene	97	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: SU-TW062608

GC/MS Volatiles

Lot-Sample #	H8G010232 - 003	Work Order #	KQXJF1AA	Matrix.....:	AIR

Date Sampled...:	06/26/2008	Date Received..:	07/01/2008
Prep Date.....:	07/09/2008	Analysis Date...	07/09/2008
Prep Batch #.....:	8192101		
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	24	5.0	57		12
Ethylbenzene	0.57	0.20	2.5		0.87
Trichlorofluoromethane	0.21	0.20	1.2		1.1
n-Heptane	0.87	0.50	3.6		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.91	0.50	3.2		1.8
2,2,4-Trimethylpentane	0.073	0.50	0.34	J	2.3
tert-Butyl alcohol	1.9	2.0	5.8	J	6.1
Methylene chloride	0.28	0.50	0.96	J B	1.7
Benzene	0.41	0.20	1.3		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	0.83	0.20	5.6		1.4
Tetrahydrofuran	0.32	1.0	0.96	J	2.9
Toluene	2.5	0.20	9.4		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.069	0.20	0.53	J	1.5
1,2,4-Trimethylbenzene	0.80	0.20	4.0		0.98
1,3,5-Trimethylbenzene	0.24	0.20	1.2		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.71	0.20	3.1		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	1.9	0.20	8.3		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	2.8	1.0	8.3		2.9
4-Methyl-2-pentanone (MIBK)	0.68	0.50	2.8		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	0.34	0.40	1.7	J	2.0
Carbon disulfide	0.17	0.50	0.52	J	1.6
Carbon tetrachloride	0.076	0.20	0.48	J	1.3

Lawhon and Associates

Client Sample ID: SU-TW062608

GC/MS Volatiles

Lot-Sample # H8G010232 - 003 **Work Order #** KQXJF1AA **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	**0.15**	**0.20**	**0.40**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**1.3**	**0.50**	**2.7**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.16**	**0.50**	**0.57**	**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	**0.59**	**0.20**	**2.9**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Unknown	7.5	ppb(v/v)
1-Butanol	2.9	ppb(v/v)
1-Propene, 2-methyl-	7.6	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	100	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 and Associates

Client Sample ID: SU-TC062608

GC/MS Volatiles

Lot-Sample #	H8G010232 - 004	Work Order #	KQXJK1AA	Matrix.....:	AIR

Date Sampled...:	06/26/2008	Date Received..:	07/01/2008
Prep Date.....:	07/09/2008	Analysis Date...	07/09/2008
Prep Batch #.....:	8192101		
Dilution Factor.:	18.18	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	3.6	ND		17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	ND		25
Acetone	350	91	820		220
Ethylbenzene	1.5	3.6	6.6	J	16
Trichlorofluoromethane	0.62	3.6	3.5	J	20
n-Heptane	16	9.1	65		37
Hexachlorobutadiene	ND	18	ND		190
n-Hexane	6.1	9.1	21	J	32
2,2,4-Trimethylpentane	ND	9.1	ND		42
tert-Butyl alcohol	58	36	180		110
Methylene chloride	2.9	9.1	10	J B	32
Benzene	3.3	3.6	11	J	12
Styrene	ND	3.6	ND		15
1,1,2,2-Tetrachloroethane	ND	3.6	ND		25
Tetrachloroethene	ND	3.6	ND		25
Tetrahydrofuran	3.6	18	11	J	54
Toluene	12	3.6	46		14
1,2,4-Trichlorobenzene	ND	18	ND		130
1,1,1-Trichloroethane	ND	3.6	ND		20
1,1,2-Trichloroethane	ND	3.6	ND		20
Trichloroethene	ND	3.6	ND		20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	3.6	ND		28
1,2,4-Trimethylbenzene	1.4	3.6	6.6	J	18
1,3,5-Trimethylbenzene	ND	3.6	ND		18
Vinyl chloride	2.8	3.6	7.1	J	9.3
o-Xylene	1.6	3.6	6.8	J	16
Methyl tert-butyl ether	ND	18	ND		66
m-Xylene & p-Xylene	4.9	3.6	21		16
Bromodichloromethane	ND	3.6	ND		24
1,2-Dibromoethane (EDB)	ND	3.6	ND		28
2-Butanone (MEK)	53	18	160		54
4-Methyl-2-pentanone (MIBK)	1.7	9.1	7.1	J	37
Vinyl bromide	ND	3.6	ND		16
Bromoform	ND	3.6	ND		38
Bromomethane	ND	3.6	ND		14
1,3-Butadiene	2.0	7.3	4.5	J	16
4-Ethyltoluene	ND	7.3	ND		36
Carbon disulfide	0.60	9.1	1.9	J	28
Carbon tetrachloride	ND	3.6	ND		23

Lawhon and Associates

Client Sample ID: SU-TC062608

GC/MS Volatiles

Lot-Sample # H8G010232 - 004 Work Order # KQXJK1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	3.6	ND	17
Dibromochloromethane	ND	3.6	ND	31
Chloroethane	**8.4**	**3.6**	**22**	**9.6**
Chloroform	ND	3.6	ND	18
Chloromethane	**23**	**9.1**	**48**	**19**
3-Chloropropene	ND	3.6	ND	11
2-Chlorotoluene	ND	7.3	ND	38
Cyclohexane	ND	9.1	ND	31
1,2-Dichlorobenzene	ND	3.6	ND	22
1,3-Dichlorobenzene	ND	3.6	ND	22
1,4-Dichlorobenzene	ND	3.6	ND	22
Dichlorodifluoromethane	ND	3.6	ND	18
1,1-Dichloroethane	ND	3.6	ND	15
1,2-Dichloroethane	ND	3.6	ND	15
1,1-Dichloroethene	ND	3.6	ND	14
cis-1,2-Dichloroethene	ND	3.6	ND	14
trans-1,2-Dichloroethene	ND	3.6	ND	14
1,2-Dichloropropane	ND	3.6	ND	17
cis-1,3-Dichloropropene	ND	3.6	ND	17

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Propene	160	ppb(v/v)
1-Propene, 2-methyl-	220	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	97	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 and Associates

Client Sample ID: SU-TBT062608

GC/MS Volatiles

Lot-Sample #	H8G010232 - 005	Work Order #	KQXJN1AA	Matrix.....:	AIR

Date Sampled...:	06/27/2008	Date Received..:	07/01/2008
Prep Date.....:	07/09/2008	Analysis Date...	07/09/2008
Prep Batch #.....:	8192101		
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	**0.17**	**0.50**	**0.58**	**J B**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	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: SU-TBT062608

GC/MS Volatiles

Lot-Sample # H8G010232 - 005 Work Order # KQXJN1AA 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	108	70 - 130
4-Bromofluorobenzene	95	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H8G100000 - 101B	Work Order #	KQ9251AA	Matrix.....:	AIR
	06/19/2008	Date Received..:	06/20/2008		
Prep Date.....:	07/09/2008	Analysis Date...	07/09/2008		
Prep Batch #.....:	8192101				
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	**0.16**	**0.50**	**0.57**	**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 # H8G100000 - 101B Work Order # KQ9251AA 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	94	70 - 130
Toluene-d8	104	70 - 130
4-Bromofluorobenzene	97	70 - 130

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon and Associates

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8G100000 - 101C Work Order # KQ9251AC Matrix.....: AIR

Prep Date.....: 06/19/2008
Prep Batch #.....: 07/09/2008
Dilution Factor.: 8192101
1

Date Received..: 06/20/2008
Analysis Date... 07/09/2008

Method.....: TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	2.50	2.86	8.0	9.1	115	70 - 130
Toluene	2.50	2.14	9.4	8.0	85	70 - 130
Trichloroethene	2.50	2.66	13	14	107	70 - 130
Chlorobenzene	2.50	2.19	12	10	88	70 - 130
1,1-Dichloroethene	2.50	2.59	9.9	10	104	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	106	70 - 130
Toluene-d8	100	70 - 130
4-Bromofluorobenzene	107	70 - 130

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

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

Sample Receipt Documentation

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

H86 010232

№ 5100

975 ~~920~~ Eastwind Drive, Suite 180 ~~211~~
Westerville, OH 43081
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10901 Reed Hartman Hwy., Ste. 201
Cincinnati, OH 45242
Phone (513) 936-9233 Fax (513) 936-9266

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

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Bart Kreeger

Signature: Bart Kreeger

Sample I.D. No.	Type	Comp	Grab	Date	Time MIN	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: VOC	Analysis: Sulfur	Expected Conc. (H,M,L)	Hold	Remarks:
SU-TS062608				6/26/08	1440	School	1		TO15	X	X			SUMA CAN #
SU-TG062608				6/26/08	1440	Campground	1			X	X			6677
SU-TW062608				6/26/08	1440	Wetland	1			X	X			11205
SU-TC062608				6/26/08	1440	Cell Tower	1			X	X			6589
SU-TBT062608				6/27/08		Trip Blank	1			X	X			12446
														12816

REC. AT AMBIENT
NO CUSTODY SEAL
1 BOX RA 7/1/08
FED EX #866370196547
5 CANS / 5 FLOWS

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
Bart Kreeger	6/30/08 1600	Ryan Henry	7/1/08 0950				
Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time

Comments:

Distribution: White - File; Yellow - Lab

20

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** HRG010232

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

Quote #: 79700 PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 7/1/08

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: 7/10/08
Job Number: E08-07436
Date Received:7/1/08
Date Analyzed: 7/8/08

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

Sample Name:	S062608-01A		S062608-02A		S062608-03A		Reporting Limits
IAL ID:	E08-07436-14		E08-07436-15		E08-07436-16		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	G062608-01A		G062608-02A		G062608-03A*		Reporting Limits
IAL ID:	E08-07436-17		E08-07436-18		E08-07436-19		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	0.38	0.80	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

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

Job Number: E08-07436

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

Sample Name:	W062608-01A		W062608-02A		W062608-03A		Reporting Limits
IAL ID:	E08-07436-20		E08-07436-21		E08-07436-22		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	0.30	0.63	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	C062608-01A		C062608-02A		C062608-03A		Reporting Limits
IAL ID:	E08-07436-23		E08-07436-24		E08-07436-25		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.13	0.27	< 0.1	< 0.2	0.42	0.88	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

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

Job Number: E08-07436

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

Sample Name: 062608A-A
IAL ID: E08-07436-25

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 front to back of sorbent tube.

