Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #26

July 13, 2009

APPENDIX A. Laboratory Analytical Results from Event #122:
Sampling conducted Friday, May 22 to Saturday, May 23

Test America Laboratories-Knoxville: EPA Method TO-15M
Test America Laboratories-Phoenix: EPA Method TO-11A, NIOSH 7903

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Countywide

Lot #: H9E280272

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

June 8, 2009

ANALYTICAL METHODS SUMMARY

H9E280272

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

H9E280272

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LDWRG	001	SU-C052209	05/22/09	
LDWRK	002	SU-G052209	05/22/09	
LDWRM	003	SU-S052209	05/22/09	
LDWRP	004	SU-W052209	05/22/09	
LDWRQ	005	SU-COW052209	05/22/09	

NOTE(S):

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

PROJECT NARRATIVE
H9E280272

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

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

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

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

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

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

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

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-C052209

GC/MS Volatiles

Lot-Sample # H9E280272 - 001 **Work Order #** LDWRG1AA **Matrix.....:** AIR

Date Sampled...: 05/22/2009 **Date Received..:** 05/28/2009
Prep Date.....: 06/02/2009 **Analysis Date...** 06/02/2009
Prep Batch #.....: 9154197
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**	**26**		**12**
Ethylbenzene	**0.12**	**0.20**	**0.52**	**J**	**0.87**
Trichlorofluoromethane	**0.26**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.23**	**0.50**	**0.95**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.27**	**0.50**	**0.94**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.053**	**0.50**	**0.25**	**J**	**2.3**
tert-Butyl alcohol	**0.19**	**2.0**	**0.58**	**J**	**6.1**
Methylene chloride	**0.31**	**0.50**	**1.1**	**J B**	**1.7**
Benzene	**0.30**	**0.20**	**0.96**		**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	**0.074**	**1.0**	**0.22**	**J**	**2.9**
Toluene	**0.77**	**0.20**	**2.9**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.070**	**0.20**	**0.53**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.13**	**0.20**	**0.65**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.11**	**0.20**	**0.48**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.33**	**0.20**	**1.4**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.1**	**1.0**	**3.2**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.082**	**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	ND	0.50	ND		1.6
Carbon tetrachloride	**0.081**	**0.20**	**0.51**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C052209

GC/MS Volatiles

Lot-Sample # H9E280272 - 001 **Work Order #** LDWRG1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.53**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.076**	**0.50**	**0.26**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.50**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-G052209

GC/MS Volatiles

Lot-Sample #	H9E280272 - 002	Work Order #	LDWRK1AA	Matrix.....:	AIR

Date Sampled...:	05/22/2009	Date Received..:	05/28/2009
Prep Date.....:	06/02/2009	Analysis Date...	06/02/2009
Prep Batch #.....:	9154197		
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	**0.095**	**0.20**	**0.41**	**J**	**0.87**
Trichlorofluoromethane	**0.24**	**0.20**	**1.3**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.31**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.066**	**0.50**	**0.31**	**J**	**2.3**
tert-Butyl alcohol	**0.25**	**2.0**	**0.75**	**J**	**6.1**
Methylene chloride	**0.87**	**0.50**	**3.0**	**B**	**1.7**
Benzene	**0.35**	**0.20**	**1.1**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.72**	**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	**0.072**	**0.20**	**0.55**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.13**	**0.20**	**0.66**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.12**	**0.20**	**0.52**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.30**	**0.20**	**1.3**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**3.2**	**1.0**	**9.4**		**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	ND	0.40	ND		2.0
Carbon disulfide	**0.046**	**0.50**	**0.14**	**J**	**1.6**
Carbon tetrachloride	**0.071**	**0.20**	**0.45**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G052209

GC/MS Volatiles

Lot-Sample # H9E280272 - 002 Work Order # LDWRK1AA 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	**0.072**	**0.20**	**0.19**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.67**	**0.50**	**1.4**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.080**	**0.50**	**0.28**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.53**	**0.20**	**2.6**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-S052209

GC/MS Volatiles

Lot-Sample #	H9E280272 - 003	Work Order #	LDWRM1AA	Matrix.....:	AIR

Date Sampled...:	05/22/2009	Date Received..:	05/28/2009
Prep Date.....:	06/02/2009	Analysis Date...	06/02/2009
Prep Batch #.....:	9154197		
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**	**72**		**12**
Ethylbenzene	**0.11**	**0.20**	**0.48**	**J**	**0.87**
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.36**	**0.50**	**1.3**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.11**	**0.50**	**0.53**	**J**	**2.3**
tert-Butyl alcohol	**0.38**	**2.0**	**1.2**	**J**	**6.1**
Methylene chloride	**0.29**	**0.50**	**1.0**	**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	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.76**	**0.20**	**2.9**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.076**	**0.20**	**0.58**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.15**	**0.20**	**0.74**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.12**	**0.20**	**0.54**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.34**	**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)	**4.4**	**1.0**	**13**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.21**	**0.50**	**0.85**	**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	**0.059**	**0.50**	**0.18**	**J**	**1.6**
Carbon tetrachloride	**0.085**	**0.20**	**0.53**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S052209

GC/MS Volatiles

Lot-Sample # H9E280272 - 003 **Work Order #** LDWRM1AA **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	**0.056**	**0.20**	**0.15**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.58**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.12**	**0.50**	**0.41**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.48**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-W052209

GC/MS Volatiles

Lot-Sample # H9E280272 - 004 **Work Order #** LDWRP1AA **Matrix.....:** AIR

Date Sampled...: 05/22/2009 **Date Received..:** 05/28/2009
Prep Date.....: 06/02/2009 **Analysis Date...** 06/02/2009
Prep Batch #.....: 9154197
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**	**26**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.2**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.22**	**0.50**	**0.76**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.057**	**0.50**	**0.27**	**J**	**2.3**
tert-Butyl alcohol	**0.16**	**2.0**	**0.49**	**J**	**6.1**
Methylene chloride	**0.26**	**0.50**	**0.91**	**J B**	**1.7**
Benzene	**0.27**	**0.20**	**0.87**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.071**	**1.0**	**0.21**	**J**	**2.9**
Toluene	**0.47**	**0.20**	**1.8**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.070**	**0.20**	**0.54**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.098**	**0.20**	**0.48**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.080**	**0.20**	**0.35**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.20**	**0.20**	**0.88**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.5**	**1.0**	**4.3**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.081**	**0.50**	**0.33**	**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	**0.038**	**0.50**	**0.12**	**J**	**1.6**
Carbon tetrachloride	**0.081**	**0.20**	**0.51**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W052209

GC/MS Volatiles

Lot-Sample # H9E280272 - 004 **Work Order #** LDWRP1AA **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	**0.066**	**0.20**	**0.17**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.78**	**0.50**	**1.6**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.043**	**0.50**	**0.15**	**J**	**1.7**
1,2-Dichlorobenzene	**0.11**	**0.20**	**0.66**	**J**	**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

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-COW052209

GC/MS Volatiles

Lot-Sample #	H9E280272 - 005	Work Order #	LDWRQ1AA	Matrix.....:	AIR

Date Sampled...:	05/22/2009	Date Received..:	05/28/2009
Prep Date.....:	06/02/2009	Analysis Date...	06/02/2009
Prep Batch #.....:	9154197		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**15**	**5.0**	**36**		**12**
Ethylbenzene	**0.11**	**0.20**	**0.49**	**J**	**0.87**
Trichlorofluoromethane	**0.24**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.28**	**0.50**	**1.1**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.25**	**0.50**	**0.88**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.071**	**0.50**	**0.33**	**J**	**2.3**
tert-Butyl alcohol	**0.35**	**2.0**	**1.0**	**J**	**6.1**
Methylene chloride	**0.29**	**0.50**	**1.0**	**J B**	**1.7**
Benzene	**0.38**	**0.20**	**1.2**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.073**	**1.0**	**0.22**	**J**	**2.9**
Toluene	**0.73**	**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	**0.073**	**0.20**	**0.56**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.35**	**0.20**	**1.7**		**0.98**
1,3,5-Trimethylbenzene	**0.088**	**0.20**	**0.43**	**J**	**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.13**	**0.20**	**0.55**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.35**	**0.20**	**1.5**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.2**	**1.0**	**6.5**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.14**	**0.50**	**0.56**	**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	**0.14**	**0.50**	**0.44**	**J**	**1.6**
Carbon tetrachloride	**0.098**	**0.20**	**0.62**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COW052209

GC/MS Volatiles

Lot-Sample # H9E280272 - 005 **Work Order #** LDWRQ1AA **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	**0.078**	**0.50**	**0.27**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.52**	**0.20**	**2.6**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	95	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9F030000 - 197B **Work Order #** LD7RW1AA **Matrix.....:** AIR

	05/29/2009	**Date Received..:**	05/30/2009
Prep Date.....:	06/02/2009	**Analysis Date...**	06/02/2009
Prep Batch #.....:	9154197		
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	**0.12**	**0.50**	**0.40**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9F030000 - 197B **Work Order #** LD7RW1AA **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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	88	70 - 130

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9F030000 - 197C **Work Order #** LD7RW1AC **Matrix.....:** AIR

	05/29/2009	**Date Received..:**	05/30/2009
Prep Date.....:	06/02/2009	**Analysis Date...**	06/02/2009
Prep Batch #.....:	9154197		
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	2.53	8.0	8.1	101	70 - 130
Toluene	2.50	2.35	9.4	8.8	94	70 - 130
Trichloroethene	2.50	2.36	13	13	94	70 - 130
Chlorobenzene	2.50	2.26	12	10	91	70 - 130
1,1-Dichloroethene	2.50	2.17	9.9	8.6	87	70 - 130

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

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

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

Sample Receipt Documentation

H9E-280272

№ 6248

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

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

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~~Cleveland, OH 44113~~
~~Phone (216) 787-0100~~
~~Fax (216) 787-0109~~

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

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7012
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones / Nick Iannuzzi

Signature:

Sample I.D. No.	Type	Comp	Grab	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: VOC TO-15	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C052209				5/22/09	1440	Cell Tower	1			X			7505
SU-G052209				5/22/09	1440	Campground	1			X			7493
SU-S052209				5/22/09	1440	School	1			X			6392
SU-W052209				5/22/09	1440	Wetland	1			X			1129
SU-COW052209				5/22/09	1440	Co-Located Wetland	1			X			6612

CUSTODY SEALS INTACT
RECEIVED AT AMBIENT TEMP
DKD 5-28-09
1 DOX FEDX #
8694 2482 7012

6 CANS / 6 FLOWS

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
	5/27/09 15:00		5-28-09 10:00				
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

H9E280272

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

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: Rick Jones and Nick Iannaggi

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Duplicate	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C052209	5/22/09	5/22/09 15:00	5/23/09 15:00	-29.0	-3.5	K251	7505	X											
SU-G052209	↓	↓	↓	-29.0	-6.5	K105	7493	X											
SU-S052209	↓	↓	↓	-29.0	-4.0	K464	6392	X											
SU-W052209	↓	↓	↓	-29.0	-0.0	K139	1129	X											
SU-COW052209	↓	↓	↓	-30.0	-6.0	K390	6612	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return Can # 12401, did not use

Canisters Shipped by: [signature]	Date/Time:	Canisters Received by:
Samples Relinquished by: [signature]	Date/Time: 5/27/09 15:00	Received by:
Relinquished by:	Date/Time: [signature] 5-28-09 10:00	Received by:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

June 10, 2009

LABORATORY REPORT

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

Work Order: PSE1375
Project Name: Countywide - Ambient Air
Project Number: 07-0082
Date Received: 05/28/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 9.7°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Lawhon and Associates, Inc.
975 Eastwind Drive, Suite 190
Westerville, OH 43081
Shawn Ansbro

Work Order: PSE1375
Project: Countywide - Ambient Air
Project Number: 07-0082

Received: 05/28/09
Reported: 06/10/09 12:23

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C052209-01H	PSE1375-01	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
C052209-02H	PSE1375-02	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
C052209-03H	PSE1375-03	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
G052209-01H	PSE1375-04	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
G052209-02H	PSE1375-05	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
G052209-03H	PSE1375-06	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
S052209-01H	PSE1375-07	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
S052209-02H	PSE1375-08	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
S052209-03H	PSE1375-09	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
W052209-01H	PSE1375-10	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
W052209-02H	PSE1375-11	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
W052209-03H	PSE1375-12	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
052209 A-H	PSE1375-13	05/22/09	Silica Gel tube, 200/400 mg Specially cleaned
C052209-01A	PSE1375-14	05/22/09	DNPH Silica Gel Tube, 450 mg
C052209-02A	PSE1375-15	05/22/09	DNPH Silica Gel Tube, 450 mg
C052209-03A	PSE1375-16	05/22/09	DNPH Silica Gel Tube, 450 mg
G052209-01A	PSE1375-17	05/22/09	DNPH Silica Gel Tube, 450 mg
G052209-02A	PSE1375-18	05/22/09	DNPH Silica Gel Tube, 450 mg
G052209-03A	PSE1375-19	05/22/09	DNPH Silica Gel Tube, 450 mg
S052209-01A	PSE1375-20	05/22/09	DNPH Silica Gel Tube, 450 mg
S052209-02A	PSE1375-21	05/22/09	DNPH Silica Gel Tube, 450 mg
S052209-03A	PSE1375-22	05/22/09	DNPH Silica Gel Tube, 450 mg
W052209-01A	PSE1375-23	05/22/09	DNPH Silica Gel Tube, 450 mg
W052209-02A	PSE1375-24	05/22/09	DNPH Silica Gel Tube, 450 mg
W052209-03A	PSE1375-25	05/22/09	DNPH Silica Gel Tube, 450 mg
052209 A-A	PSE1375-26	05/22/09	DNPH Silica Gel Tube, 450 mg

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSE1375 Project: Countywide - Ambient Air Project Number: 07-0082	Received: 05/28/09 Reported: 06/10/09 12:23	

ANALYTICAL REPORT

Aldehydes and Ketones by EPA TO-11A (Modified)