Notes: 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: D. Mitchell

Summary of Results

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

Report Date: 7/10/08
Job Number: E08-07436
Date Received: 7/1/08
Date Analyzed: 7/7/08

Project: Countywide
Project #: 07-0082

Analysis: Hydrogen Chloride and Hydrogen Fluoride, NIOSH 7903

Sample ID	IAL ID	Hydrogen Fluoride ug	Hydrogen Fluoride ug/m3	Hydrogen Chloride ug	Hydrogen Chloride ug/m3
S062608-01H	E08-07436-01	< 0.6	< 1.3	< 0.4	< 0.8
S062608-02H	E08-07436-02	< 0.6	< 1.3	< 0.4	< 0.8
S062608-03H	E08-07436-03	< 0.6	< 1.3	< 0.4	< 0.8
G062608-01H	E08-07436-04	< 0.6	< 1.3	< 0.4	< 0.8
G062608-02H	E08-07436-05	< 0.6	< 1.3	< 0.4	< 0.8
G062608-03H	E08-07436-06	< 0.6	< 1.3	< 0.4	< 0.8
W062608-01H	E08-07436-07	< 0.6	< 1.3	< 0.4	< 0.8
W062608-02H	E08-07436-08	< 0.6	< 1.3	< 0.4	< 0.8
W062608-03H	E08-07436-09	< 0.6	< 1.3	< 0.4	< 0.8
C062608-01H	E08-07436-10	< 0.6	< 1.3	< 0.4	< 0.8
C062608-02H	E08-07436-11	< 0.6	< 1.3	< 0.4	< 0.8
C062608-03H	E08-07436-12	< 0.6	< 1.3	< 0.4	< 0.8
062608A-H	E08-07436-13	< 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: D. Mitchell

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #15

August 20, 2008

APPENDIX C

Laboratory Analytical Results from July 02/03, 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 #: H8G080191

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

July 22, 2008

5815 Middlebrook Pike Knoxville, TN 37921 tel 865.291.3000 fax 865.584.4315 www.testamericainc.com

ANALYTICAL METHODS SUMMARY

H8G080191

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

H8G080191

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KQ6V8	001	SU-ST070208	07/02/08	14:40
KQ6WA	002	SU-GT070208	07/02/08	14:40
KQ6WC	003	SU-WT070208	07/02/08	14:40
KQ6WF	004	SU-CT070208	07/02/08	14:40
KQ6WG	005	SU-TBT070208	07/03/08	

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
H8G080191

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 07/15/08 exhibited a %difference of >30% but ≤40% for 1,2,4-trichlorobenzene and hexachlorobutadiene. The calibration verification analyzed on 07/16/08 exhibited a %difference of >30% but ≤40% for 1,2-dichloro-1,1,2,2-tetrafluoroethane and vinyl bromide.

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-ST070208

GC/MS Volatiles

Lot-Sample #	H8G080191 - 001	**Work Order #**	KQ6V81AA	**Matrix.....:**	AIR

Date Sampled...:	07/02/2008	**Date Received..:**	07/08/2008
Prep Date.....:	07/16/2008	**Analysis Date...**	07/16/2008
Prep Batch #.....:	8199095		
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	17	5.0	40		12
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.18**	**0.50**	**0.74**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.16**	**0.50**	**0.57**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**1.3**	**2.0**	**4.0**	**J**	**6.1**
Methylene chloride	**0.58**	**0.50**	**2.0**	**B**	**1.7**
Benzene	**0.14**	**0.20**	**0.44**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.047**	**0.20**	**0.32**	**J**	**1.4**
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.44**	**0.20**	**1.7**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.080**	**0.20**	**0.61**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.087**	**0.20**	**0.43**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.073**	**0.20**	**0.32**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.17**	**0.20**	**0.73**	**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**	**3.8**		**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.077**	**0.20**	**0.48**	**J**	**1.3**

Lawhon and Associates

Client Sample ID: SU-ST070208

GC/MS Volatiles

Lot-Sample # H8G080191 - 001 **Work Order #** KQ6V81AA **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	**0.11**	**0.20**	**0.28**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**1.0**	**0.50**	**2.2**		**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	**0.50**	**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	16	ppb(v/v)
1-Propene, 2-methyl-	30	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	101	70 - 130
Toluene-d8	104	70 - 130
4-Bromofluorobenzene	95	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: SU-GT070208

GC/MS Volatiles

Lot-Sample #	H8G080191 - 002	**Work Order #**	KQ6WA1AA	**Matrix.....:**	AIR

Date Sampled...:	07/02/2008	**Date Received..:**	07/08/2008
Prep Date.....:	07/16/2008	**Analysis Date...**	07/16/2008
Prep Batch #.....:	8199095		
Dilution Factor.:	10	**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	2.0	ND		9.1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ND		14
Acetone	**280**	**50**	**670**		**120**
Ethylbenzene	ND	2.0	ND		8.7
Trichlorofluoromethane	**0.51**	**2.0**	**2.8**	**J**	**11**
n-Heptane	**20**	**5.0**	**82**		**20**
Hexachlorobutadiene	ND	10	ND		110
n-Hexane	**11**	**5.0**	**38**		**18**
2,2,4-Trimethylpentane	ND	5.0	ND		23
tert-Butyl alcohol	**35**	**20**	**110**		**61**
Methylene chloride	**1.7**	**5.0**	**5.7**	**J B**	**17**
Benzene	**3.3**	**2.0**	**10**		**6.4**
Styrene	ND	2.0	ND		8.5
1,1,2,2-Tetrachloroethane	ND	2.0	ND		14
Tetrachloroethene	ND	2.0	ND		14
Tetrahydrofuran	ND	10	ND		29
Toluene	**4.7**	**2.0**	**18**		**7.5**
1,2,4-Trichlorobenzene	ND	10	ND		74
1,1,1-Trichloroethane	ND	2.0	ND		11
1,1,2-Trichloroethane	ND	2.0	ND		11
Trichloroethene	ND	2.0	ND		11
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ND		15
1,2,4-Trimethylbenzene	ND	2.0	ND		9.8
1,3,5-Trimethylbenzene	ND	2.0	ND		9.8
Vinyl chloride	**3.4**	**2.0**	**8.8**		**5.1**
o-Xylene	ND	2.0	ND		8.7
Methyl tert-butyl ether	ND	10	ND		36
m-Xylene & p-Xylene	ND	2.0	ND		8.7
Bromodichloromethane	ND	2.0	ND		13
1,2-Dibromoethane (EDB)	ND	2.0	ND		15
2-Butanone (MEK)	**23**	**10**	**67**		**29**
4-Methyl-2-pentanone (MIBK)	ND	5.0	ND		20
Vinyl bromide	ND	2.0	ND		8.7
Bromoform	ND	2.0	ND		21
Bromomethane	**0.79**	**2.0**	**3.1**	**J**	**7.8**
1,3-Butadiene	ND	4.0	ND		8.8
4-Ethyltoluene	ND	4.0	ND		20
Carbon disulfide	ND	5.0	ND		16
Carbon tetrachloride	ND	2.0	ND		13

Lawhon and Associates

Client Sample ID: SU-GT070208

GC/MS Volatiles

Lot-Sample # H8G080191 - 002 Work Order # KQ6WA1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	2.0	ND		9.2
Dibromochloromethane	ND	2.0	ND		17
Chloroethane	**4.2**	**2.0**	**11**		**5.3**
Chloroform	ND	2.0	ND		9.8
Chloromethane	**13**	**5.0**	**28**		**10**
3-Chloropropene	ND	2.0	ND		6.3
2-Chlorotoluene	ND	4.0	ND		21
Cyclohexane	ND	5.0	ND		17
1,2-Dichlorobenzene	ND	2.0	ND		12
1,3-Dichlorobenzene	ND	2.0	ND		12
1,4-Dichlorobenzene	ND	2.0	ND		12
Dichlorodifluoromethane	**0.69**	**2.0**	**3.4**	**J**	**9.9**
1,1-Dichloroethane	ND	2.0	ND		8.1
1,2-Dichloroethane	ND	2.0	ND		8.1
1,1-Dichloroethene	ND	2.0	ND		7.9
cis-1,2-Dichloroethene	ND	2.0	ND		7.9
trans-1,2-Dichloroethene	ND	2.0	ND		7.9
1,2-Dichloropropane	ND	2.0	ND		9.2
cis-1,3-Dichloropropene	ND	2.0	ND		9.1

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Unknown	65	ppb(v/v)
Unknown	37	ppb(v/v)
Unknown	110	ppb(v/v)
1-Propene, 2-methyl-	760	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	100	70 - 130
Toluene-d8	103	70 - 130
4-Bromofluorobenzene	94	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-WT070208

GC/MS Volatiles

Lot-Sample #	H8G080191 - 003	Work Order #	KQ6WC1AA	Matrix.....:	AIR

Date Sampled...:	07/02/2008	Date Received..:	07/08/2008
Prep Date.....:	07/16/2008	Analysis Date...	07/16/2008
Prep Batch #.....:	8199095		
Dilution Factor.:	10	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	2.0	ND		9.1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ND		14
Acetone	**350**	**50**	**820**		**120**
Ethylbenzene	**1.5**	**2.0**	**6.5**	**J**	**8.7**
Trichlorofluoromethane	**0.34**	**2.0**	**1.9**	**J**	**11**
n-Heptane	**7.1**	**5.0**	**29**		**20**
Hexachlorobutadiene	ND	10	ND		110
n-Hexane	**3.5**	**5.0**	**12**	**J**	**18**
2,2,4-Trimethylpentane	ND	5.0	ND		23
tert-Butyl alcohol	**30**	**20**	**90**		**61**
Methylene chloride	**1.5**	**5.0**	**5.2**	**J B**	**17**
Benzene	**2.9**	**2.0**	**9.2**		**6.4**
Styrene	ND	2.0	ND		8.5
1,1,2,2-Tetrachloroethane	ND	2.0	ND		14
Tetrachloroethene	ND	2.0	ND		14
Tetrahydrofuran	**1.6**	**10**	**4.6**	**J**	**29**
Toluene	**11**	**2.0**	**40**		**7.5**
1,2,4-Trichlorobenzene	ND	10	ND		74
1,1,1-Trichloroethane	ND	2.0	ND		11
1,1,2-Trichloroethane	ND	2.0	ND		11
Trichloroethene	ND	2.0	ND		11
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ND		15
1,2,4-Trimethylbenzene	**0.94**	**2.0**	**4.6**	**J**	**9.8**
1,3,5-Trimethylbenzene	ND	2.0	ND		9.8
Vinyl chloride	ND	2.0	ND		5.1
o-Xylene	**1.4**	**2.0**	**5.9**	**J**	**8.7**
Methyl tert-butyl ether	ND	10	ND		36
m-Xylene & p-Xylene	**4.3**	**2.0**	**19**		**8.7**
Bromodichloromethane	ND	2.0	ND		13
1,2-Dibromoethane (EDB)	ND	2.0	ND		15
2-Butanone (MEK)	**57**	**10**	**170**		**29**
4-Methyl-2-pentanone (MIBK)	**1.1**	**5.0**	**4.4**	**J**	**20**
Vinyl bromide	ND	2.0	ND		8.7
Bromoform	ND	2.0	ND		21
Bromomethane	ND	2.0	ND		7.8
1,3-Butadiene	ND	4.0	ND		8.8
4-Ethyltoluene	ND	4.0	ND		20
Carbon disulfide	ND	5.0	ND		16
Carbon tetrachloride	ND	2.0	ND		13

Lawhon and Associates

Client Sample ID: SU-WT070208

GC/MS Volatiles

Lot-Sample # H8G080191 - 003 Work Order # KQ6WC1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	2.0	ND		9.2
Dibromochloromethane	ND	2.0	ND		17
Chloroethane	**2.6**	**2.0**	**6.8**		**5.3**
Chloroform	ND	2.0	ND		9.8
Chloromethane	**3.8**	**5.0**	**7.9**	**J**	**10**
3-Chloropropene	ND	2.0	ND		6.3
2-Chlorotoluene	ND	4.0	ND		21
Cyclohexane	ND	5.0	ND		17
1,2-Dichlorobenzene	ND	2.0	ND		12
1,3-Dichlorobenzene	ND	2.0	ND		12
1,4-Dichlorobenzene	ND	2.0	ND		12
Dichlorodifluoromethane	**0.72**	**2.0**	**3.6**	**J**	**9.9**
1,1-Dichloroethane	ND	2.0	ND		8.1
1,2-Dichloroethane	ND	2.0	ND		8.1
1,1-Dichloroethene	ND	2.0	ND		7.9
cis-1,2-Dichloroethene	ND	2.0	ND		7.9
trans-1,2-Dichloroethene	ND	2.0	ND		7.9
1,2-Dichloropropane	ND	2.0	ND		9.2
cis-1,3-Dichloropropene	ND	2.0	ND		9.1

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Unknown	69	ppb(v/v)
Unknown	74	ppb(v/v)
1-Propene, 2-methyl-	60	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	94	70 - 130
Toluene-d8	101	70 - 130
4-Bromofluorobenzene	95	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: SU-CT070208

GC/MS Volatiles

Lot-Sample #	H8G080191 - 004	**Work Order #**	KQ6WF1AA	**Matrix.....:**	AIR

Date Sampled...:	07/02/2008	**Date Received..:**	07/08/2008
Prep Date.....:	07/15/2008	**Analysis Date...**	07/15/2008
Prep Batch #.....:	8198117		
Dilution Factor.:	10	**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	2.0	ND		9.1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ND		14
Acetone	**370**	**50**	**890**		**120**
Ethylbenzene	ND	2.0	ND		8.7
Trichlorofluoromethane	**0.26**	**2.0**	**1.4**	**J**	**11**
n-Heptane	**19**	**5.0**	**79**		**20**
Hexachlorobutadiene	ND	10	ND		110
n-Hexane	**3.6**	**5.0**	**13**	**J**	**18**
2,2,4-Trimethylpentane	ND	5.0	ND		23
tert-Butyl alcohol	**35**	**20**	**110**		**61**
Methylene chloride	**1.6**	**5.0**	**5.7**	**J B**	**17**
Benzene	**18**	**2.0**	**59**		**6.4**
Styrene	ND	2.0	ND		8.5
1,1,2,2-Tetrachloroethane	ND	2.0	ND		14
Tetrachloroethene	ND	2.0	ND		14
Tetrahydrofuran	ND	10	ND		29
Toluene	**2.7**	**2.0**	**10**		**7.5**
1,2,4-Trichlorobenzene	ND	10	ND		74
1,1,1-Trichloroethane	ND	2.0	ND		11
1,1,2-Trichloroethane	ND	2.0	ND		11
Trichloroethene	ND	2.0	ND		11
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ND		15
1,2,4-Trimethylbenzene	ND	2.0	ND		9.8
1,3,5-Trimethylbenzene	ND	2.0	ND		9.8
Vinyl chloride	**4.8**	**2.0**	**12**		**5.1**
o-Xylene	ND	2.0	ND		8.7
Methyl tert-butyl ether	ND	10	ND		36
m-Xylene & p-Xylene	ND	2.0	ND		8.7
Bromodichloromethane	ND	2.0	ND		13
1,2-Dibromoethane (EDB)	ND	2.0	ND		15
2-Butanone (MEK)	**43**	**10**	**130**		**29**
4-Methyl-2-pentanone (MIBK)	**0.74**	**5.0**	**3.0**	**J**	**20**
Vinyl bromide	ND	2.0	ND		8.7
Bromoform	ND	2.0	ND		21
Bromomethane	ND	2.0	ND		7.8
1,3-Butadiene	ND	4.0	ND		8.8
4-Ethyltoluene	ND	4.0	ND		20
Carbon disulfide	ND	5.0	ND		16
Carbon tetrachloride	ND	2.0	ND		13

Lawhon and Associates

Client Sample ID: SU-CT070208

GC/MS Volatiles

Lot-Sample # H8G080191 - 004 Work Order # KQ6WF1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	2.0	ND		9.2
Dibromochloromethane	ND	2.0	ND		17
Chloroethane	**6.1**	**2.0**	**16**		**5.3**
Chloroform	ND	2.0	ND		9.8
Chloromethane	**13**	**5.0**	**26**		**10**
3-Chloropropene	ND	2.0	ND		6.3
2-Chlorotoluene	ND	4.0	ND		21
Cyclohexane	ND	5.0	ND		17
1,2-Dichlorobenzene	ND	2.0	ND		12
1,3-Dichlorobenzene	ND	2.0	ND		12
1,4-Dichlorobenzene	ND	2.0	ND		12
Dichlorodifluoromethane	**0.70**	**2.0**	**3.5**	**J**	**9.9**
1,1-Dichloroethane	ND	2.0	ND		8.1
1,2-Dichloroethane	ND	2.0	ND		8.1
1,1-Dichloroethene	ND	2.0	ND		7.9
cis-1,2-Dichloroethene	ND	2.0	ND		7.9
trans-1,2-Dichloroethene	ND	2.0	ND		7.9
1,2-Dichloropropane	ND	2.0	ND		9.2
cis-1,3-Dichloropropene	ND	2.0	ND		9.1

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Unknown	28	ppb(v/v)
Unknown	35	ppb(v/v)
Unknown	26	ppb(v/v)
Unknown	41	ppb(v/v)
1-Propene, 2-methyl-	630	ppb(v/v)
2-Butene, 2-methyl-	35	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	105	70 - 130
Toluene-d8	101	70 - 130
4-Bromofluorobenzene	96	70 - 130

Qualifiers

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

Lawhon and Associates

Client Sample ID: SU-CT070208

GC/MS Volatiles

Lot-Sample #	H8G080191 - 004	Work Order #	KQ6WF1AA	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-TBT070208

GC/MS Volatiles

Lot-Sample #	H8G080191 - 005	Work Order #	KQ6WG1AA	Matrix.....:	AIR

Date Sampled...:	07/03/2008	Date Received..:	07/08/2008
Prep Date.....:	07/15/2008	Analysis Date...	07/15/2008
Prep Batch #.....:	8198117		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	ND	5.0	ND		12
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.031**	**0.20**	**0.17**	**J**	**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.035**	**0.50**	**0.12**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.38**	**0.50**	**1.3**	**J B**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	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: SU-TBT070208

GC/MS Volatiles

Lot-Sample # H8G080191 - 005 Work Order # KQ6WG1AA 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	103	70 - 130
Toluene-d8	108	70 - 130
4-Bromofluorobenzene	94	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 #	H8G160000 - 117B	**Work Order #**	KRKPJ1AA	**Matrix.....:**	AIR
	07/03/2008	**Date Received..:**	07/08/2008		
Prep Date.....:	07/15/2008	**Analysis Date...**	07/15/2008		
Prep Batch #.....:	8198117				
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	**0.099**	**0.50**	**0.35**	**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 # H8G160000 - 117B Work Order # KRKPJ1AA 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	107	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 #	H8G160000 - 117C	Work Order #	KRKPJ1AC	Matrix.....:	AIR
	07/03/2008	Date Received..:	07/08/2008		
Prep Date.....:	07/15/2008	Analysis Date...	07/15/2008		
Prep Batch #.....:	8198117				
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	10.0	10.4	32	33	104	70 - 130
Toluene	10.0	8.56	38	32	86	70 - 130
Trichloroethene	10.0	9.02	54	48	90	70 - 130
Chlorobenzene	10.0	8.25	46	38	83	70 - 130
1,1-Dichloroethene	10.0	10.2	40	40	102	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	104	70 - 130
Toluene-d8	101	70 - 130
4-Bromofluorobenzene	103	70 - 130

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

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

Lawhon and Associates

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H8G170000 - 095B	Work Order #	KRM1D1AA	Matrix.....:	AIR
	06/26/2008	Date Received..:	06/27/2008		
Prep Date.....:	07/16/2008	Analysis Date...	07/16/2008		
Prep Batch #.....:	8199095				
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	**0.086**	**0.50**	**0.30**	**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 # H8G170000 - 095B Work Order # KRM1D1AA 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	104	70 - 130
Toluene-d8	104	70 - 130
4-Bromofluorobenzene	97	70 - 130