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSE1375-14 (C052209-01A)	**Tube**		**Sample Air Volume:254.88L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001177	<0.00002145	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	11.9	0.04669	0.02591	IH11, RL7	6/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.190	0.0007454	0.0004138	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	11.7	0.0459	0.02548	IH11, RL7	6/8/2009	zn	0.300	EPA TO-11A
Acetone	3.94	0.01546	0.006508	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	1.02	0.004002	0.001685	IH10	6/5/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.92	0.01146	0.004823	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001177	<0.00005133	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.555	0.002177	0.0005017	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Back	0.0307	0.0001204	0.00002775	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Front	0.524	0.002056	0.0004737	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0001177	<0.00003991	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001177	<0.00004106	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.84	0.01507	0.01227	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.108	0.0004237	0.000345	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.73	0.01463	0.01192	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.96	0.01161	0.002835	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0370	0.0001452	0.00003544	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	2.92	0.01146	0.002797	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001177	<0.00003341	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001177	<0.00002395	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.431	0.001691	0.0003441	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.76	0.006905	0.002907	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0893	0.0003504	0.0001475	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.67	0.006552	0.002758	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001177	<0.00002395	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	1.10	0.004316	0.001225	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Sample ID: PSE1375-15 (C052209-02A)	**Tube**		**Sample Air Volume:205.92L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001457	<0.00002655	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.18	0.01059	0.005876	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.126	0.0006119	0.0003396	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.05	0.009955	0.005526	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetone	1.09	0.005293	0.002228	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001457	<0.00006354	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.229	0.001112	0.0002562	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0001457	<0.0000494	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001457	<0.00005082	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.08	0.005245	0.00427	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.116	0.0005633	0.0004587	IH11	6/5/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSE1375-15 (C052209-02A) - cont.	**Tube**		**Sample Air Volume:205.92L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Formaldehyde - Front	0.969	0.004706	0.003831	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.857	0.004162	0.001016	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0432	0.0002098	0.00005121	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	0.814	0.003953	0.000965	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0721	0.0003501	0.00009939	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001457	<0.00002965	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.181	0.000879	0.0001789	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.460	0.002234	0.0009404	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back (e)	0.0782	0.0003798	0.0001599	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.382	0.001855	0.0007809	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001457	<0.00002965	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.258	0.001253	0.0003557	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Sample ID: PSE1375-16 (C052209-03A)	**Tube**		**Sample Air Volume:268.8L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001116	<0.00002034	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.289	0.001075	0.0005968	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.151	0.0005618	0.0003118	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.138	0.0005134	0.000285	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetone	<0.300	<0.001116	<0.0004698	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001116	<0.00004867	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	<0.0001116	<0.00002571	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0001116	<0.00003784	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001116	<0.00003893	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.574	0.002135	0.001739	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.138	0.0005134	0.000418	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.436	0.001622	0.001321	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.0852	0.000317	0.00007737	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back (e)	0.0306	0.0001138	0.00002779	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	0.0546	0.0002031	0.00004958	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001116	<0.00003168	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001116	<0.00002271	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0407	0.0001514	0.00003081	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.105	0.0003906	0.0001644	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back (e)	0.0684	0.0002545	0.0001071	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.0369	0.0001373	0.00005779	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001116	<0.00002271	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0418	0.0001555	0.00004414	IH10	6/6/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSE1375-17 (G052209-01A)	**Tube**		**Sample Air Volume:172.32L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001741	<0.00003172	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	7.32	0.04248	0.02358	IH11, RL7	6/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.170	0.0009865	0.0005476	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	7.15	0.04149	0.02303	IH11, RL7	6/8/2009	zn	0.300	EPA TO-11A
Acetone	2.92	0.01695	0.007133	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.424	0.002461	0.001036	IH10	6/5/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.50	0.01451	0.006107	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	0.0846	0.0004909	0.0002141	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.567	0.00329	0.0007581	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0001741	<0.00005903	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001741	<0.00006073	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	4.90	0.02844	0.02315	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.122	0.000708	0.0005764	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	4.78	0.02774	0.02258	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	3.14	0.01822	0.004448	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0333	0.0001932	0.00004717	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	3.11	0.01805	0.004406	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001741	<0.00004942	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001741	<0.00003543	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.350	0.002031	0.0004133	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.14	0.006616	0.002785	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0491	0.0002849	0.0001199	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.09	0.006325	0.002663	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001741	<0.00003543	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.976	0.005664	0.001608	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Sample ID: PSE1375-18 (G052209-02A)	**Tube**		**Sample Air Volume:122.88L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002441	<0.00004449	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.74	0.01416	0.00786	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.109	0.000887	0.0004924	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.63	0.01326	0.007363	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetone	0.906	0.007373	0.003104	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002441	<0.0001065	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.264	0.002148	0.000495	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.483	0.003931	0.001333	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002441	<0.00008517	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.21	0.009847	0.008017	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0702	0.0005713	0.0004651	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.14	0.009277	0.007553	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.819	0.006665	0.001627	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0859	0.0006991	0.0001984	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002441	<0.00004968	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.182	0.001481	0.0003014	IH10	6/6/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSE1375-18 (G052209-02A) - cont.	**Tube**		**Sample Air Volume:122.88L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Propionaldehyde	0.302	0.002458	0.001035	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002441	<0.00004968	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.270	0.002197	0.0006237	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Sample ID: PSE1375-19 (G052209-03A)	**Tube**		**Sample Air Volume:158.88L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001888	<0.00003441	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	7.13	0.04488	0.02491	IH11, RL7	6/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.122	0.0007679	0.0004262	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	7.01	0.04412	0.02449	IH11, RL7	6/8/2009	zn	0.300	EPA TO-11A
Acetone	2.55	0.01605	0.006757	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001888	<0.00008235	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.558	0.003512	0.0008092	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.65	0.01039	0.003521	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001888	<0.00006587	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	4.67	0.02939	0.02393	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0860	0.0005413	0.0004407	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	4.58	0.02883	0.02347	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.43	0.01529	0.003734	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001888	<0.0000536	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001888	<0.00003842	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.363	0.002285	0.0004649	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.00	0.006294	0.00265	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001888	<0.00003842	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.935	0.005885	0.001671	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Sample ID: PSE1375-20 (S052209-01A)	**Tube**		**Sample Air Volume:120.48L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000249	<0.00004537	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	11.7	0.09711	0.0539	IH11, RL7	6/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.158	0.001311	0.0007279	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	11.5	0.09545	0.05298	IH11, RL7	6/8/2009	zn	0.300	EPA TO-11A
Acetone	3.68	0.03054	0.01286	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.560	0.004648	0.001957	IH10	6/5/2009	zn	0.300	EPA TO-11A
Acetone - Front	3.12	0.0259	0.0109	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000249	<0.0001086	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.480	0.003984	0.0009179	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	2.72	0.02258	0.007655	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000249	<0.00008686	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.02	0.02507	0.02041	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0876	0.0007271	0.000592	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.93	0.02432	0.0198	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.50	0.02075	0.005065	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000249	<0.00007069	IH10	6/6/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSE1375-20 (S052209-01A) - cont.	**Tube**		**Sample Air Volume:120.48L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
m-Tolualdehyde	<0.0300	<0.000249	<0.00005067	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.299	0.002482	0.000505	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.55	0.01287	0.005416	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0528	0.0004382	0.0001845	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.50	0.01245	0.005241	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000249	<0.00005067	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.856	0.007105	0.002017	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Sample ID: PSE1375-21 (S052209-02A)	**Tube**		**Sample Air Volume:265.44L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000113	<0.00002059	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.11	0.01172	0.006503	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.173	0.0006517	0.0003618	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.94	0.01108	0.006148	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetone	1.44	0.005425	0.002284	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.382	0.001439	0.0006058	IH10	6/5/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.06	0.003993	0.001681	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000113	<0.00004929	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.362	0.001364	0.0003142	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.724	0.002728	0.0009248	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000113	<0.00003943	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.36	0.005124	0.004172	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0987	0.0003718	0.0003027	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.26	0.004747	0.003865	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.15	0.004332	0.001058	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0328	0.0001236	0.00003016	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	1.12	0.004219	0.00103	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.125	0.0004709	0.0001337	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000113	<0.000023	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.232	0.000874	0.0001779	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.586	0.002208	0.0009294	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0445	0.0001676	0.00007057	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.542	0.002042	0.0008596	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000113	<0.000023	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.342	0.001288	0.0003657	IH10	6/6/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSE1375-22 (S052209-03A) **Tube** **Sample Air Volume:284.16L** **Sampled: 05/22/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001056	<0.00001924	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	8.69	0.03058	0.01697	IH11, RL7	6/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.178	0.0006264	0.0003477	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	8.51	0.02995	0.01662	IH11, RL7	6/8/2009	zn	0.300	EPA TO-11A
Acetone	3.57	0.01256	0.005289	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.426	0.001499	0.0006311	IH10	6/5/2009	zn	0.300	EPA TO-11A
Acetone - Front	3.14	0.01105	0.004652	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001056	<0.00004604	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.625	0.002199	0.0005068	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	2.31	0.008129	0.002756	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001056	<0.00003683	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.53	0.01242	0.01011	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.113	0.0003977	0.0003238	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.42	0.01204	0.009799	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.31	0.008129	0.001984	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0304	0.000107	0.00002612	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	2.28	0.008024	0.001959	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001056	<0.00002997	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001056	<0.00002148	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.578	0.002034	0.0004139	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Back	0.0300	0.0001056	0.00002148	IH10	6/5/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Front	0.548	0.001928	0.0003924	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.29	0.00454	0.001911	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0495	0.0001742	0.00007333	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.24	0.004364	0.001837	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001056	<0.00002148	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.829	0.002917	0.0008282	IH10	6/6/2009	zn	0.0300	EPA TO-11A

Sample ID: PSE1375-23 (W052209-01A) **Tube** **Sample Air Volume:258.72L** **Sampled: 05/22/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000116	<0.00002113	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	14.8	0.0572	0.03175	IH11, RL7	6/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.420	0.001623	0.0009011	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	14.4	0.05566	0.03089	IH11, RL7	6/8/2009	zn	0.300	EPA TO-11A
Acetone	3.91	0.01511	0.006362	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	1.42	0.005489	0.002311	IH10	6/5/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.49	0.009624	0.004052	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000116	<0.00005057	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.834	0.003224	0.0007427	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	3.02	0.01167	0.003958	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000116	<0.00004045	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	4.34	0.01677	0.01366	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.114	0.0004406	0.0003588	IH11	6/5/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	4.23	0.01635	0.01331	IH11	6/6/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSE1375-23 (W052209-01A) - cont. | **Tube** | **Sample Air Volume:258.72L** | **Sampled: 05/22/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hexaldehyde	4.31	0.01666	0.004067	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0349	0.0001349	0.00003293	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	4.28	0.01654	0.004038	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000116	<0.00003292	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000116	<0.0000236	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.550	0.002126	0.0004326	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.80	0.006957	0.002929	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0689	0.0002663	0.0001121	IH10	6/5/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.73	0.006687	0.002815	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000116	<0.0000236	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	1.23	0.004754	0.00135	IH10	6/6/2009	zn	0.0300	EPA TO-11A

Sample ID: PSE1375-24 (W052209-02A) | **Tube** | **Sample Air Volume:247.2L** | **Sampled: 05/22/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001214	<0.00002211	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.56	0.01036	0.005748	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.165	0.0006675	0.0003705	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.39	0.009668	0.005366	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetone	0.759	0.00307	0.001293	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001214	<0.00005293	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.346	0.0014	0.0003225	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Back (e)	0.0315	0.0001274	0.00002936	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Front	0.314	0.00127	0.0002927	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.519	0.0021	0.0007119	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001214	<0.00004233	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.02	0.004126	0.00336	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.116	0.0004693	0.0003821	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.902	0.003649	0.002971	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.02	0.004126	0.001007	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0456	0.0001845	0.00004503	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	0.971	0.003928	0.0009589	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.114	0.0004612	0.0001309	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001214	<0.0000247	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.227	0.0009183	0.0001869	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Back (e)	0.0340	0.0001375	0.00002799	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Front	0.193	0.0007807	0.0001589	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.456	0.001845	0.0007765	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back (e)	0.0538	0.0002176	0.00009162	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.402	0.001626	0.0006846	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001214	<0.0000247	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.279	0.001129	0.0003204	IH10	6/6/2009	zn	0.0300	EPA TO-11A

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Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.								
Sample ID: PSE1375-25 (W052209-03A)	**Tube**		**Sample Air Volume:241.92L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000124	<0.0000226	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	8.49	0.03509	0.01948	IH11, RL7	6/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.128	0.0005291	0.0002937	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	8.36	0.03456	0.01918	IH11, RL7	6/8/2009	zn	0.300	EPA TO-11A
Acetone	2.64	0.01091	0.004594	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000124	<0.00005408	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.697	0.002881	0.0006638	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.96	0.008102	0.002747	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000124	<0.00004326	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.82	0.01166	0.009491	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0805	0.0003328	0.0002709	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.74	0.01133	0.009222	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.55	0.01054	0.002573	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000124	<0.0000352	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000124	<0.00002524	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.558	0.002307	0.0004694	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.03	0.004258	0.001792	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000124	<0.00002524	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.825	0.00341	0.0009681	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Sample ID: PSE1375-26 (052209 A-A)	**Tube**		**Sample Air Volume:L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.160	--	--	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0706	--	--	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0889	--	--	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Acetone	<0.300	--	--	IH10	6/6/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.172	--	--	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0632	--	--	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.109	--	--	IH11	6/6/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	6/6/2009	zn	0.0300	EPA TO-11A

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(e) = Analyte concentration > 10% of front result indicates possible breakthrough

Inorganic Acids by NIOSH 7903 (Modified)

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSE1375-01 (C052209-01H)	**Tube**		**Sample Air Volume:141.6L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	1.85	0.01306	0.008761		6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrochloric Acid - Back (e)	1.85	0.01306	0.008761	IH10	6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrochloric Acid - Front	<1.79	<0.01264	<0.008477	IH10	6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01455	<0.01778		6/8/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-02 (C052209-02H)	**Tube**		**Sample Air Volume:146.4L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01223	<0.008199		6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01407	<0.01719		6/8/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-03 (C052209-03H)	**Tube**		**Sample Air Volume:144.48L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	1.98	0.0137	0.00919		6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01426	<0.01742		6/8/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-04 (G052209-01H)	**Tube**		**Sample Air Volume:107.52L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01665	<0.01116		6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01916	<0.02341		6/8/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-05 (G052209-02H)	**Tube**		**Sample Air Volume:10.7.04L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.1673	<0.1122		6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.1925	<0.2352		6/8/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-06 (G052209-03H)	**Tube**		**Sample Air Volume:102.72L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01743	<0.01169		6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.02005	<0.0245		6/8/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-07 (S052209-01H)	**Tube**		**Sample Air Volume:92.16L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01942	<0.01302		6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.02235	<0.02731		6/8/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-08 (S052209-02H)	**Tube**		**Sample Air Volume:177.12L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	2.06	0.01163	0.007799		6/9/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01163	<0.01421		6/9/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-09 (S052209-03H)	**Tube**		**Sample Air Volume:152.64L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	1.89	0.01238	0.008303		6/9/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0135	<0.01649		6/9/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-10 (W052209-01H)	**Tube**		**Sample Air Volume:128.64L**				**Sampled: 05/22/09**	
	ug, Total	mg/m3	ppm				ug, Total	

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Inorganic Acids by NIOSH 7903 (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSE1375-10 (W052209-01H) - cont.		**Tube**		**Sample Air Volume:128.64L**				**Sampled: 05/22/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	2.23	0.01734	0.01162		6/9/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrochloric Acid - Back (e)	2.23	0.01734	0.01162	IH10	6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrochloric Acid - Front	<1.79	<0.01391	<0.009331	IH10	6/9/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01601	<0.01957		6/9/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-11 (W052209-02H)		**Tube**		**Sample Air Volume:129.60L**				**Sampled: 05/22/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01381	<0.009262		6/9/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0159	<0.01942		6/9/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-12 (W052209-03H)		**Tube**		**Sample Air Volume:127.20L**				**Sampled: 05/22/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	5.31	0.04175	0.02799		6/9/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrochloric Acid - Back (e)	2.12	0.01667	0.01118	IH10	6/8/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrochloric Acid - Front	3.19	0.02508	0.01682	IH10	6/9/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01619	<0.01979		6/9/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSE1375-13 (052209 A-H)		**Tube**		**Sample Air Volume:L**				**Sampled: 05/22/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	--	--		6/9/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	--	--		6/9/2009	ss	2.06	NIOSH 7903 (MOD)

(e) = Analyte concentration > 10% of front result indicates possible breakthrough