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon and Associates

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H8G170000 - 095C	Work Order #	KRM1D1AC	Matrix.....:	AIR
	06/26/2008	Date Received..:	06/27/2008		
Prep Date.....:	07/16/2008	Analysis Date...	07/16/2008		
Prep Batch #.....:	8199095				
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	10.0	9.51	32	30	95	70 - 130
Toluene	10.0	8.31	38	31	83	70 - 130
Trichloroethene	10.0	8.63	54	46	86	70 - 130
Chlorobenzene	10.0	7.44	46	34	74	70 - 130
1,1-Dichloroethene	10.0	11.2	40	44	112	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	106	70 - 130
Toluene-d8	107	70 - 130
4-Bromofluorobenzene	105	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.**

H8G080191

№ 5210

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

2115 Freeman Ave.
Cleveland, OH 44113
Phone (216) 737-0100
Fax (216) 737-0109

10901 Reed Hartman Hwy., Ste. 201
Cincinnati, OH 45242
Phone (513) 936-9233 Fax (513) 936-9266

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

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Rachel Secrest

Signature: Rachel Secrest

Sample I.D. No.	Type	Comp	Grab	Date	Time MIN	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: VOC	Analysis: Sulfur	Expected Conc. (H,M,L)	Hold	Remarks: SUMA CAN #
SU-ST070208				7/2/08	1440	School	1			X	X			1349B
SU-GT070208				7/2/08	1440	Campground	1			X	X			6646
SU-WT070208				7/2/08	1440	wetland	1			X	X			7510
SU-CT070208				7/2/08	1440	Cell Tower	1			X	X			12161
SU-TBT070208				7/3/08		Trip Blank	1			X	X			6613

REC. AT AMBIENT
NO CUSTODY SEAL
1 BOX RH 7/8/08
~~FED EX # 866370196293~~
5 CANS / 5 FLOWS

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
Rachel Secrest	7/7/08 0800	Lynn Henry	7/8/08 1020				
Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time

Comments:

Distribution: White - File; Yellow - Lab

24

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8G080191

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

Quote #: 79700 PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 7/8/08

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: 7/10/08
Job Number: E08-07722
Date Received:7/8/08
Date Analyzed: 7/9/08

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

Sample Name:	S070208-01A		S070208-02A		S070208-03A		Reporting Limits
IAL ID:	E08-07722-13		E08-07722-14		E08-07722-15		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	0.24	0.50	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	G070208-01A		G070208-02A		G070208-03A		Reporting Limits
IAL ID:	E08-07722-16		E08-07722-17		E08-07722-18		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.11	0.23	< 0.1	< 0.2	0.20	0.42	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

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

Job Number: E08-07722

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

Sample Name:	W070208-01A		W070208-02A		W070208-03A		Reporting Limits
IAL ID:	E08-07722-19		E08-07722-20		E08-07722-21		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	0.20	0.41	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	C070208-01A		C070208-02A		C070208-03A		Reporting Limits
IAL ID:	E08-07722-22		E08-07722-23		E08-07722-24		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.12	0.24	< 0.1	< 0.2	0.28	0.58	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Notes: 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: D. Mitchell

Summary of Results

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

Report Date: 7/10/08
Job Number: E08-07722
Date Received: 7/8/08
Date Analyzed: 7/9/08

Project: Countywide
Project #: 07-0082

Analysis: Hydrogen Chloride and Hydrogen Fluoride, NIOSH 7903

Sample ID	IAL ID	Hydrogen Fluoride ug	Hydrogen Fluoride ug/m3	Hydrogen Chloride ug	Hydrogen Chloride ug/m3
S070208-01H	E08-07722-01	< 0.6	< 1.3	< 0.4	< 0.8
S070208-02H	E08-07722-02	< 0.6	< 1.3	< 0.4	< 0.8
S070208-03H	E08-07722-03	< 0.6	< 1.3	< 0.4	< 0.8
G070208-01H	E08-07722-04	< 0.6	< 1.3	< 0.4	< 0.8
G070208-02H	E08-07722-05	< 0.6	< 1.3	< 0.4	< 0.8
G070208-03H	E08-07722-06	< 0.6	< 1.3	< 0.4	< 0.8
W070208-01H	E08-07722-07	< 0.6	< 1.3	< 0.4	< 0.8
W070208-02H	E08-07722-08	< 0.6	< 1.3	< 0.4	< 0.8
W070208-03H	E08-07722-09	< 0.6	< 1.3	< 0.4	< 0.8
C070208-01H	E08-07722-10	< 0.6	< 1.3	< 0.4	< 0.8
C070208-02H	E08-07722-11	0.63	1.3	< 0.4	< 0.8
C070208-03H	E08-07722-12	0.63	1.3	< 0.4	< 0.8
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: D. Mitchell

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #15

August 20, 2008

APPENDIX D

Laboratory Analytical Results from July 08/09, 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 #: H8G100243

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

July 25, 2008

5815 Middlebrook Pike Knoxville, TN 37921 tel 865.291.3000 fax 865.584.4315 www.testamericainc.com

ANALYTICAL METHODS SUMMARY

H8G100243

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

H8G100243

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KRA6A	001	WEL359U	07/08/08	
KRA6H	002	WEL359D	07/08/08	
KRA6L	003	WEL358U	07/08/08	
KRA6N	004	WEL358D	07/08/08	
KRA6Q	005	TRIP BK	07/08/08	
KRA6T	006	SU-ST070808	07/08/08	14:40
KRA6X	007	SU-GT070808	07/08/08	14:40
KRA60	008	SU-WT070808	07/08/08	14:40
KRA62	009	SU-CT070808	07/08/08	14:40
KRA64	010	SU-TBT070808	07/08/08	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
H8G100243

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.

The "Relinquished by" field on the chain of custody documentation did not contain a signature on 1 of the 2 pages.

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 07/15/08 exhibited a %difference of >30% but ≤40% for 1,2,4-trichlorobenzene and hexachlorobutadiene.

Sample SU-ST070808 was received with the canister valve in the open position. The sample was at ambient pressure (0 psi). The sample integrity could have been jeopardized due to changes in ambient pressure after the sample was taken (i.e. ambient air not associated with the sampling event could have been introduced into the canister at any point after the sampling was completed). After consultation with the client, the sample was analyzed and the data was reported.

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: TRIP BK

GC/MS Volatiles

Lot-Sample #	H8G100243 - 005	Work Order #	KRA6Q1AA	Matrix.....:	AIR

Date Sampled...:	07/08/2008	Date Received..:	07/10/2008
Prep Date.....:	07/17/2008	Analysis Date...	07/17/2008
Prep Batch #.....:	8199311		
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	**0.28**	**0.50**	**1.3**	**J**	**2.3**
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.18**	**0.50**	**0.61**	**J B**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**1.5**	**0.20**	**10**		**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: TRIP BK

GC/MS Volatiles

Lot-Sample # H8G100243 - 005 Work Order # KRA6Q1AA 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	**0.080**	**0.20**	**0.32**	**J**	**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	101	70 - 130
Toluene-d8	106	70 - 130
4-Bromofluorobenzene	97	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: SU-ST070808

GC/MS Volatiles

Lot-Sample #	H8G100243 - 006	Work Order #	KRA6T1AA	Matrix.....:	AIR

Date Sampled...:	07/08/2008	Date Received..:	07/10/2008
Prep Date.....:	07/15/2008	Analysis Date...	07/16/2008
Prep Batch #.....:	8198117		
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	21	5.0	50		12
Ethylbenzene	0.16	0.20	0.69	J	0.87
Trichlorofluoromethane	0.23	0.20	1.3		1.1
n-Heptane	0.20	0.50	0.82	J	2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.54	0.50	1.9		1.8
2,2,4-Trimethylpentane	0.097	0.50	0.45	J	2.3
tert-Butyl alcohol	0.23	2.0	0.71	J	6.1
Methylene chloride	2.5	0.50	8.6	B	1.7
Benzene	0.44	0.20	1.4		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	0.24	1.0	0.71	J	2.9
Toluene	2.6	0.20	9.8		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	0.093	0.20	0.51	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	0.075	0.20	0.58	J	1.5
1,2,4-Trimethylbenzene	0.19	0.20	0.96	J	0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.18	0.20	0.77	J	0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	0.47	0.20	2.0		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	2.2	1.0	6.6		2.9
4-Methyl-2-pentanone (MIBK)	0.084	0.50	0.34	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	0.093	0.50	0.29	J	1.6
Carbon tetrachloride	0.080	0.20	0.50	J	1.3

Lawhon and Associates

Client Sample ID: SU-ST070808

GC/MS Volatiles

Lot-Sample # H8G100243 - 006 **Work Order #** KRA6T1AA **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	**0.079**	**0.20**	**0.38**	**J**	**0.98**
Chloromethane	**0.89**	**0.50**	**1.8**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.15**	**0.50**	**0.52**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**1.3**	**0.20**	**6.3**		**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
Ethyl alcohol	9.5	ppb(v/v)
Unknown	3.1	ppb(v/v)
Unknown	11	ppb(v/v)
Unknown	3.3	ppb(v/v)
Unknown	2.6	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	104	70 - 130
Toluene-d8	103	70 - 130
4-Bromofluorobenzene	97	70 - 130

Qualifiers

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

Lawhon and Associates

Client Sample ID: SU-ST070808

GC/MS Volatiles

Lot-Sample #	H8G100243 - 006	Work Order #	KRA6T1AA	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-GT070808

GC/MS Volatiles

Lot-Sample # H8G100243 - 007 Work Order # KRA6X1AA Matrix.....: AIR

Date Sampled...: 07/08/2008
Prep Date.....: 07/17/2008
Prep Batch #.....: 8199311
Dilution Factor.: 1

Date Received..: 07/10/2008
Analysis Date... 07/17/2008

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**8.2**	**5.0**	**19**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.27**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.13**	**0.50**	**0.52**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.23**	**0.50**	**0.80**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.82**	**0.50**	**2.9**	**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	**0.30**	**0.20**	**1.1**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	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)	**0.99**	**1.0**	**2.9**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.063**	**0.50**	**0.26**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.037**	**0.50**	**0.12**	**J**	**1.6**
Carbon tetrachloride	**0.067**	**0.20**	**0.42**	**J**	**1.3**

Lawhon and Associates

Client Sample ID: SU-GT070808

GC/MS Volatiles

Lot-Sample # H8G100243 - 007 Work Order # KRA6X1AA 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	**0.043**	**0.20**	**0.21**	**J**	**0.98**
Chloromethane	**0.62**	**0.50**	**1.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.48**	**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	2.5	ppb(v/v)
Unknown	4.5	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	101	70 - 130
Toluene-d8	108	70 - 130
4-Bromofluorobenzene	85	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-WT070808