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PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)						
P9F0534-BLK1						
Formaldehyde	0.1058		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Formaldehyde - Back	0.06021		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Acetaldehyde	0.07811		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Acetaldehyde - Back	0.06493		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Acrolein	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Acrolein - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Acetone	<0.300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Acetone - Back	<0.300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Propionaldehyde	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Crotonaldehyde	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Butyraldehyde	0.04793		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Benzaldehyde	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Isovaleraldehyde	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Valeraldehyde	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
o-Tolualdehyde	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
m-Tolualdehyde	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
p-Tolualdehyde	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Hexaldehyde	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9F0534	P9F0534-BLK1	06-05-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9F0816-BLK1						
Hydrochloric Acid	<1.79	IH10	ug, Total	P9F0816	P9F0816-BLK1	06-08-2009
Hydrochloric Acid - Back	<1.79	IH10	ug, Total	P9F0816	P9F0816-BLK1	06-08-2009
Hydrofluoric Acid	<2.06	IH10	ug, Total	P9F0816	P9F0816-BLK1	06-08-2009
Hydrofluoric Acid - Back	<2.06	IH10	ug, Total	P9F0816	P9F0816-BLK1	06-08-2009

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Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)						

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9F0534-DUP1									
Formaldehyde	3.730	3.719	IH11	ug, Total	0.295	10	P9F0534	PSE1375-14	06-06-2009
Acetaldehyde	11.70	11.70	IH11, RL7	ug, Total	0.00000163	10	P9F0534	PSE1375-14	06-08-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-14	06-06-2009
Acetone	2.920	2.935	IH10	ug, Total	0.512	10	P9F0534	PSE1375-14	06-06-2009
Propionaldehyde	1.670	1.671	IH10	ug, Total	0.0599	10	P9F0534	PSE1375-14	06-06-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-14	06-06-2009
Butyraldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-14	06-06-2009
Benzaldehyde	0.5240	0.5190	IH10	ug, Total	0.959	10	P9F0534	PSE1375-14	06-06-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-14	06-06-2009
Valeraldehyde	1.100	1.097	IH10	ug, Total	0.273	10	P9F0534	PSE1375-14	06-06-2009
o-Tolualdehyde	0.4310	0.4277	IH10	ug, Total	0.769	10	P9F0534	PSE1375-14	06-06-2009
m-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-14	06-06-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-14	06-06-2009
Hexaldehyde	2.920	2.938	IH10	ug, Total	0.615	10	P9F0534	PSE1375-14	06-06-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-14	06-06-2009
P9F0534-DUP2									
Formaldehyde	0.9020	0.9366	IH11	ug, Total	3.76	10	P9F0534	PSE1375-24	06-06-2009
Acetaldehyde	2.390	2.483	IH11	ug, Total	3.82	10	P9F0534	PSE1375-24	06-06-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-24	06-06-2009
Acetone	0.7590	0.7877	IH10	ug, Total	3.71	10	P9F0534	PSE1375-24	06-06-2009
Propionaldehyde	0.4020	0.4157	IH10	ug, Total	3.35	10	P9F0534	PSE1375-24	06-06-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-24	06-06-2009
Butyraldehyde	0.5190	0.5412	IH10	ug, Total	4.19	10	P9F0534	PSE1375-24	06-06-2009
Benzaldehyde	0.3140	0.3229	IH10	ug, Total	2.79	10	P9F0534	PSE1375-24	06-06-2009
Isovaleraldehyde	0.1140	0.1180	IH10	ug, Total	3.45	10	P9F0534	PSE1375-24	06-06-2009
Valeraldehyde	0.2790	0.2889	IH10	ug, Total	3.49	10	P9F0534	PSE1375-24	06-06-2009
o-Tolualdehyde	0.1930	0.1966	IH10	ug, Total	1.85	10	P9F0534	PSE1375-24	06-06-2009
m-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-24	06-06-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-24	06-06-2009
Hexaldehyde	0.9710	0.9962	IH10	ug, Total	2.56	10	P9F0534	PSE1375-24	06-06-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0534	PSE1375-24	06-06-2009

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date

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Aldehydes and Ketones by EPA TO-11A (Modified)

P9F0534-BS1

Formaldehyde	0.45	0.5464	IH11	ug, Total	121%	22-134	P9F0534	06-05-2009
Acetaldehyde	0.45	0.5270	IH11	ug, Total	117%	51-142	P9F0534	06-05-2009
Acrolein	0.45	0.2235	IH10, L2	ug, Total	50%	75-125	P9F0534	06-05-2009
Acetone	0.45	0.6188	IH10, IH5	ug, Total	138%	75-125	P9F0534	06-05-2009
Propionaldehyde	0.45	0.7363	IH10, L1	ug, Total	164%	67-145	P9F0534	06-05-2009
Crotonaldehyde	0.45	0.3789	IH10	ug, Total	84%	66-146	P9F0534	06-05-2009
Butyraldehyde	0.45	0.5020	IH10	ug, Total	112%	56-141	P9F0534	06-05-2009
Benzaldehyde	0.45	0.4639	IH10	ug, Total	103%	57-142	P9F0534	06-05-2009
Isovaleraldehyde	0.45	0.4633	IH10	ug, Total	103%	66-144	P9F0534	06-05-2009
Valeraldehyde	0.45	0.4795	IH10	ug, Total	107%	66-144	P9F0534	06-05-2009
o-Tolualdehyde	0.45	0.4817	IH10	ug, Total	107%	39-130	P9F0534	06-05-2009
m-Tolualdehyde	0.45	0.4524	IH10	ug, Total	101%	73-143	P9F0534	06-05-2009
p-Tolualdehyde	0.45	0.4299	IH10	ug, Total	96%	66-147	P9F0534	06-05-2009
Hexaldehyde	0.45	0.4836	IH10	ug, Total	107%	65-145	P9F0534	06-05-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4445	IH10	ug, Total	99%	75-144	P9F0534	06-05-2009

Inorganic Acids by NIOSH 7903 (Modified)

P9F0816-BS1

Hydrochloric Acid	10.3	12.27	IH10	ug, Total	119%	70-130	P9F0816	06-08-2009
Hydrofluoric Acid	10.5	9.339	IH10	ug, Total	89%	70-130	P9F0816	06-08-2009

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)												
P9F0534-BSD1												
Formaldehyde		0.5418	IH11	ug, Total	0.45	120%	22-134	0.845	20	P9F0534		06-05-2009
Acetaldehyde		0.5216	IH11	ug, Total	0.45	116%	51-142	1.03	20	P9F0534		06-05-2009
Acrolein		0.2185	IH10, L2	ug, Total	0.45	49%	75-125	2.26	20	P9F0534		06-05-2009
Acetone		0.6034	IH10,	ug, Total	0.45	134%	75-125	2.52	20	P9F0534		06-05-2009
Propionaldehyde		0.7296	IH10, L1	ug, Total	0.45	162%	67-145	0.914	20	P9F0534		06-05-2009
Crotonaldehyde		0.3749	IH10	ug, Total	0.45	83%	66-146	1.06	20	P9F0534		06-05-2009
Butyraldehyde		0.4944	IH10	ug, Total	0.45	110%	56-141	1.53	20	P9F0534		06-05-2009
Benzaldehyde		0.4560	IH10	ug, Total	0.45	101%	57-142	1.72	20	P9F0534		06-05-2009
Isovaleraldehyde		0.4518	IH10	ug, Total	0.45	100%	66-144	2.51	20	P9F0534		06-05-2009
Valeraldehyde		0.4677	IH10	ug, Total	0.45	104%	66-144	2.49	20	P9F0534		06-05-2009
o-Tolualdehyde		0.4738	IH10	ug, Total	0.45	105%	39-130	1.65	20	P9F0534		06-05-2009
m-Tolualdehyde		0.4442	IH10	ug, Total	0.45	99%	73-143	1.83	20	P9F0534		06-05-2009
p-Tolualdehyde		0.4226	IH10	ug, Total	0.45	94%	66-147	1.71	20	P9F0534		06-05-2009
Hexaldehyde		0.4765	IH10	ug, Total	0.45	106%	65-145	1.48	20	P9F0534		06-05-2009
2,5-Dimethyl Benzaldehyde		0.4377	IH10	ug, Total	0.45	97%	75-144	1.54	20	P9F0534		06-05-2009
Inorganic Acids by NIOSH 7903 (Modified)												
P9F0816-BSD1												
Hydrochloric Acid		11.36	IH10	ug, Total	10.3	110%	70-130	7.7	30	P9F0816		06-08-2009
Hydrofluoric Acid		9.593	IH10	ug, Total	10.5	91%	70-130	2.68	30	P9F0816		06-08-2009

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CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6001, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7600, NIOSH 7903, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSE1375 Project: Countywide - Ambient Air Project Number: 07-0082	Received: 05/28/09 Reported: 06/10/09 12:23	

DATA QUALIFIERS AND DEFINITIONS

IH10 Target analyte was not detected in the method blank at or above the reporting limit. The QC samples and client sample(s) were not blank corrected.

IH11 Target analyte was detected in the method blank at or above the reporting limit. The background was not subtracted from the QC samples or the client's sample(s).

IH5 The associated blank media spike recovery was above laboratory acceptance limits, because of background interference present in the media or solvent that was below the reporting limit, but high enough to have an effect on the recovery of the spikes.

L1 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.

L2 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.

RL7 Sample required dilution due to high concentration of target analyte.

ADDITIONAL COMMENTS

PSB1375 № 6231

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

976 ~~929~~ Eastwind Drive, Suite 190 ~~211~~
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: Fed Ex
Air Bill No.: 8694 2482 7034
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones / Nick Iannaggi

Signature:

Sample I.D. No.	Type	Comp	Grab	Date	Time min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis	Method	HF	NIOSH 7905	Expected Conc. (H,M,L)	Hold	Remarks: Flow Rate l/min
C052209-01H				5/22/09	480	Cell Tower	1			X	X	X	-01		0.295 l/min
C052209-02H				5/22/09	480	Cell Tower	1			X	X	X	-02		0.305 "
C052209-03H				5/22/09	480	Cell Tower	1			X	X	X	-03		0.301 "
G052209-01H				5/22/09	480	Campground	1			X	X	X	-04		0.224 l/min
G052209-02H				5/22/09	480	Campground	1			X	X	X	-05		0.223 "
G052209-03H				5/22/09	480	Campground	1			X	X	X	-06		0.214 "
S052209-01H				5/22/09	480	School	1			X	X	X	-07		0.192 l/min
S052209-02H				5/22/09	480	School	1			X	X	X	-08		0.369 "
S052209-03H				5/22/09	480	School	1			X	X	X	-09		0.318 "
W052209-01H				5/22/09	480	Wetland	1			X	X	X	-10		0.268 l/min
W052209-02H				5/22/09	480	Wetland	1			X	X	X	-11		0.270 "
W052209-03H				5/22/09	480	Wetland	1			X	X	X	-12		0.265 "
052209 A-H				5/22/09		Field Blank	1			X	X	X	-13		No Flow - Field Blank

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
	5/22/09 15:00						
Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
							5/28/09 10:30

Comments: Ice Bags were melted on receipt 9.7°C

Distribution: White - File; Yellow - Lab

PSE1375 № 6232

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

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Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7034
Page 2 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones / Nick Iannaccone

Signature:

Sample I.D. No.	Type	Comp	Grab	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis: Aldehyde	Analysis: Ketone	Analysis: Carbonyl		Expected Conc. (H,M,L)	Hold	Remarks: Flow Rate l/min
										TO-11	TO-11	TO-11				
C052209-01A				5/22/09	480	Cell Tower	1			X	X	X	-14			0.531 l/min
C052209-02A				5/22/09	480	Cell Tower	1			X	X	X	-15			0.429 "
C052209-03A				5/22/09	480	Cell Tower	1			X	X	X	-16			0.560 "
G052209-01A				5/22/09	480	Campground	1			X	X	X	-17			0.359 l/min
G052209-02A				5/22/09	480	Campground	1			X	X	X	-18			0.256 "
G052209-03A				5/22/09	480	Campground	1			X	X	X	-19			0.331 "
S052209-01A				5/22/09	480	School	1			X	X	X	-20			0.251 l/min
S052209-02A				5/22/09	480	School	1			X	X	X	-21			0.553 "
S052209-03A				5/22/09	480	School	1			X	X	X	-22			0.592 "
W052209-01A				5/22/09	480	Wetland	1			X	X	X	-23			0.539 l/min
W052209-02A				5/22/09	480	Wetland	1			X	X	X	-24			0.515 "
W052209-03A				5/22/09	480	Wetland	1			X	X	X	-25			0.504 "
052209 A-A				5/22/09		Field Blank	1			X	X	X	-26			No Flow Field Blank

Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
	5/22/09 15:00						
Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
							5/28/09 10:30

Comments: Ice Bags melted on Receipt 9.7° C

Distribution: White - File; Yellow - Lab

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #26

July 13, 2009

APPENDIX B. Laboratory Analytical Results from Event #123:
Sampling conducted Thursday, May 28 to Friday, May 29

Test America Laboratories-Knoxville: EPA Method TO-15M
Test America Laboratories-Phoenix: EPA Method TO-11A, NIOSH 7903

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Countywide

Lot #: H9F030105

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

June 11, 2009

ANALYTICAL METHODS SUMMARY

H9F030105

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

H9F030105

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LD7FA	001	SU-C052809	05/28/09	
LD7FC	002	SU-G052809	05/28/09	
LD7FD	003	SU-S052809	05/28/09	
LD7FE	004	SU-W052809	05/28/09	
LD7FF	005	SU-COC052809	05/28/09	

NOTE(S):

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

PROJECT NARRATIVE
H9F030105

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

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

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

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

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

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

The surrogate recoveries for batch 9155065 were quantified using the daily calibration verification standard.

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

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-C052809

GC/MS Volatiles

Lot-Sample # H9F030105 - 001 **Work Order #** LD7FA1AA **Matrix.....:** AIR

Date Sampled...: 05/28/2009 **Date Received..:** 06/02/2009
Prep Date.....: 06/03/2009 **Analysis Date...** 06/03/2009
Prep Batch #.....: 9155065
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**4.8**	**5.0**	**11**	**J**	**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.091**	**0.50**	**0.37**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.81**	**0.50**	**2.9**		**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.075**	**2.0**	**0.23**	**J**	**6.1**
Methylene chloride	**0.37**	**0.50**	**1.3**	**J B**	**1.7**
Benzene	**0.13**	**0.20**	**0.41**	**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	**0.32**	**0.20**	**1.2**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.077**	**0.20**	**0.59**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.12**	**0.20**	**0.57**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.52**	**1.0**	**1.5**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.086**	**0.20**	**0.54**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C052809

GC/MS Volatiles

Lot-Sample # H9F030105 - 001 **Work Order #** LD7FA1AA **Matrix.....:** AIR

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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-G052809

GC/MS Volatiles

Lot-Sample # H9F030105 - 002 **Work Order #** LD7FC1AA **Matrix.....:** AIR

Date Sampled...: 05/28/2009 **Date Received..:** 06/02/2009
Prep Date.....: 06/03/2009 **Analysis Date...** 06/03/2009
Prep Batch #.....: 9155065
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	**18**	**5.0**	**44**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.26**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.22**	**0.50**	**0.90**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.38**	**0.50**	**1.3**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.23**	**2.0**	**0.69**	**J**	**6.1**
Methylene chloride	**0.60**	**0.50**	**2.1**	**B**	**1.7**
Benzene	**0.15**	**0.20**	**0.48**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.32**	**0.20**	**1.2**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.081**	**0.20**	**0.62**	**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)	**2.1**	**1.0**	**6.2**		**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	ND	0.50	ND		1.6
Carbon tetrachloride	**0.083**	**0.20**	**0.52**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G052809

GC/MS Volatiles

Lot-Sample # H9F030105 - 002 **Work Order #** LD7FC1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.61**	**0.50**	**1.3**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.49**	**0.20**	**2.4**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-S052809

GC/MS Volatiles

Lot-Sample # H9F030105 - 003 **Work Order #** LD7FD1AA **Matrix.....:** AIR

Date Sampled...: 05/28/2009 **Date Received..:** 06/02/2009
Prep Date.....: 06/03/2009 **Analysis Date...** 06/03/2009
Prep Batch #.....: 9155065
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	**26**	**5.0**	**62**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.27**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.40**	**0.50**	**1.6**	**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	**0.16**	**2.0**	**0.48**	**J**	**6.1**
Methylene chloride	**0.48**	**0.50**	**1.7**	**J B**	**1.7**
Benzene	**0.18**	**0.20**	**0.57**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.11**	**1.0**	**0.33**	**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	**0.083**	**0.20**	**0.64**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.17**	**0.20**	**0.83**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.076**	**0.20**	**0.33**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.19**	**0.20**	**0.85**	**J**	**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)	**0.17**	**0.50**	**0.70**	**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	**0.066**	**0.50**	**0.20**	**J**	**1.6**
Carbon tetrachloride	**0.098**	**0.20**	**0.61**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S052809

GC/MS Volatiles

Lot-Sample # H9F030105 - 003 **Work Order #** LD7FD1AA **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	**0.042**	**0.20**	**0.11**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.97**	**0.50**	**2.0**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.55**	**0.20**	**2.7**		**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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-W052809

GC/MS Volatiles

Lot-Sample # H9F030105 - 004 **Work Order #** LD7FE1AA **Matrix.....:** AIR

Date Sampled...: 05/28/2009 **Date Received..:** 06/02/2009
Prep Date.....: 06/03/2009 **Analysis Date...** 06/03/2009
Prep Batch #.....: 9155065
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	**18**	**5.0**	**42**		**12**
Ethylbenzene	**0.071**	**0.20**	**0.31**	**J**	**0.87**
Trichlorofluoromethane	**0.29**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.31**	**0.50**	**1.3**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.21**	**0.50**	**0.73**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.17**	**2.0**	**0.52**	**J**	**6.1**
Methylene chloride	**0.51**	**0.50**	**1.8**	**B**	**1.7**
Benzene	**0.14**	**0.20**	**0.45**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.065**	**1.0**	**0.19**	**J**	**2.9**
Toluene	**0.53**	**0.20**	**2.0**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.083**	**0.20**	**0.64**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.087**	**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	**0.066**	**0.20**	**0.29**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.22**	**0.20**	**0.93**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.7**	**1.0**	**7.9**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.13**	**0.50**	**0.55**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.038**	**0.50**	**0.12**	**J**	**1.6**
Carbon tetrachloride	**0.083**	**0.20**	**0.52**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W052809

GC/MS Volatiles

Lot-Sample # H9F030105 - 004 **Work Order #** LD7FE1AA **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	**0.048**	**0.20**	**0.13**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.69**	**0.50**	**1.4**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.92**	**0.20**	**4.5**		**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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	98	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-COC052809

GC/MS Volatiles

Lot-Sample # H9F030105 - 005 **Work Order #** LD7FF1AA **Matrix.....:** AIR

Date Sampled...: 05/28/2009 **Date Received..:** 06/02/2009
Prep Date.....: 06/03/2009 **Analysis Date...** 06/03/2009
Prep Batch #.....: 9155065
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**5.7**	**5.0**	**13**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.24**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.097**	**0.50**	**0.40**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.15**	**0.50**	**0.54**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.051**	**2.0**	**0.16**	**J**	**6.1**
Methylene chloride	**0.58**	**0.50**	**2.0**	**B**	**1.7**
Benzene	**0.14**	**0.20**	**0.45**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.44**	**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	**0.078**	**0.20**	**0.59**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.064**	**0.20**	**0.31**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.63**	**1.0**	**1.9**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.081**	**0.20**	**0.51**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COC052809

GC/MS Volatiles

Lot-Sample # H9F030105 - 005 **Work Order #** LD7FF1AA **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	**0.60**	**0.50**	**1.2**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.48**	**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

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9F040000 - 065B **Work Order #** LD94L1AA **Matrix.....:** AIR

05/29/2009 **Date Received..:** 06/01/2009
Prep Date.....: 06/03/2009 **Analysis Date...** 06/03/2009
Prep Batch #.....: 9155065
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 & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9F040000 - 065B **Work Order #** LD94L1AA **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

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

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9F040000 - 065C **Work Order #** LD94L1AC **Matrix.....:** AIR

05/29/2009 **Date Received..:** 06/01/2009
Prep Date.....: 06/03/2009 **Analysis Date...** 06/03/2009
Prep Batch #.....: 9155065
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	12.5	9.42	40	30	75	70 - 130
Toluene	12.5	13.0	47	49	104	70 - 130
Trichloroethene	12.5	11.5	67	62	92	70 - 130
Chlorobenzene	12.5	12.2	58	56	97	70 - 130
1,1-Dichloroethene	12.5	15.1	50	60	121	70 - 130

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

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

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

Sample Receipt Documentation

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

1-99F-030103

№ 5112

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

~~2415 Freeman Ave.~~
~~Cleveland, OH 44118~~
~~Phone (216) 737-0100~~
~~Fax (216) 737-0189~~

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

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7067
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Nick Iannaggi

Signature:

Sample I.D. No.	Type	Comp	Grab	Date	Time (Min)	Sample Location	Number of Containers	Analysis (Method TO-11) VOC	Remarks: Summa Can #
SU-C052809				5/28/09	1440	Cell Tower	1	X	S-1534
SU-G052809				5/28/09	1440	Campground	1	X	6529
SU-S052809				5/28/09	1440	School	1	X	6658
SU-W052809				5/28/09	1440	Wetland	1	X	7786
SU-COC052809				5/28/09	1440	Co-Located	1	X	04391

CUSTODY SEALS INTACT
RECEIVED AT AMBIENT
TEMP DKD 6-2-09
1 BOX FEDEX #
8694 2482 7067

6 CANS / 6 FLOWS

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
	6/01/09 15:00		6-2-09 10:15				
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

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

Canister Samples Chain of Custody Record

H9F030105

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

TestAmerica
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Client Contact Information
Company: Lawhon & Associates
Address: 975 Eastwind Dr. Suite 190
City/State/Zip: Westerville, Ohio 43081
Phone: (614) 818-5200
FAX: (614) 818-5219
Project Name: Countywide
Site/location: Community
PO # 07-00082

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

Sampled By: Nick Iannaggi

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum In Field, "Hg (Start)	Canister Vacuum In Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946		Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C05 28 09	5/28/09	1500	1500	-29.0	-5.0	K117	S-1534	X											
SU-G05 28 09	↓	↓	↓	-29.5	-5.5	K438	6529	X											
SU-S05 28 09				-29.0	-5.5	K301	6658	X											
SU-W05 28 09				-29.0	-5.0	K443	7786	X											
SU-COC05 28 09				-28.5	-5.5	K278	04391	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return Can #12181, did not use.

Canisters Shipped by:	Date/Time: 6/01/09 15:00	Canisters Received by:
Samples Relinquished by:	Date/Time:	Received by: 6-2-09 10:15
Relinquished by:	Date/Time:	Received by:

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June 16, 2009

LABORATORY REPORT

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

Work Order: PSF0085
Project Name: Countywide - Ambient Air
Project Number: 07-0082/Countywide
Date Received: 06/02/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 14.3°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

N-1 = The back section result is higher than that found in the front section. The tube section placements and vial labels were verified at time of extraction and transfer. The sample locations on the autosampler were also verfied at time of placement and removal. Additionally, there is generally a visual difference in the color between the front and back sections of the sample extracts. These sample extracts match the appearance for the each of the labelled sections.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

Denise Harrington
Project Manager

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

Work Order: PSF0085
Project: Countywide - Ambient Air
Project Number: 07-0082/Countywide

Received: 06/02/09
Reported: 06/16/09 09:28

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C052809-01H	PSF0085-01	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
C052809-02H	PSF0085-02	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
C052809-03H	PSF0085-03	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
G052809-01H	PSF0085-04	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
G052809-02H	PSF0085-05	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
G052809-03H	PSF0085-06	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
S052809-01H	PSF0085-07	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
S052809-02H	PSF0085-08	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
S052809-03H	PSF0085-09	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
W052809-01H	PSF0085-10	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
W052809-02H	PSF0085-11	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
W052809-03H	PSF0085-12	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
052809A-H	PSF0085-13	05/28/09	Silica Gel tube, 200/400 mg Specially cleaned
C052809-01A	PSF0085-14	05/28/09	DNPH Silica Gel Tube, 450 mg
C052809-02A	PSF0085-15	05/28/09	DNPH Silica Gel Tube, 450 mg
C052809-03A	PSF0085-16	05/28/09	DNPH Silica Gel Tube, 450 mg
G052809-01A	PSF0085-17	05/28/09	DNPH Silica Gel Tube, 450 mg
G052809-02A	PSF0085-18	05/28/09	DNPH Silica Gel Tube, 450 mg
G052809-03A	PSF0085-19	05/28/09	DNPH Silica Gel Tube, 450 mg
S052809-01A	PSF0085-20	05/28/09	DNPH Silica Gel Tube, 450 mg
S052809-02A	PSF0085-21	05/28/09	DNPH Silica Gel Tube, 450 mg
S052809-03A	PSF0085-22	05/28/09	DNPH Silica Gel Tube, 450 mg
W052809-01A	PSF0085-23	05/28/09	DNPH Silica Gel Tube, 450 mg
W052809-02A	PSF0085-24	05/28/09	DNPH Silica Gel Tube, 450 mg
W052809-03A	PSF0085-25	05/28/09	DNPH Silica Gel Tube, 450 mg
052809A-A	PSF0085-26	05/28/09	DNPH Silica Gel Tube, 450 mg

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0085 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/02/09 Reported: 06/16/09 09:28	

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified)								
Sample ID: PSF0085-14 (C052809-01A)		**Tube**		**Sample Air Volume:245.76L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001221	<0.00002224	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.68	0.01497	0.008311	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.421	0.001713	0.0009508	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.26	0.01326	0.007363	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	0.490	0.001994	0.0008393	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001221	<0.00005324	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.560	0.002279	0.000525	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.04	0.004232	0.001435	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001221	<0.00004258	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.82	0.007406	0.00603	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0732	0.0002979	0.0002425	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.75	0.007121	0.005798	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.45	0.009969	0.002434	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.123	0.0005005	0.0001421	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001221	<0.00002484	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.215	0.0008748	0.000178	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.870	0.00354	0.00149	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0635	0.0002584	0.0001088	IH10	6/9/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.807	0.003284	0.001382	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001221	<0.00002484	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.759	0.003088	0.0008767	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-15 (C052809-02A)		**Tube**		**Sample Air Volume:194.88L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001539	<0.00002805	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.35	0.006927	0.003845	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.123	0.0006312	0.0003503	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.23	0.006312	0.003503	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	0.418	0.002145	0.0009029	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001539	<0.00006713	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.325	0.001668	0.0003842	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.396	0.002032	0.000689	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001539	<0.0000537	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.862	0.004423	0.003601	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0607	0.0003115	0.0002536	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.801	0.00411	0.003346	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.945	0.004849	0.001184	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001539	<0.0000437	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001539	<0.00003133	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.130	0.0006671	0.0001357	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.293	0.001503	0.0006329	IH10	6/10/2009	zn	0.0300	EPA TO-11A

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0085 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/02/09 Reported: 06/16/09 09:28	

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.								
Sample ID: PSF0085-15 (C052809-02A) - cont.	**Tube**		**Sample Air Volume:194.88L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
p-Tolualdehyde	<0.0300	<0.0001539	<0.00003133	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.277	0.001421	0.0004035	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-16 (C052809-03A)	**Tube**		**Sample Air Volume:251.04L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001195	<0.00002178	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.42	0.00964	0.005351	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0775	0.0003087	0.0001714	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.34	0.009321	0.005174	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	0.939	0.00374	0.001575	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001195	<0.00005212	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.326	0.001299	0.0002992	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0001195	<0.00004052	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001195	<0.00004169	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.928	0.003697	0.00301	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0410	0.0001633	0.000133	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.887	0.003533	0.002877	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.03	0.004103	0.001002	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0860	0.0003426	0.00009725	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0405	0.0001613	0.00003283	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.147	0.0005856	0.0001192	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.438	0.001745	0.0007345	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001195	<0.00002432	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.323	0.001287	0.0003652	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-17 (G052809-01A)	**Tube**		**Sample Air Volume:158.88L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001888	<0.00003441	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.08	0.01939	0.01076	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.235	0.001479	0.000821	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.84	0.01788	0.009922	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	0.501	0.003153	0.001327	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001888	<0.00008235	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.802	0.005048	0.001163	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.638	0.004016	0.001362	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001888	<0.00006587	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.17	0.01366	0.01112	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0710	0.0004469	0.0003638	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.10	0.01322	0.01076	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.16	0.0136	0.003319	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001888	<0.0000536	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001888	<0.00003842	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.212	0.001334	0.0002715	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.615	0.003871	0.00163	IH10	6/10/2009	zn	0.0300	EPA TO-11A