GC/MS Volatiles

Lot-Sample #	H8G100243 - 008	**Work Order #**	KRA601AA	**Matrix.....:**	AIR

Date Sampled...:	07/08/2008	**Date Received..:**	07/10/2008
Prep Date.....:	07/17/2008	**Analysis Date...**	07/17/2008
Prep Batch #.....:	8199311		
Dilution Factor.:	10	**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	2.0	ND		9.1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ND		14
Acetone	**71**	**50**	**170**		**120**
Ethylbenzene	ND	2.0	ND		8.7
Trichlorofluoromethane	ND	2.0	ND		11
n-Heptane	**6.2**	**5.0**	**25**		**20**
Hexachlorobutadiene	ND	10	ND		110
n-Hexane	**1.2**	**5.0**	**4.3**	**J**	**18**
2,2,4-Trimethylpentane	ND	5.0	ND		23
tert-Butyl alcohol	**12**	**20**	**36**	**J**	**61**
Methylene chloride	**1.9**	**5.0**	**6.6**	**J B**	**17**
Benzene	**4.4**	**2.0**	**14**		**6.4**
Styrene	ND	2.0	ND		8.5
1,1,2,2-Tetrachloroethane	ND	2.0	ND		14
Tetrachloroethene	ND	2.0	ND		14
Tetrahydrofuran	ND	10	ND		29
Toluene	**1.3**	**2.0**	**4.9**	**J**	**7.5**
1,2,4-Trichlorobenzene	ND	10	ND		74
1,1,1-Trichloroethane	ND	2.0	ND		11
1,1,2-Trichloroethane	ND	2.0	ND		11
Trichloroethene	ND	2.0	ND		11
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ND		15
1,2,4-Trimethylbenzene	ND	2.0	ND		9.8
1,3,5-Trimethylbenzene	ND	2.0	ND		9.8
Vinyl chloride	ND	2.0	ND		5.1
o-Xylene	ND	2.0	ND		8.7
Methyl tert-butyl ether	ND	10	ND		36
m-Xylene & p-Xylene	ND	2.0	ND		8.7
Bromodichloromethane	ND	2.0	ND		13
1,2-Dibromoethane (EDB)	ND	2.0	ND		15
2-Butanone (MEK)	**12**	**10**	**36**		**29**
4-Methyl-2-pentanone (MIBK)	**0.58**	**5.0**	**2.4**	**J**	**20**
Vinyl bromide	ND	2.0	ND		8.7
Bromoform	ND	2.0	ND		21
Bromomethane	ND	2.0	ND		7.8
1,3-Butadiene	ND	4.0	ND		8.8
4-Ethyltoluene	ND	4.0	ND		20
Carbon disulfide	**1.4**	**5.0**	**4.2**	**J**	**16**
Carbon tetrachloride	ND	2.0	ND		13

Lawhon and Associates

Client Sample ID: SU-WT070808

GC/MS Volatiles

Lot-Sample # H8G100243 - 008 Work Order # KRA601AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	2.0	ND		9.2
Dibromochloromethane	ND	2.0	ND		17
Chloroethane	1.3	2.0	3.4	J	5.3
Chloroform	ND	2.0	ND		9.8
Chloromethane	2.1	5.0	4.4	J	10
3-Chloropropene	ND	2.0	ND		6.3
2-Chlorotoluene	ND	4.0	ND		21
Cyclohexane	2.9	5.0	9.9	J	17
1,2-Dichlorobenzene	ND	2.0	ND		12
1,3-Dichlorobenzene	ND	2.0	ND		12
1,4-Dichlorobenzene	ND	2.0	ND		12
Dichlorodifluoromethane	ND	2.0	ND		9.9
1,1-Dichloroethane	ND	2.0	ND		8.1
1,2-Dichloroethane	ND	2.0	ND		8.1
1,1-Dichloroethene	ND	2.0	ND		7.9
cis-1,2-Dichloroethene	ND	2.0	ND		7.9
trans-1,2-Dichloroethene	ND	2.0	ND		7.9
1,2-Dichloropropane	ND	2.0	ND		9.2
cis-1,3-Dichloropropene	ND	2.0	ND		9.1

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Heptane, 3-methylene-	26	ppb(v/v)
Unknown	34	ppb(v/v)
1-Propene, 2-methyl-	34	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	108	70 - 130
Toluene-d8	100	70 - 130
4-Bromofluorobenzene	96	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: SU-CT070808

GC/MS Volatiles

Lot-Sample #	H8G100243 - 009	**Work Order #**	KRA621AA	**Matrix.....:**	AIR

Date Sampled...:	07/08/2008	**Date Received..:**	07/10/2008
Prep Date.....:	07/17/2008	**Analysis Date...**	07/17/2008
Prep Batch #.....:	8199311		
Dilution Factor.:	10	**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	2.0	ND		9.1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.0	ND		14
Acetone	160	50	390		120
Ethylbenzene	ND	2.0	ND		8.7
Trichlorofluoromethane	ND	2.0	ND		11
n-Heptane	41	5.0	170		20
Hexachlorobutadiene	ND	10	ND		110
n-Hexane	11	5.0	38		18
2,2,4-Trimethylpentane	ND	5.0	ND		23
tert-Butyl alcohol	62	20	190		61
Methylene chloride	2.2	5.0	7.7	J B	17
Benzene	2.8	2.0	8.9		6.4
Styrene	ND	2.0	ND		8.5
1,1,2,2-Tetrachloroethane	ND	2.0	ND		14
Tetrachloroethene	ND	2.0	ND		14
Tetrahydrofuran	1.1	10	3.2	J	29
Toluene	4.0	2.0	15		7.5
1,2,4-Trichlorobenzene	ND	10	ND		74
1,1,1-Trichloroethane	ND	2.0	ND		11
1,1,2-Trichloroethane	ND	2.0	ND		11
Trichloroethene	ND	2.0	ND		11
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0	ND		15
1,2,4-Trimethylbenzene	ND	2.0	ND		9.8
1,3,5-Trimethylbenzene	ND	2.0	ND		9.8
Vinyl chloride	ND	2.0	ND		5.1
o-Xylene	0.74	2.0	3.2	J	8.7
Methyl tert-butyl ether	ND	10	ND		36
m-Xylene & p-Xylene	2.0	2.0	8.6		8.7
Bromodichloromethane	ND	2.0	ND		13
1,2-Dibromoethane (EDB)	ND	2.0	ND		15
2-Butanone (MEK)	34	10	100		29
4-Methyl-2-pentanone (MIBK)	1.4	5.0	5.6	J	20
Vinyl bromide	ND	2.0	ND		8.7
Bromoform	ND	2.0	ND		21
Bromomethane	ND	2.0	ND		7.8
1,3-Butadiene	0.72	4.0	1.6	J	8.8
4-Ethyltoluene	ND	4.0	ND		20
Carbon disulfide	0.36	5.0	1.1	J	16
Carbon tetrachloride	ND	2.0	ND		13

Lawhon and Associates

Client Sample ID: SU-CT070808

GC/MS Volatiles

Lot-Sample # H8G100243 - 009 Work Order # KRA621AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	2.0	ND		9.2
Dibromochloromethane	ND	2.0	ND		17
Chloroethane	**2.5**	**2.0**	**6.7**		**5.3**
Chloroform	ND	2.0	ND		9.8
Chloromethane	**5.3**	**5.0**	**11**		**10**
3-Chloropropene	ND	2.0	ND		6.3
2-Chlorotoluene	ND	4.0	ND		21
Cyclohexane	**2.3**	**5.0**	**7.9**	**J**	**17**
1,2-Dichlorobenzene	ND	2.0	ND		12
1,3-Dichlorobenzene	ND	2.0	ND		12
1,4-Dichlorobenzene	ND	2.0	ND		12
Dichlorodifluoromethane	ND	2.0	ND		9.9
1,1-Dichloroethane	ND	2.0	ND		8.1
1,2-Dichloroethane	ND	2.0	ND		8.1
1,1-Dichloroethene	ND	2.0	ND		7.9
cis-1,2-Dichloroethene	ND	2.0	ND		7.9
trans-1,2-Dichloroethene	ND	2.0	ND		7.9
1,2-Dichloropropane	ND	2.0	ND		9.2
cis-1,3-Dichloropropene	ND	2.0	ND		9.1

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Butanal	45	ppb(v/v)
Cyclopropane, ethyl-	110	ppb(v/v)
Heptane, 3-methylene-	62	ppb(v/v)
Hexanal	35	ppb(v/v)
Propene	57	ppb(v/v)
Unknown	150	ppb(v/v)
Unknown	44	ppb(v/v)
Unknown	160	ppb(v/v)
1-Hexene	110	ppb(v/v)
1-Propene, 2-methyl-	240	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	99	70 - 130
Toluene-d8	92	70 - 130
4-Bromofluorobenzene	100	70 - 130

Lawhon and Associates

Client Sample ID: SU-CT070808

GC/MS Volatiles

Lot-Sample #	H8G100243 - 009	Work Order #	KRA621AA	Matrix.....:	AIR

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-TBT070808

GC/MS Volatiles

Lot-Sample # H8G100243 - 010 Work Order # KRA641AA Matrix.....: AIR

Date Sampled...: 07/08/2008 Date Received..: 07/10/2008
Prep Date.....: 07/17/2008 Analysis Date... 07/17/2008
Prep Batch #.....: 8199311
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**1.7**	**5.0**	**4.1**	**J**	**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	**0.17**	**0.50**	**0.80**	**J**	**2.3**
tert-Butyl alcohol	ND	2.0	ND		6.1
Methylene chloride	**0.24**	**0.50**	**0.82**	**J B**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**1.0**	**0.20**	**6.8**		**1.4**
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.076**	**0.20**	**0.29**	**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	ND	0.50	ND		1.6