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0085 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/02/09 Reported: 06/16/09 09:28	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0085-17 (G052809-01A) - cont.	**Tube**		**Sample Air Volume:158.88L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Propionaldehyde - Back	0.0389	0.0002448	0.0001031	IH10	6/9/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.576	0.003625	0.001526	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001888	<0.00003842	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.742	0.00467	0.001326	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-18 (G052809-02A)	**Tube**		**Sample Air Volume:120.96L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000248	<0.00004519	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.38	0.01141	0.006332	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.119	0.0009838	0.0005461	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.26	0.01042	0.005782	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	0.539	0.004456	0.001876	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000248	<0.0001082	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.589	0.004869	0.001122	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.359	0.002968	0.001006	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000248	<0.00008652	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.32	0.01091	0.008885	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0679	0.0005613	0.000457	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.25	0.01033	0.008414	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.22	0.01009	0.002462	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000248	<0.00007041	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.000248	<0.00005047	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.140	0.001157	0.0002355	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.285	0.002356	0.0009919	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000248	<0.00005047	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.410	0.00339	0.0009622	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-19 (G052809-03A)	**Tube**		**Sample Air Volume:164.64L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001822	<0.0000332	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.23	0.01354	0.007518	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0796	0.0004835	0.0002684	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.15	0.01306	0.007248	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	0.860	0.005224	0.002199	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001822	<0.00007947	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.573	0.00348	0.0008019	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.561	0.003407	0.001155	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001822	<0.00006356	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.65	0.01002	0.00816	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0644	0.0003912	0.0003185	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.59	0.009657	0.007863	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.34	0.008139	0.001987	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001822	<0.00005173	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001822	<0.00003708	IH10	6/10/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0085-19 (G052809-03A) - cont.	**Tube**		**Sample Air Volume:164.64L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
o-Tolualdehyde	0.161	0.0009779	0.000199	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.399	0.002423	0.00102	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001822	<0.00003708	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.0001822	<0.00005173	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-20 (S052809-01A)	**Tube**		**Sample Air Volume:124.8L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002404	<0.0000438	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.50	0.02804	0.01557	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.260	0.002083	0.001156	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.24	0.02596	0.01441	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	0.402	0.003221	0.001356	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002404	<0.0001048	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.368	0.002949	0.0006794	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.836	0.006699	0.002271	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002404	<0.00008386	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.34	0.01074	0.008742	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0648	0.0005192	0.0004228	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.28	0.01026	0.008351	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.77	0.01418	0.003462	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0935	0.0007492	0.0002127	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002404	<0.00004892	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.163	0.001306	0.0002658	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.768	0.006154	0.002591	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0499	0.0003998	0.0001683	IH10	6/9/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.718	0.005753	0.002422	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002404	<0.00004892	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.556	0.004455	0.001265	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-21 (S052809-02A)	**Tube**		**Sample Air Volume:257.28L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001166	<0.00002125	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.77	0.00688	0.003819	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.173	0.0006724	0.0003732	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.60	0.006219	0.003452	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	0.549	0.002134	0.0008983	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001166	<0.00005085	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.331	0.001287	0.0002964	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.460	0.001788	0.0006062	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001166	<0.00004068	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.941	0.003657	0.002978	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0692	0.000269	0.000219	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.872	0.003389	0.00276	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.952	0.0037	0.0009033	IH10	6/10/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0085-21 (S052809-02A) - cont.	**Tube**		**Sample Air Volume:257.28L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Isovaleraldehyde	<0.0300	<0.0001166	<0.0000331	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001166	<0.00002373	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.0001166	<0.00002373	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.397	0.001543	0.0006496	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0326	0.0001267	0.00005334	IH10	6/9/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.364	0.001415	0.0005956	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001166	<0.00002373	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.331	0.001287	0.0003652	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-22 (S052809-03A)	**Tube**		**Sample Air Volume:264L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001136	<0.00002071	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.54	0.009621	0.00534	IH11, N1	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	2.26	0.008561	0.004752	IH11, N1	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.277	0.001049	0.0005824	IH11, N1	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	1.31	0.004962	0.002089	IH10, N1	6/10/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.756	0.002864	0.001206	IH10, N1	6/9/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.550	0.002083	0.000877	IH10, N1	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001136	<0.00004956	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.280	0.001061	0.0002444	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Back (e)	0.280	0.001061	0.0002444	IH10, N1	6/9/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Front	<0.0300	<0.0001136	<0.00002618	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.614	0.002326	0.0007886	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.614	0.002326	0.0007886	IH10, N1	6/9/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	<0.0300	<0.0001136	<0.00003853	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001136	<0.00003964	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.969	0.00367	0.002988	IH11, N1	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.847	0.003208	0.002612	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.122	0.0004621	0.0003763	IH11, N1	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.983	0.003723	0.0009089	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back (e)	0.983	0.003723	0.0009089	IH10, N1	6/9/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	<0.0300	<0.0001136	<0.00002774	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0507	0.000192	0.00005452	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Back (e)	0.0507	0.000192	0.00005452	IH10, N1	6/9/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Front	<0.0300	<0.0001136	<0.00003226	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001136	<0.00002312	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.131	0.0004962	0.000101	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Back (e)	0.131	0.0004962	0.000101	N1, IH10	6/9/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Front	<0.0300	<0.0001136	<0.00002312	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.498	0.001886	0.0007941	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back (e)	0.451	0.001708	0.0007192	IH10, N1	6/9/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.0469	0.0001777	0.00007479	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001136	<0.00002312	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.310	0.001174	0.0003333	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0085-22 (S052809-03A) - cont.	**Tube**		**Sample Air Volume:264L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Valeraldehyde - Back (e)	0.310	0.001174	0.0003333	IH10, N1	6/9/2009	zn	0.0300	EPA TO-11A
Valeraldehyde - Front	<0.0300	<0.0001136	<0.00003226	IH10, N1	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-23 (W052809-01A)	**Tube**		**Sample Air Volume:241.44L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001243	<0.00002264	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.06	0.0251	0.01393	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.555	0.002299	0.001276	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.51	0.02282	0.01267	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	0.949	0.003931	0.001655	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.314	0.001301	0.0005475	IH10	6/9/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.635	0.00263	0.001107	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001243	<0.00005419	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.803	0.003326	0.0007663	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.33	0.005509	0.001868	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001243	<0.00004334	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.13	0.008822	0.007183	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0708	0.0002932	0.0002388	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.06	0.008532	0.006947	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.83	0.01172	0.002861	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001243	<0.00003527	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001243	<0.00002529	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.0001243	<0.00002529	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.16	0.004805	0.002023	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0494	0.0002046	0.00008613	IH10	6/9/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.11	0.004597	0.001935	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001243	<0.00002529	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.850	0.003521	0.0009994	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-24 (W052809-02A)	**Tube**		**Sample Air Volume:263.04L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001141	<0.00002078	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.83	0.006957	0.003862	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.153	0.0005817	0.0003229	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.68	0.006387	0.003545	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	0.619	0.002353	0.0009907	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001141	<0.00004974	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.429	0.001631	0.0003758	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.506	0.001924	0.0006522	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001141	<0.00003979	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.959	0.003646	0.002968	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0642	0.0002441	0.0001987	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.895	0.003403	0.00277	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.03	0.003916	0.0009559	IH10	6/10/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0085-24 (W052809-02A) - cont.	**Tube**		**Sample Air Volume:263.04L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Isovaleraldehyde	<0.0300	<0.0001141	<0.00003238	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001141	<0.00002321	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.134	0.0005094	0.0001037	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.349	0.001327	0.0005585	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001141	<0.00002321	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.306	0.001163	0.0003302	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-25 (W052809-03A)	**Tube**		**Sample Air Volume:225.12L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001333	<0.00002428	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.20	0.01421	0.00789	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0816	0.0003625	0.0002012	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.12	0.01386	0.007693	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	1.51	0.006708	0.002824	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001333	<0.00005812	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.430	0.00191	0.0004401	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.0001333	<0.00004518	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001333	<0.00004649	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.10	0.004886	0.003978	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0640	0.0002843	0.0002315	IH11	6/9/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.04	0.00462	0.003761	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.15	0.005108	0.001247	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0855	0.0003798	0.0001078	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0849	0.0003771	0.00007674	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.156	0.000693	0.000141	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.511	0.00227	0.0009556	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001333	<0.00002712	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.373	0.001657	0.0004703	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0085-26 (052809A-A)	**Tube**		**Sample Air Volume:L**				**Sampled: 05/28/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.154	--	--	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0645	--	--	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0899	--	--	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Acetone	<0.300	--	--	IH10	6/10/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.170	--	--	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0581	--	--	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.112	--	--	IH11	6/10/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A

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Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.								
Sample ID: PSF0085-26 (052809A-A) - cont.		**Tube**		**Sample Air Volume:L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Isovaleraldehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	6/10/2009	zn	0.0300	EPA TO-11A
(e) = Analyte concentration > 10% of front result indicates possible breakthrough								
Inorganic Acids by NIOSH 7903 (Modified)								
Sample ID: PSF0085-01 (C052809-01H)		**Tube**		**Sample Air Volume:140.16L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01277	<0.008564		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0147	<0.01796		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-02 (C052809-02H)		**Tube**		**Sample Air Volume:144L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01243	<0.008336		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01431	<0.01748		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-03 (C052809-03H)		**Tube**		**Sample Air Volume:140.16L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01277	<0.008564		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0147	<0.01796		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-04 (G052809-01H)		**Tube**		**Sample Air Volume:116.64L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01535	<0.01029		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01766	<0.02158		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-05 (G052809-02H)		**Tube**		**Sample Air Volume:108.48L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.0165	<0.01107		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01899	<0.0232		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-06 (G052809-03H)		**Tube**		**Sample Air Volume:111.36L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01607	<0.01078		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0185	<0.0226		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-07 (S052809-01H)		**Tube**		**Sample Air Volume:134.4L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01332	<0.008931		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01533	<0.01873		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-08 (S052809-02H)		**Tube**		**Sample Air Volume:162.72L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.011	<0.007377		6/12/2009	ss	1.79	NIOSH 7903 (MOD)

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Inorganic Acids by NIOSH 7903 (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0085-08 (S052809-02H) - cont.		**Tube**		**Sample Air Volume:162.72L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrofluoric Acid	<2.06	<0.01266	<0.01547		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-09 (S052809-03H)		**Tube**		**Sample Air Volume:162.72L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.011	<0.007377		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01266	<0.01547		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-10 (W052809-01H)		**Tube**		**Sample Air Volume:153.6L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01165	<0.007815		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01341	<0.01639		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-11 (W052809-02H)		**Tube**		**Sample Air Volume:149.76L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01195	<0.008015		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01376	<0.01681		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-12 (W052809-03H)		**Tube**		**Sample Air Volume:129.6L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	2.18	0.01682	0.01128		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0159	<0.01942		6/12/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0085-13 (052809A-H)		**Tube**		**Sample Air Volume:L**				**Sampled: 05/28/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	--	--		6/12/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	--	--		6/12/2009	ss	2.06	NIOSH 7903 (MOD)

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PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)						
P9F0910-BLK1						
Formaldehyde	0.1218		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Formaldehyde - Back	0.05306		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Acetaldehyde	0.08142		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Acetaldehyde - Back	0.06151		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Acrolein	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Acrolein - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Acetone	<0.300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Acetone - Back	<0.300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Propionaldehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Crotonaldehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Butyraldehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Benzaldehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Isovaleraldehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Valeraldehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
o-Tolualdehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
m-Tolualdehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
p-Tolualdehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Hexaldehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9F0910	P9F0910-BLK1	06-09-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9F1304-BLK1						
Hydrochloric Acid	<1.79		ug, Total	P9F1304	P9F1304-BLK1	06-11-2009
Hydrochloric Acid - Back	<1.79		ug, Total	P9F1304	P9F1304-BLK1	06-11-2009
Hydrofluoric Acid	<2.06		ug, Total	P9F1304	P9F1304-BLK1	06-11-2009
Hydrofluoric Acid - Back	<2.06		ug, Total	P9F1304	P9F1304-BLK1	06-11-2009

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Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)						

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9F0910-DUP1									
Formaldehyde	1.750	1.763	IH11	ug, Total	0.74	10	P9F0910	PSF0085-14	06-10-2009
Acetaldehyde	3.260	3.284	IH11	ug, Total	0.733	10	P9F0910	PSF0085-14	06-10-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-14	06-10-2009
Acetone	0.4900	0.4903	IH10	ug, Total	0.0612	10	P9F0910	PSF0085-14	06-10-2009
Propionaldehyde	0.8070	0.8108	IH10	ug, Total	0.47	10	P9F0910	PSF0085-14	06-10-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-14	06-10-2009
Butyraldehyde	1.040	1.043	IH10	ug, Total	0.288	10	P9F0910	PSF0085-14	06-10-2009
Benzaldehyde	0.5600	0.5621	IH10	ug, Total	0.374	10	P9F0910	PSF0085-14	06-10-2009
Isovaleraldehyde	0.1230	0.1201	IH10	ug, Total	2.39	10	P9F0910	PSF0085-14	06-10-2009
Valeraldehyde	0.7590	0.8076	IH10	ug, Total	6.2	10	P9F0910	PSF0085-14	06-10-2009
o-Tolualdehyde	0.2150	0.2143	IH10	ug, Total	0.326	10	P9F0910	PSF0085-14	06-10-2009
m-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-14	06-10-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-14	06-10-2009
Hexaldehyde	2.450	2.457	IH10	ug, Total	0.285	10	P9F0910	PSF0085-14	06-10-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-14	06-10-2009
P9F0910-DUP2									
Formaldehyde	0.8950	0.9052	IH11	ug, Total	1.13	10	P9F0910	PSF0085-24	06-10-2009
Acetaldehyde	1.680	1.694	IH11	ug, Total	0.83	10	P9F0910	PSF0085-24	06-10-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-24	06-10-2009
Acetone	0.6190	0.6191	IH10	ug, Total	0.0161	10	P9F0910	PSF0085-24	06-10-2009
Propionaldehyde	0.3490	0.3501	IH10	ug, Total	0.315	10	P9F0910	PSF0085-24	06-10-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-24	06-10-2009
Butyraldehyde	0.5060	0.5053	IH10	ug, Total	0.138	10	P9F0910	PSF0085-24	06-10-2009
Benzaldehyde	0.4290	0.4264	IH10	ug, Total	0.608	10	P9F0910	PSF0085-24	06-10-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-24	06-10-2009
Valeraldehyde	0.3060	0.3177	IH10	ug, Total	3.75	10	P9F0910	PSF0085-24	06-10-2009
o-Tolualdehyde	0.1340	0.1347	IH10	ug, Total	0.521	10	P9F0910	PSF0085-24	06-10-2009
m-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-24	06-10-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-24	06-10-2009
Hexaldehyde	1.030	1.039	IH10	ug, Total	0.87	10	P9F0910	PSF0085-24	06-10-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F0910	PSF0085-24	06-10-2009

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date

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LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9F0910-BS1								
Formaldehyde	0.45	0.5537	IH11	ug, Total	123%	22-134	P9F0910	06-09-2009
Acetaldehyde	0.45	0.5219	IH11	ug, Total	116%	51-142	P9F0910	06-09-2009
Acrolein	0.45	0.2637	IH10, L2	ug, Total	59%	75-125	P9F0910	06-09-2009
Acetone	0.45	0.6176	IH10, IH5	ug, Total	137%	75-125	P9F0910	06-09-2009
Propionaldehyde	0.45	0.6902	IH10, L1	ug, Total	153%	67-145	P9F0910	06-09-2009
Crotonaldehyde	0.45	0.4041	IH10	ug, Total	90%	66-146	P9F0910	06-09-2009
Butyraldehyde	0.45	0.4882	IH10	ug, Total	108%	56-141	P9F0910	06-09-2009
Benzaldehyde	0.45	0.4597	IH10	ug, Total	102%	57-142	P9F0910	06-09-2009
Isovaleraldehyde	0.45	0.4622	IH10	ug, Total	103%	66-144	P9F0910	06-09-2009
Valeraldehyde	0.45	0.4772	IH10	ug, Total	106%	66-144	P9F0910	06-09-2009
o-Tolualdehyde	0.45	0.4908	IH10	ug, Total	109%	39-130	P9F0910	06-09-2009
m-Tolualdehyde	0.45	0.4560	IH10	ug, Total	101%	73-143	P9F0910	06-09-2009
p-Tolualdehyde	0.45	0.4282	IH10	ug, Total	95%	66-147	P9F0910	06-09-2009
Hexaldehyde	0.45	0.4850	IH10	ug, Total	108%	65-145	P9F0910	06-09-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4446	IH10	ug, Total	99%	75-144	P9F0910	06-09-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9F1304-BS1								
Hydrochloric Acid	10.3	10.21		ug, Total	99%	70-130	P9F1304	06-11-2009
Hydrofluoric Acid	10.5	9.786		ug, Total	93%	70-130	P9F1304	06-11-2009

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)												
P9F0910-BSD1												
Formaldehyde		0.5357	IH11	ug, Total	0.45	119%	22-134	3.3	20	P9F0910		06-09-2009
Acetaldehyde		0.5124	IH11	ug, Total	0.45	114%	51-142	1.84	20	P9F0910		06-09-2009
Acrolein		0.2564	IH10, L2	ug, Total	0.45	57%	75-125	2.81	20	P9F0910		06-09-2009
Acetone		0.6025	IH10,	ug, Total	0.45	134%	75-125	2.48	20	P9F0910		06-09-2009
Propionaldehyde		0.6639	IH10, L1	ug, Total	0.45	148%	67-145	3.88	20	P9F0910		06-09-2009
Crotonaldehyde		0.3890	IH10	ug, Total	0.45	86%	66-146	3.81	20	P9F0910		06-09-2009
Butyraldehyde		0.4972	IH10	ug, Total	0.45	110%	56-141	1.83	20	P9F0910		06-09-2009
Benzaldehyde		0.4431	IH10	ug, Total	0.45	99%	57-142	3.68	20	P9F0910		06-09-2009
Isovaleraldehyde		0.4473	IH10	ug, Total	0.45	99%	66-144	3.28	20	P9F0910		06-09-2009
Valeraldehyde		0.4620	IH10	ug, Total	0.45	103%	66-144	3.24	20	P9F0910		06-09-2009
o-Tolualdehyde		0.4700	IH10	ug, Total	0.45	104%	39-130	4.33	20	P9F0910		06-09-2009
m-Tolualdehyde		0.4404	IH10	ug, Total	0.45	98%	73-143	3.48	20	P9F0910		06-09-2009
p-Tolualdehyde		0.4169	IH10	ug, Total	0.45	93%	66-147	2.67	20	P9F0910		06-09-2009
Hexaldehyde		0.4724	IH10	ug, Total	0.45	105%	65-145	2.63	20	P9F0910		06-09-2009
2,5-Dimethyl Benzaldehyde		0.4311	IH10	ug, Total	0.45	96%	75-144	3.08	20	P9F0910		06-09-2009

Inorganic Acids by NIOSH 7903 (Modified)

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0085 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/02/09 Reported: 06/16/09 09:28	

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)												
P9F1304-BSD1												
Hydrochloric Acid		10.76		ug, Total	10.3	104%	70-130	5.25	30	P9F1304		06-11-2009
Hydrofluoric Acid		10.08		ug, Total	10.5	96%	70-130	2.96	30	P9F1304		06-11-2009

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0085 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/02/09 Reported: 06/16/09 09:28	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6001, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7600, NIOSH 7903, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0085 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/02/09 Reported: 06/16/09 09:28	

DATA QUALIFIERS AND DEFINITIONS

IH10	Target analyte was not detected in the method blank at or above the reporting limit. The QC samples and client sample(s) were not blank corrected.
IH11	Target analyte was detected in the method blank at or above the reporting limit. The background was not subtracted from the QC samples or the client's sample(s).
IH5	The associated blank media spike recovery was above laboratory acceptance limits, because of background interference present in the media or solvent that was below the reporting limit, but high enough to have an effect on the recovery of the spikes.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
N1	See case narrative.

ADDITIONAL COMMENTS

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #26

July 13, 2009

APPENDIX C. Laboratory Analytical Results from Event #124:
Sampling conducted Wednesday, June 3 to Thursday, June 4

Test America Laboratories-Knoxville: EPA Method TO-15M
Test America Laboratories-Phoenix: EPA Method TO-11A, NIOSH 7903

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Countywide

Lot #: H9F090175

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

June 16, 2009

ANALYTICAL METHODS SUMMARY

H9F090175

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

H9F090175

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LEKJM	001	SU-C060309	06/03/09	
LEKJN	002	SU-G060309	06/03/09	
LEKJP	003	SU-S060309	06/03/09	
LEKJQ	004	SU-W060309	06/03/09	
LEKJT	005	SU-COS060309	06/03/09	

NOTE(S):

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

PROJECT NARRATIVE
H9F090175

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

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

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

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

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

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

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

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-C060309

GC/MS Volatiles

Lot-Sample #	H9F090175 - 001	**Work Order #**	LEKJM1AA	**Matrix.....:**	AIR

Date Sampled...:	06/03/2009	**Date Received..:**	06/09/2009
Prep Date.....:	06/10/2009	**Analysis Date...**	06/10/2009
Prep Batch #.....:	9162126		
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**	**26**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.24**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.20**	**0.50**	**0.81**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.19**	**0.50**	**0.69**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.092**	**2.0**	**0.28**	**J**	**6.1**
Methylene chloride	**0.32**	**0.50**	**1.1**	**J B**	**1.7**
Benzene	**0.22**	**0.20**	**0.70**		**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	**0.079**	**1.0**	**0.23**	**J**	**2.9**
Toluene	**0.48**	**0.20**	**1.8**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.065**	**0.20**	**0.50**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.079**	**0.20**	**0.39**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.062**	**0.20**	**0.27**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.17**	**0.20**	**0.72**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.1**	**1.0**	**3.1**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.072**	**0.50**	**0.30**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	**0.037**	**0.20**	**0.14**	**J**	**0.78**
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.081**	**0.20**	**0.51**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C060309

GC/MS Volatiles

Lot-Sample # H9F090175 - 001 **Work Order #** LEKJM1AA **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	**0.065**	**0.20**	**0.17**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.59**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.041**	**0.50**	**0.14**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.47**	**0.20**	**2.3**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-G060309

GC/MS Volatiles

Lot-Sample # H9F090175 - 002 **Work Order #** LEKJN1AA **Matrix.....:** AIR

Date Sampled...: 06/03/2009 **Date Received..:** 06/09/2009
Prep Date.....: 06/10/2009 **Analysis Date...** 06/10/2009
Prep Batch #.....: 9162126
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**	**27**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.26**	**0.50**	**1.1**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.19**	**0.50**	**0.66**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.10**	**2.0**	**0.31**	**J**	**6.1**
Methylene chloride	**0.15**	**0.50**	**0.52**	**J B**	**1.7**
Benzene	**0.20**	**0.20**	**0.65**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.42**	**0.20**	**1.6**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.069**	**0.20**	**0.53**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.068**	**0.20**	**0.33**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.062**	**0.20**	**0.27**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.17**	**0.20**	**0.75**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.4**	**1.0**	**4.2**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.062**	**0.50**	**0.26**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.088**	**0.20**	**0.56**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G060309

GC/MS Volatiles

Lot-Sample # H9F090175 - 002 **Work Order #** LEKJN1AA **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	**0.039**	**0.20**	**0.10**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.57**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.043**	**0.50**	**0.15**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.47**	**0.20**	**2.3**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	107	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-S060309

GC/MS Volatiles

Lot-Sample # H9F090175 - 003 **Work Order #** LEKJP1AA **Matrix.....:** AIR

Date Sampled...: 06/03/2009 **Date Received..:** 06/09/2009
Prep Date.....: 06/10/2009 **Analysis Date...** 06/10/2009
Prep Batch #.....: 9162126
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**10**	**5.0**	**24**		**12**
Ethylbenzene	**0.094**	**0.20**	**0.41**	**J**	**0.87**
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.21**	**0.50**	**0.84**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.22**	**0.50**	**0.77**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.043**	**0.50**	**0.20**	**J**	**2.3**
tert-Butyl alcohol	**0.19**	**2.0**	**0.57**	**J**	**6.1**
Methylene chloride	**0.22**	**0.50**	**0.78**	**J B**	**1.7**
Benzene	**0.22**	**0.20**	**0.70**		**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	**0.60**	**0.20**	**2.3**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	**0.083**	**0.20**	**0.45**	**J**	**1.1**
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.064**	**0.20**	**0.49**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.13**	**0.20**	**0.65**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.088**	**0.20**	**0.38**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.25**	**0.20**	**1.1**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.4**	**1.0**	**4.1**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.068**	**0.50**	**0.28**	**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	**0.046**	**0.50**	**0.14**	**J**	**1.6**
Carbon tetrachloride	**0.089**	**0.20**	**0.56**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S060309

GC/MS Volatiles

Lot-Sample # H9F090175 - 003 **Work Order #** LEKJP1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.47**	**0.50**	**0.97**	**J**	**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.057**	**0.50**	**0.20**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.44**	**0.20**	**2.2**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-W060309

GC/MS Volatiles

Lot-Sample #	H9F090175 - 004	**Work Order #**	LEKJQ1AA	**Matrix.....:**	AIR

Date Sampled...:	06/03/2009	**Date Received..:**	06/09/2009
Prep Date.....:	06/10/2009	**Analysis Date...**	06/10/2009
Prep Batch #.....:	9162126		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**12**	**5.0**	**29**		**12**
Ethylbenzene	**0.071**	**0.20**	**0.31**	**J**	**0.87**
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.20**	**0.50**	**0.82**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.25**	**0.50**	**0.89**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.039**	**0.50**	**0.18**	**J**	**2.3**
tert-Butyl alcohol	**0.13**	**2.0**	**0.38**	**J**	**6.1**
Methylene chloride	**0.29**	**0.50**	**1.0**	**J B**	**1.7**
Benzene	**0.21**	**0.20**	**0.66**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.69**	**0.20**	**2.6**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.067**	**0.20**	**0.51**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.081**	**0.20**	**0.40**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.077**	**0.20**	**0.33**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.19**	**0.20**	**0.82**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.4**	**1.0**	**4.1**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.061**	**0.50**	**0.25**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.032**	**0.50**	**0.098**	**J**	**1.6**
Carbon tetrachloride	**0.079**	**0.20**	**0.50**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W060309

GC/MS Volatiles

Lot-Sample # H9F090175 - 004 **Work Order #** LEKJQ1AA **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	**0.046**	**0.20**	**0.12**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.54**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.065**	**0.50**	**0.22**	**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

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-COS060309

GC/MS Volatiles

Lot-Sample # H9F090175 - 005 **Work Order #** LEKJT1AA **Matrix.....:** AIR

Date Sampled...: 06/03/2009 **Date Received..:** 06/09/2009
Prep Date.....: 06/10/2009 **Analysis Date...** 06/10/2009
Prep Batch #.....: 9162126
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	**4.9**	**5.0**	**12**	**J**	**12**
Ethylbenzene	**0.078**	**0.20**	**0.34**	**J**	**0.87**
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.23**	**0.50**	**0.93**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.30**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.046**	**0.50**	**0.22**	**J**	**2.3**
tert-Butyl alcohol	**0.11**	**2.0**	**0.34**	**J**	**6.1**
Methylene chloride	**0.21**	**0.50**	**0.73**	**J B**	**1.7**
Benzene	**0.26**	**0.20**	**0.83**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.56**	**0.20**	**2.1**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.070**	**0.20**	**0.53**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.099**	**0.20**	**0.49**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.078**	**0.20**	**0.34**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.22**	**0.20**	**0.95**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.61**	**1.0**	**1.8**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.034**	**0.50**	**0.10**	**J**	**1.6**
Carbon tetrachloride	**0.092**	**0.20**	**0.58**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COS060309

GC/MS Volatiles

Lot-Sample # H9F090175 - 005 **Work Order #** LEKJT1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.56**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.055**	**0.50**	**0.19**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.50**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9F110000 - 126B **Work Order #** LEN361AA **Matrix.....:** AIR

	06/07/2009	**Date Received..:**	06/09/2009
Prep Date.....:	06/10/2009	**Analysis Date...**	06/10/2009
Prep Batch #.....:	9162126		
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	**0.11**	**0.50**	**0.37**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9F110000 - 126B **Work Order #** LEN361AA **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

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

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9F110000 - 126C **Work Order #** LEN361AC **Matrix.....:** AIR

06/07/2009 **Date Received..:** 06/09/2009
Prep Date.....: 06/10/2009 **Analysis Date...** 06/10/2009
Prep Batch #.....: 9162126
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	12.5	11.9	40	38	95	70 - 130
Toluene	12.5	10.5	47	39	84	70 - 130
Trichloroethene	12.5	10.8	67	58	86	70 - 130
Chlorobenzene	12.5	10.3	58	47	82	70 - 130
1,1-Dichloroethene	12.5	12.0	50	48	96	70 - 130

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

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

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

Sample Receipt Documentation

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

H4F-090175

№ 5137

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

~~2115 Freeman Ave.~~
~~Cleveland, OH 44115~~
~~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 Knoxville (Lab Name)
VIA: Fed - Ex
Air Bill No.: 8694 2482 7078
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Nick Iannaggi

Signature: [signature]

Sample I.D. No.	Type	Comp	Grab	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis	Method	Expected Conc. (H.M.L.)	Hold	Remarks: Summa Can #
SU-C060309				6/3/09	1440	Cell Tower	1		X	VOC 70.15			62345N
SU-G060309				6/3/09	1440	Campground	1		X				6683
SU-S060309				6/3/09	1440	School	1		X				02011N
SU-W060309				6/3/09	1440	Wetland	1		X				7515
SU-CO5060309				6/3/09	1440	Co-Locate School	1		X				93170

REC. AT AMBIENT
CUSTODY SEAL INTACT
1 COOLER RH 6/9/09
FED EX # 8694 2482 7078

6 CANS / 6 FLOWS

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
[signature]	6/8/09 15:00	Ryan Henry	6/9/09 1000				
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

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

Canister Samples Chain of Custody Record

H9F090175

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: Lawhon & Associates
Address: 975 Eastwind Dr. Suite 190
City/State/Zip: Westerville, Ohio 43081
Phone: (614) 818-5200
FAX: (614) 818-5219
Project Name: Countywide
Site/location: Community
PO # 07-00082

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

Sampled By: Nick Iannaggi

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946		Sample Matrix	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C 060309	6/3/09	15:00	15:00	-29.5	-5.0	K460	62345N	X											
SU-G 060309	↓	↓	↓	-29.5	0	K442	6683	X											
SU-S 060309	↓	↓	↓	-29.5	-4.5	K214	02011N	X											
SU-W 060309	↓	↓	↓	-29.5	0	K113	7615	X											
SU-COS 060309	↓	↓	↓	-29.0	-5.5	K177	93170	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return can 11159; did not use.

Canisters Shipped by: [signature]	Date/Time:	Canisters Received by:
Samples Relinquished by: [signature]	Date/Time: 6/8/09 15:00	Received by:
Relinquished by:	Date/Time:	Received by:

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June 24, 2009

LABORATORY REPORT

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

Work Order: PSF0530
Project Name: Countywide - Ambient Air
Project Number: 07-0082/Countywide
Date Received: 06/09/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 1.3°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

N1 = The Hydrochloric Acid results are estimates only as the chloride curve did not meet laboratory requirements. The data is provided as requested.

A seven point calibration curve and samples were loaded and analyzed together for fluoride, chloride, bromide, phosphate and sulfate. This is the usual practice as the curve routinely is acceptable for all analytes calibrated together. In this circumstance, the chloride calibration did not meet laboratory acceptance criteria for r squared greater than or equal to 0.990. The observed r squared value was 0.987 for chloride. The nature of this test is that the laboratory can only analyze the sample one time.

Using fewer calibration points was investigated but again the curve did not meet laboratory acceptance criteria for r squared greater than or equal to 0.990.

In the future, the calibration curve will be verified prior to sample analysis to prevent this situation.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

NOTE: This report is a revision of the original report dated 06/22/09. The Hydrochloric Acid results are being reported with N-1 qualifier per client request.