Lawhon and Associates

Client Sample ID: SU-TBT070808

GC/MS Volatiles

Lot-Sample # H8G100243 - 010 Work Order # KRA641AA 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	102	70 - 130
4-Bromofluorobenzene	92	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H8G160000 - 117B	**Work Order #**	KRKPJ1AA	**Matrix.....:**	AIR
	07/03/2008	**Date Received..:**	07/08/2008		
Prep Date.....:	07/15/2008	**Analysis Date...**	07/15/2008		
Prep Batch #.....:	8198117				
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	**0.099**	**0.50**	**0.35**	**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 # H8G160000 - 117B Work Order # KRKPJ1AA 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	107	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 # H8G160000 - 117C Work Order # KRKPJ1AC Matrix.....: AIR

Prep Date.....: 07/03/2008
Prep Batch #.....: 07/15/2008
Dilution Factor.: 8198117
1

Date Received..: 07/08/2008
Analysis Date... 07/15/2008

Method.....: TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	10.0	10.4	32	33	104	70 - 130
Toluene	10.0	8.56	38	32	86	70 - 130
Trichloroethene	10.0	9.02	54	48	90	70 - 130
Chlorobenzene	10.0	8.25	46	38	83	70 - 130
1,1-Dichloroethene	10.0	10.2	40	40	102	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	104	70 - 130
Toluene-d8	101	70 - 130
4-Bromofluorobenzene	103	70 - 130

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

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

Lawhon and Associates

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H8G170000 - 311B	Work Order #	KRNQA1AA	Matrix.....:	AIR
	07/03/2008	Date Received..:	07/08/2008		
Prep Date.....:	07/17/2008	Analysis Date...	07/17/2008		
Prep Batch #.....:	8199311				
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	0.47	0.50	1.6	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 # H8G170000 - 311B Work Order # KRNQA1AA 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	98	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 and Associates

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8G170000 - 311C Work Order # KRNQA1AC Matrix.....: AIR

Prep Date.....: 07/03/2008
Prep Batch #.....: 07/17/2008
Dilution Factor.: 8199311
1

Date Received..: 07/08/2008
Analysis Date... 07/17/2008

Method.....: TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	2.50	2.63	8.0	8.4	105	70 - 130
Toluene	2.50	2.88	9.4	11	115	70 - 130
Trichloroethene	2.50	2.02	13	11	81	70 - 130
Chlorobenzene	2.50	2.65	12	12	106	70 - 130
1,1-Dichloroethene	2.50	2.10	9.9	8.3	84	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	102	70 - 130
Toluene-d8	101	70 - 130
4-Bromofluorobenzene	91	70 - 130

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

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

Sample Receipt Documentation

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

929 Eastwind Drive, Suite 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

H8610024 3

№ 8077

Sent To: TEST AMERICA (Lab Name)
VIA:
Air Bill No.:

Page ____ of ____

CHAIN-OF-CUSTODY RECORD

Project Contact: SHAWN ANSBRO

Project No: 07-0082

Project Name: COUNTYWIDE

Sampler (print): SHAWN ANSBRO

Signature:

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

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

As Received by Lab:

Sample I.D. No.	Type	Type	Type	Date	Time	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis	VOC	TIC	Expected Conc. (H.M.L.)	Hold	Remarks:
WEL-359 U				7/8/08	8hr.	UPWIND well 359	1				✓	✓			SUMA # 1129
WEL 359 D				7/9/08	8h	DNWIND well 359	1				✓	✓			SUMA # 6673
WEL 358 U				7/9/08	8h	UPWIND well 358	1				✓	✓			SUMA # 12270
WEL 358D				7/12/08	8h	DNWIND well 358	1				✓	✓			SUMA # 12582
TRIP BK							1				✓	✓			SUMA # 12481

REC. AT AMBIENT
NO CUSTODY SEALS
3 BOXES RH 7/10/08
FED EX # 866370196400
866502505122
866370196396
10 CANS / 10 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
		Lynn Henry	7/10/08 0930				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Comments:

Distributor: White - File; Yellow - Lab

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

929 Eastwind Drive, Suite 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

1-H8G100243

№ 8088

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): Rachel Secrest

Signature: Rachel Secrest

Sample I.D. No.	Type	Type	Type	Date	Time (min)	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: VOC	Analysis: Sulfur TRS	Expected Conc. (H,M,L)	Hold	Remarks: Summa can #
SU-ST070808				7/8/08	1440	School	1			X	X			SU-6227.3 x2
SU-G-T070808				7/8/08	1440	Campground	1			X	X			SU-6378 x2
SU-WT070808				7/8/08	1440	Wetland	1			X	X			SU-11.367 x2
SU-CT070808				7/8/08	1440	Cell Tower	1			X	X			SU-12342 x4
SU-TB070808				7/8/08	1440	Trip Blank	1			X	X			SU-6594 x2

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Rachel Secrest	7/9/08 1600	Ryan Henry	7/10/08 0930				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Comments:

Distributor: White - File; Yellow - Lab

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8G100243

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 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 = _____	14a - 1 COC WAS RELINQUISHED, 1 WAS NOT,
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐3a Sample preservative =	NOT RELINQUISHED COC AFFECTED CANS: 1129, 12582, 6673, 12181, 12270
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	16, SV-TRT080808, NO ID ON LABEL, WILL LOG AS SV-TRT070808, SINCE DATE IS PART OF ID
6. Were all of the sample containers received intact?	✓			☐6a Leaking ☐6b Broken	
7. Were VOA samples received without headspace?			✓	☐7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐13a Leaking ☐13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)		✓		☑14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: 79700 PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 7/10/08

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: 08/01/08
Job Number: E08-07853
Date Received: 07/10/08
Date Analyzed: 7/31/08

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

Sample Name:	S070808-01A*		S070808-02A		S070808-03A*		Reporting Limits
IAL ID:	E08-07853-14		E08-07853-15		E08-07853-16		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.2	2.6	0.38	0.79	0.66	1.4	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	G070808-01A		G070808-02A		G070808-03A		Reporting Limits
IAL ID:	E08-07853-17		E08-07853-18		E08-07853-19		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.12	0.25	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

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

Job Number: E08-07853

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

Sample Name:	C070808-01A*		C070808-02A*		C070808-03A*		Reporting Limits
IAL ID:	E08-07853-20		E08-07853-21		E08-07853-22		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.4	2.9	0.54	1.1	0.83	1.7	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	W070808-01A*		W070808-02A*		W070808-03A*		Reporting Limits
IAL ID:	E08-07853-23		E08-07853-24		E08-07853-25		
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	1.8	3.8	0.54	1.1	1.4	2.8	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

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

Job Number: E08-07853

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

Sample Name: 070808A-A**
IAL ID: E08-07853-26

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.

**Even though sample volume was noted as 480 L, the sorbent tube was received unused (not cracked), and is therefore reported as a blank.

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

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: 08/01/08
Job Number: E08-07853
Date Received: 7/10/08
Date Analyzed: 7/30/08

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
S070808-01H	E08-07853-01	< 0.6	< 1.3	< 0.4	< 0.8
S070808-02H	E08-07853-02	< 0.6	< 1.3	0.7	1.5
S070808-03H	E08-07853-03	< 0.6	< 1.3	< 0.4	< 0.8
G070808-01H	E08-07853-04	< 0.6	< 1.3	< 0.4	< 0.8
G070808-02H	E08-07853-05	< 0.6	< 1.3	< 0.4	< 0.8
G070808-03H	E08-07853-06	< 0.6	< 1.3	< 0.4	< 0.8
W070808-01H	E08-07853-07	< 0.6	< 1.3	< 0.4	< 0.8
W070808-02H	E08-07853-08	< 0.6	< 1.3	0.6	1.2
W070808-03H	E08-07853-09	< 0.6	< 1.3	< 0.4	< 0.8
C070808-01H	E08-07853-10	< 0.6	< 1.3	< 0.4	< 0.8
C070808-02H	E08-07853-11	<I 0.6	< 1.3	< 0.4	< 0.8
C070808-03H	E08-07853-12	< 0.6	< 1.3	< 0.4	< 0.8
070808A-H*	E08-07853-13	< 0.60	N/A	< 0.4	N/A
Reporting Limit		0.6		0.4	

*Even though sample volume was noted as 480 L, the sorbent tube was received unused (not cracked), and is therefore reported as a blank.

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 #15

August 20, 2008

APPENDIX E

Laboratory Analytical Results from July 14/15, 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 #: H8G160190

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

July 25, 2008

ANALYTICAL METHODS SUMMARY

H8G160190

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

H8G160190

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KRK84	001	SU-S071408	07/14/08	14:40
KRK85	002	SU-G071408	07/14/08	14:40
KRK87	003	SU-W071408	07/14/08	14:40
KRK88	004	SU-C071408	07/14/08	14:40
KRK9C	005	SU-TBT071408	07/15/08	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
H8G160190

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 07/21/08 exhibited a %difference of >30% but ≤40% for trichloroethene and 1,4-dichlorobenzene.

Although trichloroethene is flagged as being outside recovery limits in the laboratory control sample for batch 8204105, the laboratory control sample is in control. The standard operating procedure allows for two nonpolar analyte recoveries between 60% and 140% and two polar analyte recoveries between 45% and 155%.

Sample SU-S071408 was received with the canister valve in the open position. The sample was at ambient pressure (0 psi). The sample integrity could have been jeopardized due to changes in ambient pressure after the sample was taken (i.e. ambient air not associated with the sampling event could have been introduced into the canister at any point after the sampling was completed). After consultation with the client, the sample was analyzed and the data was reported.