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0530 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/09/09 Reported: 06/24/09 16:17	

Approved By:

Denise Harrington

Denise Harrington
Project Manager

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

Work Order: PSF0530
Project: Countywide - Ambient Air
Project Number: 07-0082/Countywide

Received: 06/09/09
Reported: 06/24/09 16:17

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C060309-01 H	PSF0530-01	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
C060309-02 H	PSF0530-02	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
C060309-03 H	PSF0530-03	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
G060309-01 H	PSF0530-04	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
G060309-02 H	PSF0530-05	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
G060309-03 H	PSF0530-06	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
S060309-01 H	PSF0530-07	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
S060309-02 H	PSF0530-08	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
S060309-03 H	PSF0530-09	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
W060309-01 H	PSF0530-10	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
W060309-02 H	PSF0530-11	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
W060309-03 H	PSF0530-12	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
060309A-H	PSF0530-13	06/03/09	Silica Gel tube, 200/400 mg Specially cleaned
C060309-01 A	PSF0530-14	06/03/09	DNPH Silica Gel Tube, 450 mg
C060309-02 A	PSF0530-15	06/03/09	DNPH Silica Gel Tube, 450 mg
C060309-03 A	PSF0530-16	06/03/09	DNPH Silica Gel Tube, 450 mg
G060309-01 A	PSF0530-17	06/03/09	DNPH Silica Gel Tube, 450 mg
G060309-02 A	PSF0530-18	06/03/09	DNPH Silica Gel Tube, 450 mg
G060309-03 A	PSF0530-19	06/03/09	DNPH Silica Gel Tube, 450 mg
S060309-01 A	PSF0530-20	06/03/09	DNPH Silica Gel Tube, 450 mg
S060309-02 A	PSF0530-21	06/03/09	DNPH Silica Gel Tube, 450 mg
S060309-03 A	PSF0530-22	06/03/09	DNPH Silica Gel Tube, 450 mg
W060309-01 A	PSF0530-23	06/03/09	DNPH Silica Gel Tube, 450 mg
W060309-02 A	PSF0530-24	06/03/09	DNPH Silica Gel Tube, 450 mg
W060309-03 A	PSF0530-25	06/03/09	DNPH Silica Gel Tube, 450 mg
060309A- A	PSF0530-26	06/03/09	DNPH Silica Gel Tube, 450 mg

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0530 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/09/09 Reported: 06/24/09 16:17	

ANALYTICAL REPORT

Aldehydes and Ketones by EPA TO-11A (Modified)

Sample ID: PSF0530-14 (C060309-01 A) — **Sample Air Volume:211.2L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000142	<0.00002588	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.43	0.01151	0.006386	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.181	0.000857	0.0004757	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.25	0.01065	0.005913	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.489	0.002315	0.0009747	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000142	<0.00006195	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.387	0.001832	0.0004222	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.643	0.003045	0.001032	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0742	0.0003513	0.0001191	IH10	6/12/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.569	0.002694	0.0009135	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000142	<0.00004955	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.979	0.004635	0.003774	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0813	0.0003849	0.0003134	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.898	0.004252	0.003462	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.44	0.006818	0.001664	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0304	0.0001439	0.00003514	IH10	6/12/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	1.41	0.006676	0.00163	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.100	0.0004735	0.0001344	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0771	0.0003651	0.00007429	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.142	0.0006723	0.0001368	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.508	0.002405	0.001013	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0380	0.0001799	0.00007574	IH10	6/12/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.470	0.002225	0.0009368	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0817	0.0003868	0.00007872	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.445	0.002107	0.0005981	IH10	6/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0530-15 (C060309-02 A) — **Sample Air Volume:174.24L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001722	<0.00003137	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.14	0.006543	0.003632	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0810	0.0004649	0.000258	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.06	0.006084	0.003377	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.570	0.003271	0.001377	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001722	<0.00007509	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.258	0.001481	0.0003412	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Back (e)	0.0428	0.0002456	0.00005659	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Front	0.215	0.001234	0.0002843	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.380	0.002181	0.0007395	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0452	0.0002594	0.00008796	IH10	6/12/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.335	0.001923	0.0006519	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001722	<0.00006006	IH10	6/13/2009	zn	0.0300	EPA TO-11A

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0530 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/09/09 Reported: 06/24/09 16:17	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF0530-15 (C060309-02 A) - cont. — **Sample Air Volume:174.24L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Formaldehyde	0.573	0.003289	0.002678	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0666	0.0003822	0.0003112	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.506	0.002904	0.002364	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.653	0.003748	0.0009148	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0677	0.0003885	0.0001103	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0485	0.0002784	0.00005664	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0948	0.0005441	0.0001107	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.218	0.001251	0.0005267	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0508	0.0002916	0.00005933	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.284	0.00163	0.0004627	IH10	6/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0530-16 (C060309-03 A) — **Sample Air Volume:219.36L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001368	<0.00002492	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.99	0.01819	0.0101	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0869	0.0003962	0.0002199	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.90	0.01778	0.009868	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	1.61	0.00734	0.00309	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001368	<0.00005964	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.389	0.001773	0.0004086	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Back (e)	0.0358	0.0001632	0.0000376	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Front	0.353	0.001609	0.0003708	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.05	0.004787	0.001623	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0454	0.000207	0.00007017	IH10	6/12/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.00	0.004559	0.001546	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001368	<0.00004771	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.25	0.005698	0.00464	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0616	0.0002808	0.0002286	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.19	0.005425	0.004417	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.32	0.006018	0.001469	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.105	0.0004787	0.0001359	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0566	0.000258	0.00005251	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.191	0.0008707	0.0001772	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.601	0.00274	0.001153	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0794	0.000362	0.00007366	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.414	0.001887	0.0005358	IH10	6/13/2009	zn	0.0300	EPA TO-11A

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0530 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/09/09 Reported: 06/24/09 16:17	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF0530-17 (G060309-01 A) — **Sample Air Volume:143.04L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002097	<0.00003822	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.95	0.01363	0.007567	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.102	0.0007131	0.0003958	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.85	0.01293	0.007179	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.810	0.005663	0.002384	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002097	<0.00009147	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.387	0.002706	0.0006234	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Back	0.0302	0.0002111	0.00004864	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Front	0.357	0.002496	0.000575	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.655	0.004579	0.001553	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0798	0.0005579	0.0001892	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.575	0.00402	0.001363	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002097	<0.00007316	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.14	0.00797	0.006489	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0699	0.0004887	0.0003979	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.07	0.00748	0.00609	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.02	0.007131	0.001741	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002097	<0.00005954	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0392	0.000274	0.00005577	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0826	0.0005775	0.0001175	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.353	0.002468	0.001039	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002097	<0.00004268	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.303	0.002118	0.0006013	IH10	6/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0530-18 (G060309-02 A) — **Sample Air Volume:103.68L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002894	<0.00005273	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.908	0.008758	0.004861	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0740	0.0007137	0.0003962	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.834	0.008044	0.004465	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.551	0.005314	0.002237	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002894	<0.0001262	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.196	0.00189	0.0004356	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.352	0.003395	0.001151	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0573	0.0005527	0.0001874	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.295	0.002845	0.0009647	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002894	<0.0001009	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.708	0.006829	0.00556	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0636	0.0006134	0.0004994	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.644	0.006211	0.005057	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.478	0.00461	0.001125	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0786	0.0007581	0.0002152	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0320	0.0003086	0.00006281	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0570	0.0005498	0.0001119	IH10	6/13/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF0530-18 (G060309-02 A) - cont. — **Sample Air Volume:103.68L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Propionaldehyde	0.168	0.00162	0.0006821	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002894	<0.00005888	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.137	0.001321	0.0003751	IH10	6/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0530-19 (G060309-03 A) — **Sample Air Volume:152.16L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001972	<0.00003593	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.22	0.02773	0.01539	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0957	0.0006289	0.0003491	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.12	0.02708	0.01503	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	1.59	0.01045	0.004399	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001972	<0.00008598	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.708	0.004653	0.001072	IH11, IH10	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.02	0.006703	0.002273	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0628	0.0004127	0.0001399	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.954	0.00627	0.002126	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001972	<0.00006878	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.45	0.0161	0.01311	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0739	0.0004857	0.0003954	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.38	0.01564	0.01274	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.85	0.01216	0.002968	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001972	<0.00005597	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0419	0.0002754	0.00005604	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.193	0.001268	0.0002581	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.668	0.00439	0.001848	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0847	0.0005567	0.0001133	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.460	0.003023	0.0008582	IH10	6/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0530-20 (S060309-01 A) — **Sample Air Volume:118.56L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000253	<0.00004611	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.24	0.02733	0.01517	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.110	0.0009278	0.000515	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.13	0.0264	0.01465	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.602	0.005078	0.002138	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000253	<0.0001104	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.242	0.002041	0.0004703	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.726	0.006123	0.002076	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0985	0.0008308	0.0002817	IH10	6/12/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.628	0.005297	0.001796	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000253	<0.00008827	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.815	0.006874	0.005597	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0649	0.0005474	0.0004457	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.750	0.006326	0.00515	IH11	6/13/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF0530-20 (S060309-01 A) - cont. **Sample Air Volume:118.56L** **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hexaldehyde	1.15	0.0097	0.002368	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000253	<0.00007183	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0636	0.0005364	0.0001092	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.111	0.0009362	0.0001905	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.497	0.004192	0.001765	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0463	0.0003905	0.00007947	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.432	0.003644	0.001034	IH10	6/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0530-21 (S060309-02 A) **Sample Air Volume:227.04L** **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001321	<0.00002408	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.53	0.006739	0.00374	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0960	0.0004228	0.0002347	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.43	0.006298	0.003496	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.572	0.002519	0.001061	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001321	<0.00005763	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.277	0.00122	0.0002811	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.451	0.001986	0.0006735	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0608	0.0002678	0.0000908	IH10	6/12/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.390	0.001718	0.0005824	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001321	<0.00004609	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.627	0.002762	0.002248	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0697	0.000307	0.00025	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.557	0.002453	0.001997	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.718	0.003162	0.000772	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0710	0.0003127	0.00008877	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0455	0.0002004	0.00004078	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0978	0.0004308	0.00008766	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.270	0.001189	0.0005006	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0645	0.0002841	0.00005781	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.218	0.0009602	0.0002726	IH10	6/13/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF0530-22 (S060309-03 A) — **Sample Air Volume:237.60L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001263	<0.00002301	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.91	0.02066	0.01147	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.100	0.0004209	0.0002336	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.81	0.02024	0.01124	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	1.88	0.007912	0.003331	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001263	<0.00005506	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.420	0.001768	0.0004073	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.23	0.005177	0.001755	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0475	0.0001999	0.00006778	IH10	6/12/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.18	0.004966	0.001684	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001263	<0.00004405	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.65	0.006944	0.005654	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0757	0.0003186	0.0002594	IH11	6/12/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.57	0.006608	0.00538	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.63	0.00686	0.001675	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0730	0.0003072	0.00008722	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0397	0.0001671	0.000034	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.253	0.001065	0.0002167	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.719	0.003026	0.001274	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0838	0.0003527	0.00007177	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.479	0.002016	0.0005723	IH10	6/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0530-23 (W060309-01 A) — **Sample Air Volume:210.72L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001424	<0.00002594	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.57	0.01694	0.009404	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.132	0.0006264	0.0003477	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.44	0.01632	0.009061	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	1.15	0.005457	0.002297	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.366	0.001737	0.0007312	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.781	0.003706	0.00156	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001424	<0.00006209	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.433	0.002055	0.0004734	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.934	0.004432	0.001503	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.140	0.0006644	0.0002253	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.794	0.003768	0.001278	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001424	<0.00004966	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.01	0.004793	0.003902	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0688	0.0003265	0.0002658	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.945	0.004485	0.003651	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.61	0.00764	0.001865	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0874	0.0004148	0.0001177	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0677	0.0003213	0.00006538	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.115	0.0005457	0.0001111	IH10	6/13/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF0530-23 (W060309-01 A) - cont. — **Sample Air Volume:210.72L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Propionaldehyde	0.558	0.002648	0.001115	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0407	0.0001931	0.0000393	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.430	0.002041	0.0005793	IH10	6/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0530-24 (W060309-02 A) — **Sample Air Volume:229.92L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001305	<0.00002378	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.31	0.005698	0.003162	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.109	0.0004741	0.0002631	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.20	0.005219	0.002897	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.555	0.002414	0.001016	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001305	<0.0000569	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.273	0.001187	0.0002736	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.452	0.001966	0.0006666	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0882	0.0003836	0.0001301	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.364	0.001583	0.0005368	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001305	<0.00004552	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.552	0.002401	0.001955	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0688	0.0002992	0.0002436	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.483	0.002101	0.00171	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.727	0.003162	0.0007719	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001305	<0.00003704	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0508	0.0002209	0.00004496	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0890	0.0003871	0.00007877	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.221	0.0009612	0.0004046	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0589	0.0002562	0.00005213	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.191	0.0008307	0.0002358	IH10	6/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0530-25 (W060309-03 A) — **Sample Air Volume:197.76L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001517	<0.00002764	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.75	0.008849	0.004912	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0862	0.0004359	0.0002419	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.66	0.008394	0.004659	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	0.690	0.003489	0.001469	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001517	<0.00006616	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.466	0.002356	0.0005429	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.556	0.002811	0.0009533	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0476	0.0002407	0.00008161	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.508	0.002569	0.000871	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001517	<0.00005292	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.56	0.007888	0.006423	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0638	0.0003226	0.0002627	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.50	0.007585	0.006176	IH11	6/13/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF0530-25 (W060309-03 A) - cont. — **Sample Air Volume:197.76L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hexaldehyde	1.39	0.007029	0.001716	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001517	<0.00004306	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0445	0.000225	0.00004579	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.161	0.0008141	0.0001657	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.311	0.001573	0.000662	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0495	0.0002503	0.00005094	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.525	0.002655	0.0007536	IH10	6/13/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0530-26 (060309A- A) — **Sample Air Volume:L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.149	--	--	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0667	--	--	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0826	--	--	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Acetone	<0.300	--	--	IH10	6/13/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.0417	--	--	IH10, IH11	6/13/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.179	--	--	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0620	--	--	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.117	--	--	IH11	6/13/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	6/13/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	6/13/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	6/13/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	6/13/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	6/13/2009	zn	0.0300	EPA TO-11A

(e) = Analyte concentration > 10% of front result indicates possible breakthrough

Inorganic Acids by NIOSH 7903 (Modified)

Sample ID: PSF0530-01 (C060309-01 H) — **Sample Air Volume:142.56L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<1.79	<0.01256	<0.00842	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01445	<0.01766		6/16/2009	SS	2.06	NIOSH 7903 (MOD)

Sample ID: PSF0530-02 (C060309-02 H) — **Sample Air Volume:143.04L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<1.79	<0.01251	<0.008392	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0144	<0.0176		6/16/2009	SS	2.06	NIOSH 7903 (MOD)

Sample ID: PSF0530-03 (C060309-03 H) — **Sample Air Volume:142.08L** — **Sampled: 06/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<1.79	<0.0126	<0.008449	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)

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Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit	Method
Inorganic Acids by NIOSH 7903 (Modified) - cont.								
Sample ID: PSF0530-03 (C060309-03 H) - cont.				**Sample Air Volume:142.08L**			**Sampled: 06/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrofluoric Acid	<2.06	<0.0145	<0.01772		6/16/2009	SS	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0530-04 (G060309-01 H)				**Sample Air Volume:110.4L**			**Sampled: 06/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01621	<0.01087	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01866	<0.0228		6/16/2009	SS	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0530-05 (G060309-02 H)				**Sample Air Volume:105.6L**			**Sampled: 06/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01695	<0.01137	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01951	<0.02384		6/16/2009	SS	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0530-06 (G060309-03 H)				**Sample Air Volume:105.12L**			**Sampled: 06/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01703	<0.01142	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0196	<0.02394		6/16/2009	SS	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0530-07 (S060309-01 H)				**Sample Air Volume:141.60L**			**Sampled: 06/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01264	<0.008477	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01455	<0.01778		6/16/2009	SS	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0530-08 (S060309-02 H)				**Sample Air Volume:180.48L**			**Sampled: 06/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.009918	<0.006651	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01141	<0.01395		6/16/2009	SS	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0530-09 (S060309-03 H)				**Sample Air Volume:156.48L**			**Sampled: 06/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01144	<0.007671	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01316	<0.01609		6/16/2009	SS	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0530-10 (W060309-01 H)				**Sample Air Volume:151.68L**			**Sampled: 06/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.0118	<0.007914	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01358	<0.01659		6/16/2009	SS	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0530-11 (W060309-02 H)				**Sample Air Volume:153.12L**			**Sampled: 06/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01169	<0.007839	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01345	<0.01644		6/16/2009	SS	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0530-12 (W060309-03 H)				**Sample Air Volume:130.56L**			**Sampled: 06/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01371	<0.009194	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01578	<0.01928		6/16/2009	SS	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0530-13 (060309A-H)				**Sample Air Volume:L**			**Sampled: 06/03/09**	

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Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Inorganic Acids by NIOSH 7903 (Modified) - cont.								
Sample ID: PSF0530-13 (060309A-H) - cont.				**Sample Air Volume:L**				**Sampled: 06/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	--	--	N1	6/16/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	--	--		6/16/2009	SS	2.06	NIOSH 7903 (MOD)