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-S071408

GC/MS Volatiles

Lot-Sample # H8G160190 - 001 **Work Order #** KRK841AA **Matrix.....:** AIR

Date Sampled...: 07/14/2008 **Date Received..:** 07/16/2008
Prep Date.....: 07/21/2008 **Analysis Date...** 07/22/2008
Prep Batch #.....: 8204105
Dilution Factor.: 4 **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	0.80	ND		3.6
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.80	ND		5.6
Acetone	**120**	**20**	**270**		**48**
Ethylbenzene	**0.34**	**0.80**	**1.5**	**J**	**3.5**
Trichlorofluoromethane	**0.19**	**0.80**	**1.1**	**J**	**4.5**
n-Heptane	**4.8**	**2.0**	**20**		**8.2**
Hexachlorobutadiene	ND	4.0	ND		43
n-Hexane	**1.3**	**2.0**	**4.4**	**J**	**7.0**
2,2,4-Trimethylpentane	**0.39**	**2.0**	**1.8**	**J**	**9.3**
tert-Butyl alcohol	**36**	**8.0**	**110**		**24**
Methylene chloride	**0.76**	**2.0**	**2.6**	**J B**	**6.9**
Benzene	**1.2**	**0.80**	**3.8**		**2.6**
Styrene	ND	0.80	ND		3.4
1,1,2,2-Tetrachloroethane	ND	0.80	ND		5.5
Tetrachloroethene	ND	0.80	ND		5.4
Tetrahydrofuran	**0.57**	**4.0**	**1.7**	**J**	**12**
Toluene	**2.2**	**0.80**	**8.4**		**3.0**
1,2,4-Trichlorobenzene	ND	4.0	ND		30
1,1,1-Trichloroethane	ND	0.80	ND		4.4
1,1,2-Trichloroethane	ND	0.80	ND		4.4
Trichloroethene	ND	0.80	ND		4.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.80	ND		6.1
1,2,4-Trimethylbenzene	**0.36**	**0.80**	**1.7**	**J**	**3.9**
1,3,5-Trimethylbenzene	ND	0.80	ND		3.9
Vinyl chloride	ND	0.80	ND		2.0
o-Xylene	**0.51**	**0.80**	**2.2**	**J**	**3.5**
Methyl tert-butyl ether	ND	4.0	ND		14
m-Xylene & p-Xylene	**1.2**	**0.80**	**5.2**		**3.5**
Bromodichloromethane	ND	0.80	ND		5.4
1,2-Dibromoethane (EDB)	ND	0.80	ND		6.1
2-Butanone (MEK)	**25**	**4.0**	**73**		**12**
4-Methyl-2-pentanone (MIBK)	**1.4**	**2.0**	**5.8**	**J**	**8.2**
Vinyl bromide	ND	0.80	ND		3.5
Bromoform	ND	0.80	ND		8.3
Bromomethane	ND	0.80	ND		3.1
1,3-Butadiene	ND	1.6	ND		3.5
4-Ethyltoluene	ND	1.6	ND		7.9
Carbon disulfide	**1.3**	**2.0**	**4.0**	**J B**	**6.2**
Carbon tetrachloride	ND	0.80	ND		5.0

Lawhon and Associates

Client Sample ID: SU-S071408

GC/MS Volatiles

Lot-Sample # H8G160190 - 001 **Work Order #** KRK841AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.80	ND		3.7
Dibromochloromethane	ND	0.80	ND		6.8
Chloroethane	**0.73**	**0.80**	**1.9**	**J**	**2.1**
Chloroform	ND	0.80	ND		3.9
Chloromethane	**1.7**	**2.0**	**3.6**	**J**	**4.1**
3-Chloropropene	ND	0.80	ND		2.5
2-Chlorotoluene	ND	1.6	ND		8.3
Cyclohexane	**0.97**	**2.0**	**3.3**	**J**	**6.9**
1,2-Dichlorobenzene	ND	0.80	ND		4.8
1,3-Dichlorobenzene	ND	0.80	ND		4.8
1,4-Dichlorobenzene	ND	0.80	ND		4.8
Dichlorodifluoromethane	**0.43**	**0.80**	**2.1**	**J**	**4.0**
1,1-Dichloroethane	ND	0.80	ND		3.2
1,2-Dichloroethane	ND	0.80	ND		3.2
1,1-Dichloroethene	ND	0.80	ND		3.2
cis-1,2-Dichloroethene	ND	0.80	ND		3.2
trans-1,2-Dichloroethene	ND	0.80	ND		3.2
1,2-Dichloropropane	ND	0.80	ND		3.7
cis-1,3-Dichloropropene	ND	0.80	ND		3.6

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Butanal	14	ppb(v/v)
Heptane, 3-methylene-	84	ppb(v/v)
Unknown	15	ppb(v/v)
Unknown	98	ppb(v/v)
Unknown	41	ppb(v/v)
1-Propene, 2-methyl-	91	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	105	70 - 130
Toluene-d8	111	70 - 130
4-Bromofluorobenzene	95	70 - 130

Qualifiers

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

Lawhon and Associates

Client Sample ID: SU-S071408

GC/MS Volatiles

Lot-Sample #	H8G160190 - 001	Work Order #	KRK841AA	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-G071408

GC/MS Volatiles

Lot-Sample #	H8G160190 - 002	Work Order #	KRK851AA	Matrix.....:	AIR

Date Sampled...:	07/14/2008	Date Received..:	07/16/2008
Prep Date.....:	07/21/2008	Analysis Date...	07/21/2008
Prep Batch #.....:	8204105		
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	**11**	**5.0**	**25**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.17**	**0.20**	**0.98**	**J**	**1.1**
n-Heptane	**0.97**	**0.50**	**4.0**		**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**1.4**	**0.50**	**5.0**		**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.39**	**2.0**	**1.2**	**J**	**6.1**
Methylene chloride	**0.20**	**0.50**	**0.69**	**J B**	**1.7**
Benzene	**0.21**	**0.20**	**0.67**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.31**	**0.20**	**1.2**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.061**	**0.20**	**0.47**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.097**	**0.20**	**0.48**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	**0.30**	**0.20**	**0.76**		**0.51**
o-Xylene	**0.069**	**0.20**	**0.30**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.18**	**0.20**	**0.79**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.6**	**1.0**	**4.7**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.062**	**0.50**	**0.25**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	**0.040**	**0.20**	**0.16**	**J**	**0.78**
1,3-Butadiene	**0.27**	**0.40**	**0.59**	**J**	**0.88**
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.086**	**0.50**	**0.27**	**J B**	**1.6**
Carbon tetrachloride	**0.055**	**0.20**	**0.35**	**J**	**1.3**

Lawhon and Associates

Client Sample ID: SU-G071408

GC/MS Volatiles

Lot-Sample # H8G160190 - 002 **Work Order #** KRK851AA **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	**0.51**	**0.20**	**1.3**		**0.53**
Chloroform	**0.038**	**0.20**	**0.19**	**J**	**0.98**
Chloromethane	**1.3**	**0.50**	**2.7**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.14**	**0.50**	**0.47**	**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	**0.37**	**0.20**	**1.8**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Cyclopropane, ethyl-	30	ppb(v/v)
Pentane	8.0	ppb(v/v)
Unknown	3.8	ppb(v/v)
Unknown	3.4	ppb(v/v)
Unknown	3.9	ppb(v/v)
Unknown	16	ppb(v/v)
1-Butene	3.4	ppb(v/v)
1-Propene, 2-methyl-	75	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	108	70 - 130
Toluene-d8	117	70 - 130
4-Bromofluorobenzene	92	70 - 130

Qualifiers

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

Lawhon and Associates

Client Sample ID: SU-G071408

GC/MS Volatiles

Lot-Sample #	H8G160190 - 002	**Work Order #**	KRK851AA	**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-W071408

GC/MS Volatiles

Lot-Sample #	H8G160190 - 003	**Work Order #**	KRK871AA	**Matrix.....:**	AIR

Date Sampled...:	07/14/2008	**Date Received..:**	07/16/2008
Prep Date.....:	07/21/2008	**Analysis Date...**	07/21/2008
Prep Batch #.....:	8204105		
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**	**39**		**12**
Ethylbenzene	**0.087**	**0.20**	**0.38**	**J**	**0.87**
Trichlorofluoromethane	**0.20**	**0.20**	**1.1**		**1.1**
n-Heptane	**0.89**	**0.50**	**3.6**		**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.71**	**0.50**	**2.5**		**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**1.6**	**2.0**	**4.9**	**J**	**6.1**
Methylene chloride	**0.24**	**0.50**	**0.82**	**J B**	**1.7**
Benzene	**0.43**	**0.20**	**1.4**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.071**	**1.0**	**0.21**	**J**	**2.9**
Toluene	**0.41**	**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	**0.073**	**0.20**	**0.56**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.20**	**0.20**	**0.98**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.13**	**0.20**	**0.58**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.34**	**0.20**	**1.5**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**3.1**	**1.0**	**9.1**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.15**	**0.50**	**0.62**	**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	**0.095**	**0.40**	**0.47**	**J**	**2.0**
Carbon disulfide	**0.10**	**0.50**	**0.32**	**J B**	**1.6**
Carbon tetrachloride	**0.058**	**0.20**	**0.37**	**J**	**1.3**

Lawhon and Associates

Client Sample ID: SU-W071408

GC/MS Volatiles

Lot-Sample # H8G160190 - 003 **Work Order #** KRK871AA **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	**0.21**	**0.20**	**0.57**		**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.84**	**0.50**	**1.7**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.22**	**0.50**	**0.77**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.43**	**0.20**	**2.1**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Heptane, 3-methylene-	2.8	ppb(v/v)
Hexanal	2.7	ppb(v/v)
Unknown	5.4	ppb(v/v)
Unknown	11	ppb(v/v)
1-Propene, 2-methyl-	7.3	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	107	70 - 130
Toluene-d8	109	70 - 130
4-Bromofluorobenzene	94	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-W071408

GC/MS Volatiles

Lot-Sample #	H8G160190 - 003	Work Order #	KRK871AA	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-C071408

GC/MS Volatiles

Lot-Sample #	H8G160190 - 004	Work Order #	KRK881AA	Matrix.....:	AIR

Date Sampled...:	07/14/2008	Date Received..:	07/16/2008
Prep Date.....:	07/21/2008	Analysis Date...	07/22/2008
Prep Batch #.....:	8204105		
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	53	10	130		24
Ethylbenzene	ND	0.40	ND		1.7
Trichlorofluoromethane	0.19	0.40	1.1	J	2.2
n-Heptane	1.6	1.0	6.6		4.1
Hexachlorobutadiene	ND	2.0	ND		21
n-Hexane	0.79	1.0	2.8	J	3.5
2,2,4-Trimethylpentane	ND	1.0	ND		4.7
tert-Butyl alcohol	6.3	4.0	19		12
Methylene chloride	0.39	1.0	1.3	J B	3.5
Benzene	0.24	0.40	0.77	J	1.3
Styrene	ND	0.40	ND		1.7
1,1,2,2-Tetrachloroethane	ND	0.40	ND		2.7
Tetrachloroethene	ND	0.40	ND		2.7
Tetrahydrofuran	0.18	2.0	0.52	J	5.9
Toluene	0.41	0.40	1.6		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	ND	0.40	ND		2.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.064	0.40	0.49	J	3.1
1,2,4-Trimethylbenzene	0.17	0.40	0.82	J	2.0
1,3,5-Trimethylbenzene	ND	0.40	ND		2.0
Vinyl chloride	0.53	0.40	1.4		1.0
o-Xylene	ND	0.40	ND		1.7
Methyl tert-butyl ether	ND	2.0	ND		7.2
m-Xylene & p-Xylene	0.25	0.40	1.1	J	1.7
Bromodichloromethane	ND	0.40	ND		2.7
1,2-Dibromoethane (EDB)	ND	0.40	ND		3.1
2-Butanone (MEK)	8.5	2.0	25		5.9
4-Methyl-2-pentanone (MIBK)	0.15	1.0	0.61	J	4.1
Vinyl bromide	ND	0.40	ND		1.7
Bromoform	ND	0.40	ND		4.1
Bromomethane	0.067	0.40	0.26	J	1.6
1,3-Butadiene	0.45	0.80	0.99	J	1.8
4-Ethyltoluene	ND	0.80	ND		3.9
Carbon disulfide	0.30	1.0	0.93	J B	3.1
Carbon tetrachloride	ND	0.40	ND		2.5

Lawhon and Associates

Client Sample ID: SU-C071408

GC/MS Volatiles

Lot-Sample # H8G160190 - 004 **Work Order #** KRK881AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.40	ND		1.8
Dibromochloromethane	ND	0.40	ND		3.4
Chloroethane	**1.2**	**0.40**	**3.1**		**1.1**
Chloroform	ND	0.40	ND		2.0
Chloromethane	**2.9**	**1.0**	**6.0**		**2.1**
3-Chloropropene	ND	0.40	ND		1.3
2-Chlorotoluene	ND	0.80	ND		4.1
Cyclohexane	**0.34**	**1.0**	**1.2**	**J**	**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	**0.39**	**0.40**	**1.9**	**J**	**2.0**
1,1-Dichloroethane	ND	0.40	ND		1.6
1,2-Dichloroethane	ND	0.40	ND		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	ND	0.40	ND		1.8
cis-1,3-Dichloropropene	ND	0.40	ND		1.8

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Butanal	5.8	ppb(v/v)
Cyclopropane, ethyl-	33	ppb(v/v)
Heptane, 3-methylene-	6.1	ppb(v/v)
Unknown	12	ppb(v/v)
Unknown	6.7	ppb(v/v)
Unknown	12	ppb(v/v)
1-Hexene	11	ppb(v/v)
1-Propene, 2-methyl-	150	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	104	70 - 130
Toluene-d8	115	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.

Lawhon and Associates

Client Sample ID: SU-C071408

GC/MS Volatiles

Lot-Sample #	H8G160190 - 004	Work Order #	KRK881AA	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-TBT071408

GC/MS Volatiles

Lot-Sample #	H8G160190 - 005	**Work Order #**	KRK9C1AA	**Matrix.....:**	AIR

Date Sampled...:	07/15/2008	**Date Received..:**	07/16/2008
Prep Date.....:	07/21/2008	**Analysis Date...**	07/21/2008
Prep Batch #.....:	8204105		
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	**0.14**	**0.50**	**0.47**	**J B**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	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: SU-TBT071408

GC/MS Volatiles

Lot-Sample # H8G160190 - 005 Work Order # KRK9C1AA 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	115	70 - 130
4-Bromofluorobenzene	95	70 - 130

Qualifiers

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

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

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

Lawhon and Associates

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H8G220000 - 105B	Work Order #	KRXEP1AA	Matrix.....:	AIR
	07/14/2008	Date Received..:	07/16/2008		
Prep Date.....:	07/21/2008	Analysis Date...	07/21/2008		
Prep Batch #.....:	8204105				
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	**0.19**	**0.50**	**0.67**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.061**	**0.50**	**0.19**	**J**	**1.6**

Lawhon and Associates

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8G220000 - 105B Work Order # KRXEP1AA 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	103	70 - 130
Toluene-d8	113	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 and Associates

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample #	H8G220000 - 105C	**Work Order #**	KRXEP1AC	**Matrix.....:**	AIR
	07/14/2008	**Date Received..:**	07/16/2008		
Prep Date.....:	07/21/2008	**Analysis Date...**	07/21/2008		
Prep Batch #.....:	8204105				
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	2.17	8.0	6.9	87		70 - 130
Toluene	2.50	2.32	9.4	8.7	93		70 - 130
Trichloroethene	2.50	1.69	13	9.1	68	a	70 - 130
Chlorobenzene	2.50	2.18	12	10	87		70 - 130
1,1-Dichloroethene	2.50	1.94	9.9	7.7	78		70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	99	70 - 130
Toluene-d8	112	70 - 130
4-Bromofluorobenzene	94	70 - 130

Qualifiers

a Spiked analyte recovery is outside stated control limits.

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

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

Sample Receipt Documentation

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

929 Eastwind Drive, Suite 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

№ 8091

H8G160190

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, SD-Sediment, SW-Surface Water, WW-Wastewater, GW-Groundwater, O-Other Air

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

As Received by Lab:

Project No: 07-0082

Project Name: Countryside

Sampler (print): Rachel Secrest

Signature: Rachel Secrest

Sample I.D. No.	Type	Type	Type	Date	Time (min)	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: VOC	Analysis: ~~Sulfur~~ TIC	Expected Conc. (H.M.L.)	Hold	Remarks:
SU-S071408				7/14/08	1440	School	1			X	X			SUMA CAN #
SU-G071408				7/14/08	1440	Campground	1			X	X			SU-0120
SU-W071408				7/14/08	1440	Wetland	1			X	X			SU-12264
SU-C071408				7/14/08	1440	Cell Tower	1			X	X			SU-7491
SU-TBT071408				7/15/08	1440	Trip Blank	1			X	X			SU-93210
														SU-12186
														NO CUSTODY SEALS
														RECEIVED AT AMBIENT
														TEMP BKD 7-16-08
														1 BOX FEDX #
														8166 0250 5203
														5 CANS / 5 FLOWS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Rachel Secrest	7/15/08 1530	Bryan Hamon	7/16/08 09:30				
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:** 1486160190

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

Quote #: 79700 PM Instructions: _____

Sample Receiving Associate: [signature] Date: 7-16-08

QA026R19.doc, 080707

Summary of Results

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

Report Date: 08/14/08
Job Number: E08-08103
Date Received: 07/16/08
Date Analyzed: 08/05/08

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

Sample Name:	S071408-01A ***		S071408-02A		S071408-03A		Reporting
IAL ID:	E08-08103-14		E08-08103-15		E08-08103-16		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.22	0.46	0.14	0.29	0.10	0.21	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	G071408-01A *		G071408-02A		G071408-03A *		Reporting
IAL ID:	E08-08103-17		E08-08103-18		E08-08103-19		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.38	0.79	0.12	0.25	0.30	0.63	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

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

Job Number: E08-08103

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

Sample Name:	W071408-01A *		W071408-02A		W071408-03A		Reporting
IAL ID:	E08-08103-20		E08-08103-21		E08-08103-22		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.24	0.50	< 0.1	< 0.2	0.14	0.29	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Sample Name:	C071408-01A		C071408-02A *		C071408-03A		Reporting
IAL ID:	E08-08103-23		E08-08103-24		E08-08103-25		Limits
Compound	ug	ug/m3	ug	ug/m3	ug	ug/m3	ug
Formaldehyde	0.16	0.33	0.26	0.54	0.20	0.42	0.1
Acetaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

Propionaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	< 0.6	< 1.3	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	< 0.2	< 0.4	< 0.2	< 0.4	0.2
m- and p-Tolualdehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.2	0.1

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

Job Number: E08-08103

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

Sample Name: C071408A-A**
IAL ID: E08-07853-26

Compound	ug	ug/m3	Reporting Limits ug
Formaldehyde	< 0.1	< 0.2	0.1
Acetaldehyde	< 0.1	< 0.2	0.1
Acetone	< 0.1	< 0.2	0.1
Acrolein	< 0.1	< 0.2	0.1
Propionaldehyde	< 0.1	< 0.2	0.1
Crotonaldehyde	< 0.1	< 0.2	0.1
Butyraldehyde	< 0.1	< 0.2	0.1
Benzaldehyde	< 0.1	< 0.2	0.1
Isovaleraldehyde	< 0.6	< 1.3	0.6
Valeraldehyde	< 0.2	< 0.4	0.2
o-Tolualdehyde	< 0.2	< 0.4	0.2

m- and p-Tolualdehyde	< 0.1	< 0.2	0.1
Hexaldehyde	< 0.1	< 0.2	0.1

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

** The sample volume was noted as 480 L on the Chain of Custody and the sorbent tube was cracked as with the other samples.

*** For Sample E08-08103-14 (S071408-01A), all the formaldehyde was on the back half of the sorbent tube.

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: 08/13/08
Job Number: E08-08103
Date Received: 7/16/08
Date Analyzed: 08/13/08

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
S071408-01H	E08-08103-01	0.63	1.3	< 0.4	< 0.8
S071408-02H	E08-08103-02	0.68	1.4	< 0.4	< 0.8
S071408-03H	E08-08103-03	0.84	1.8	< 0.4	< 0.8
G071408-01H	E08-08103-04	< 0.6	< 1.3	< 0.4	< 0.8
G071408-02H	E08-08103-05	< 0.6	< 1.3	< 0.4	< 0.8
G071408-03H	E08-08103-06	0.84	1.8	< 0.4	< 0.8
W071408-01H	E08-08103-07	< 0.6	< 1.3	< 0.4	< 0.8
W071408-02H	E08-08103-08	< 0.6	< 1.3	< 0.4	< 0.8
W071408-03H	E08-08103-09	0.79	1.6	< 0.4	< 0.8
C071408-01H	E08-08103-10	< 0.6	< 1.3	< 0.4	< 0.8
C071408-02H	E08-08103-11	0.60	1.3	< 0.4	< 0.8
C071408-03H	E08-08103-12	< 0.6	< 1.3	< 0.4	< 0.8
C071408A-H*	E08-08103-13	0.74	1.5	< 0.4	< 0.8
Reporting Limit		0.6		0.4	

* The sample volume was noted as 480 L on the Chain of Custody and the sorbent tube was cracked as with the other samples.

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