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PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)						
P9F1219-BLK1						
Formaldehyde	0.1118		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Formaldehyde - Back	0.05298		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Acetaldehyde	0.08265		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Acetaldehyde - Back	0.06449		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Acrolein	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Acrolein - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Acetone	<0.300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Acetone - Back	<0.300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Propionaldehyde	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Crotonaldehyde	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Butyraldehyde	0.06401		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Benzaldehyde	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Benzaldehyde - Back	0.03663		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Isovaleraldehyde	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Valeraldehyde	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
o-Tolualdehyde	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
m-Tolualdehyde	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
p-Tolualdehyde	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Hexaldehyde	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9F1219	P9F1219-BLK1	06-12-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9F1306-BLK1						
Hydrochloric Acid	<1.79	N1	ug, Total	P9F1306	P9F1306-BLK1	06-14-2009
Hydrochloric Acid - Back	<1.79	N1	ug, Total	P9F1306	P9F1306-BLK1	06-14-2009
Hydrofluoric Acid	<2.06		ug, Total	P9F1306	P9F1306-BLK1	06-14-2009
Hydrofluoric Acid - Back	<2.06		ug, Total	P9F1306	P9F1306-BLK1	06-14-2009

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Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)						

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9F1219-DUP1									
Formaldehyde	0.8980	0.8997	IH11	ug, Total	0.189	10	P9F1219	PSF0530-14	06-13-2009
Acetaldehyde	2.250	2.244	IH11	ug, Total	0.267	10	P9F1219	PSF0530-14	06-13-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9F1219	PSF0530-14	06-13-2009
Acetone	0.4890	0.4906	IH10	ug, Total	0.327	10	P9F1219	PSF0530-14	06-13-2009
Propionaldehyde	0.4700	0.4683	IH10	ug, Total	0.362	10	P9F1219	PSF0530-14	06-13-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1219	PSF0530-14	06-13-2009
Butyraldehyde	0.5690	0.5667	IH11	ug, Total	0.405	10	P9F1219	PSF0530-14	06-13-2009
Benzaldehyde	0.3870	0.3765	IH10	ug, Total	2.75	10	P9F1219	PSF0530-14	06-13-2009
Isovaleraldehyde	0.1000	0.08696	IH10	ug, Total	13.9	10	P9F1219	PSF0530-14	06-13-2009
Valeraldehyde	0.4450	0.4194	IH10	ug, Total	5.92	10	P9F1219	PSF0530-14	06-13-2009
o-Tolualdehyde	0.1420	0.1280	IH10	ug, Total	10.4	10	P9F1219	PSF0530-14	06-13-2009
m-Tolualdehyde	0.07710	0.06727	IH10	ug, Total	13.6	10	P9F1219	PSF0530-14	06-13-2009
p-Tolualdehyde	0.08170	0.06844	IH10	ug, Total	17.7	10	P9F1219	PSF0530-14	06-13-2009
Hexaldehyde	1.410	1.356	IH10	ug, Total	3.9	10	P9F1219	PSF0530-14	06-13-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1219	PSF0530-14	06-13-2009
P9F1219-DUP2									
Formaldehyde	0.4830	0.4820	IH11	ug, Total	0.207	10	P9F1219	PSF0530-24	06-13-2009
Acetaldehyde	1.200	1.189	IH11	ug, Total	0.921	10	P9F1219	PSF0530-24	06-13-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9F1219	PSF0530-24	06-13-2009
Acetone	0.5550	0.5533	IH10	ug, Total	0.307	10	P9F1219	PSF0530-24	06-13-2009
Propionaldehyde	0.2210	0.2188	IH10	ug, Total	1	10	P9F1219	PSF0530-24	06-13-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1219	PSF0530-24	06-13-2009
Butyraldehyde	0.3640	0.3697	IH11	ug, Total	1.55	10	P9F1219	PSF0530-24	06-13-2009
Benzaldehyde	0.2730	0.2634	IH10	ug, Total	3.58	10	P9F1219	PSF0530-24	06-13-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1219	PSF0530-24	06-13-2009
Valeraldehyde	0.1910	0.1992	IH10	ug, Total	4.2	10	P9F1219	PSF0530-24	06-13-2009
o-Tolualdehyde	0.08900	0.08284	IH10	ug, Total	7.17	10	P9F1219	PSF0530-24	06-13-2009
m-Tolualdehyde	0.05080	0.05507	IH10	ug, Total	8.07	10	P9F1219	PSF0530-24	06-13-2009
p-Tolualdehyde	0.05890	0.05270	IH10	ug, Total	11.1	10	P9F1219	PSF0530-24	06-13-2009
Hexaldehyde	0.7270	0.7334	IH10	ug, Total	0.876	10	P9F1219	PSF0530-24	06-13-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1219	PSF0530-24	06-13-2009

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0530 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/09/09 Reported: 06/24/09 16:17	

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9F1219-BS1								
Formaldehyde	0.45	0.5407	IH11	ug, Total	120%	22-134	P9F1219	06-12-2009
Acetaldehyde	0.45	0.5175	IH11	ug, Total	115%	51-142	P9F1219	06-12-2009
Acrolein	0.45	0.2195	IH10, L2	ug, Total	49%	75-125	P9F1219	06-12-2009
Acetone	0.45	0.6410	IH10, IH5	ug, Total	142%	75-125	P9F1219	06-12-2009
Propionaldehyde	0.45	0.7523	IH10, L1	ug, Total	167%	67-145	P9F1219	06-12-2009
Crotonaldehyde	0.45	0.3902	IH10	ug, Total	87%	66-146	P9F1219	06-12-2009
Butyraldehyde	0.45	0.5051	IH11	ug, Total	112%	56-141	P9F1219	06-12-2009
Benzaldehyde	0.45	0.4711	IH10	ug, Total	105%	57-142	P9F1219	06-12-2009
Isovaleraldehyde	0.45	0.4611	IH10	ug, Total	102%	66-144	P9F1219	06-12-2009
Valeraldehyde	0.45	0.4773	IH10	ug, Total	106%	66-144	P9F1219	06-12-2009
o-Tolualdehyde	0.45	0.4844	IH10	ug, Total	108%	39-130	P9F1219	06-12-2009
m-Tolualdehyde	0.45	0.4532	IH10	ug, Total	101%	73-143	P9F1219	06-12-2009
p-Tolualdehyde	0.45	0.4290	IH10	ug, Total	95%	66-147	P9F1219	06-12-2009
Hexaldehyde	0.45	0.4840	IH10	ug, Total	108%	65-145	P9F1219	06-12-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4426	IH10	ug, Total	98%	75-144	P9F1219	06-12-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9F1306-BS1								
Hydrochloric Acid	10.3	8.417	N1	ug, Total	82%	70-130	P9F1306	06-14-2009
Hydrofluoric Acid	10.5	9.574		ug, Total	91%	70-130	P9F1306	06-14-2009

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)												
P9F1219-BSD1												
Formaldehyde		0.5475	IH11	ug, Total	0.45	122%	22-134	1.25	20	P9F1219		06-12-2009
Acetaldehyde		0.5211	IH11	ug, Total	0.45	116%	51-142	0.693	20	P9F1219		06-12-2009
Acrolein		0.2228	IH10, L2	ug, Total	0.45	50%	75-125	1.49	20	P9F1219		06-12-2009
Acetone		0.6334	IH10,	ug, Total	0.45	141%	75-125	1.19	20	P9F1219		06-12-2009
Propionaldehyde		0.7710	IH10, L1	ug, Total	0.45	171%	67-145	2.46	20	P9F1219		06-12-2009
Crotonaldehyde		0.3962	IH10	ug, Total	0.45	88%	66-146	1.53	20	P9F1219		06-12-2009
Butyraldehyde		0.5029	IH11	ug, Total	0.45	112%	56-141	0.437	20	P9F1219		06-12-2009
Benzaldehyde		0.4612	IH10	ug, Total	0.45	102%	57-142	2.12	20	P9F1219		06-12-2009
Isovaleraldehyde		0.4680	IH10	ug, Total	0.45	104%	66-144	1.49	20	P9F1219		06-12-2009
Valeraldehyde		0.4842	IH10	ug, Total	0.45	108%	66-144	1.44	20	P9F1219		06-12-2009
o-Tolualdehyde		0.4929	IH10	ug, Total	0.45	110%	39-130	1.74	20	P9F1219		06-12-2009
m-Tolualdehyde		0.4554	IH10	ug, Total	0.45	101%	73-143	0.484	20	P9F1219		06-12-2009
p-Tolualdehyde		0.4386	IH10	ug, Total	0.45	98%	66-147	2.21	20	P9F1219		06-12-2009
Hexaldehyde		0.4855	IH10	ug, Total	0.45	108%	65-145	0.309	20	P9F1219		06-12-2009
2,5-Dimethyl Benzaldehyde		0.4476	IH10	ug, Total	0.45	100%	75-144	1.12	20	P9F1219		06-12-2009
Inorganic Acids by NIOSH 7903 (Modified)												

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LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)												
P9F1306-BSD1												
Hydrochloric Acid		8.073	N1	ug, Total	10.3	78%	70-130	4.17	30	P9F1306		06-14-2009
Hydrofluoric Acid		9.264		ug, Total	10.5	88%	70-130	3.29	30	P9F1306		06-14-2009

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0530 Project: Countywide - Ambient Air Project Number: 07-0082/Countywide	Received: 06/09/09 Reported: 06/24/09 16:17	

CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6001, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7600, NIOSH 7903, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

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DATA QUALIFIERS AND DEFINITIONS

IH10 Target analyte was not detected in the method blank at or above the reporting limit. The QC samples and client sample(s) were not blank corrected.

IH11 Target analyte was detected in the method blank at or above the reporting limit. The background was not subtracted from the QC samples or the client's sample(s).

IH5 The associated blank media spike recovery was above laboratory acceptance limits, because of background interference present in the media or solvent that was below the reporting limit, but high enough to have an effect on the recovery of the spikes.

L1 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.

L2 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.

N1 See case narrative.

ADDITIONAL COMMENTS

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #26

July 13, 2009

APPENDIX D. Laboratory Analytical Results from Event #125:
Sampling conducted Tuesday, June 9 to Wednesday, June 10

Test America Laboratories-Knoxville: EPA Method TO-15M
Test America Laboratories-Phoenix: EPA Method TO-11A, NIOSH 7903

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Countywide

Lot #: H9F120153

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

June 22, 2009

ANALYTICAL METHODS SUMMARY

H9F120153

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

H9F120153

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LER3R	001	SU-C060909	06/09/09	
LER3W	002	SU-G060909	06/09/09	
LER30	003	SU-S060909	06/09/09	
LER32	004	SU-W060909	06/09/09	
LER35	005	SU-COG060909	06/09/09	

NOTE(S):

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

PROJECT NARRATIVE
H9F120153

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

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

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

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

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

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

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

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-C060909

GC/MS Volatiles

Lot-Sample # H9F120153 - 001 Work Order # LER3R1AA Matrix.....: AIR

Date Sampled...: 06/09/2009 Date Received..: 06/12/2009
Prep Date.....: 06/15/2009 Analysis Date... 06/15/2009
Prep Batch #.....: 9167102
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**15**	**5.0**	**37**		**12**
Ethylbenzene	**0.088**	**0.20**	**0.38**	**J**	**0.87**
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.37**	**0.50**	**1.5**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.34**	**0.50**	**1.2**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.065**	**0.50**	**0.30**	**J**	**2.3**
tert-Butyl alcohol	**0.21**	**2.0**	**0.64**	**J**	**6.1**
Methylene chloride	**0.22**	**0.50**	**0.75**	**J B**	**1.7**
Benzene	**0.29**	**0.20**	**0.92**		**0.64**
Styrene	**0.080**	**0.20**	**0.34**	**J**	**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	**1.9**	**0.20**	**7.1**		**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	**0.068**	**0.20**	**0.52**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.20**	**0.20**	**1.0**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.090**	**0.20**	**0.39**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.26**	**0.20**	**1.1**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.9**	**1.0**	**5.5**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.11**	**0.50**	**0.46**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	**0.039**	**0.20**	**0.15**	**J**	**0.78**
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.052**	**0.50**	**0.16**	**J**	**1.6**
Carbon tetrachloride	**0.096**	**0.20**	**0.60**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C060909

GC/MS Volatiles

Lot-Sample # H9F120153 - 001 **Work Order #** LER3R1AA **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	**0.059**	**0.20**	**0.16**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.54**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.069**	**0.50**	**0.24**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.44**	**0.20**	**2.2**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	110	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-G060909

GC/MS Volatiles

Lot-Sample #	H9F120153 - 002	Work Order #	LER3W1AA	Matrix.....:	AIR

Date Sampled...:	06/09/2009	Date Received..:	06/12/2009
Prep Date.....:	06/15/2009	Analysis Date...	06/15/2009
Prep Batch #.....:	9167102		
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	**19**	**5.0**	**44**		**12**
Ethylbenzene	**0.089**	**0.20**	**0.38**	**J**	**0.87**
Trichlorofluoromethane	**0.38**	**0.20**	**2.1**		**1.1**
n-Heptane	**0.41**	**0.50**	**1.7**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.55**	**0.50**	**2.0**		**1.8**
2,2,4-Trimethylpentane	**0.078**	**0.50**	**0.36**	**J**	**2.3**
tert-Butyl alcohol	**0.17**	**2.0**	**0.53**	**J**	**6.1**
Methylene chloride	**0.99**	**0.50**	**3.4**	**B**	**1.7**
Benzene	**0.35**	**0.20**	**1.1**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.58**	**0.20**	**2.2**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.071**	**0.20**	**0.55**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.10**	**0.20**	**0.49**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.082**	**0.20**	**0.36**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.24**	**0.20**	**1.1**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.6**	**1.0**	**7.7**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.12**	**0.50**	**0.50**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.086**	**0.20**	**0.54**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G060909

GC/MS Volatiles

Lot-Sample # H9F120153 - 002 Work Order # LER3W1AA 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	**0.049**	**0.20**	**0.13**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.52**	**0.50**	**1.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.11**	**0.50**	**0.38**	**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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	109	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-S060909

GC/MS Volatiles

Lot-Sample # H9F120153 - 003 Work Order # LER301AA Matrix.....: AIR

Date Sampled...: 06/09/2009 Date Received..: 06/12/2009
Prep Date.....: 06/15/2009 Analysis Date... 06/15/2009
Prep Batch #.....: 9167102
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	18	5.0	44		12
Ethylbenzene	0.094	0.20	0.41	J	0.87
Trichlorofluoromethane	0.34	0.20	1.9		1.1
n-Heptane	0.40	0.50	1.6	J	2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	0.55	0.50	2.0		1.8
2,2,4-Trimethylpentane	0.10	0.50	0.48	J	2.3
tert-Butyl alcohol	0.21	2.0	0.64	J	6.1
Methylene chloride	0.88	0.50	3.1	B	1.7
Benzene	0.37	0.20	1.2		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	0.082	1.0	0.24	J	2.9
Toluene	0.77	0.20	2.9		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	0.061	0.20	0.33	J	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.074	0.20	0.57	J	1.5
1,2,4-Trimethylbenzene	0.080	0.20	0.39	J	0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	0.11	0.20	0.49	J	0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	0.24	0.20	1.1		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	2.4	1.0	7.1		2.9
4-Methyl-2-pentanone (MIBK)	0.11	0.50	0.45	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	0.073	0.50	0.23	J	1.6
Carbon tetrachloride	0.085	0.20	0.53	J	1.3

Lawhon & Associates, Inc.

Client Sample ID: SU-S060909

GC/MS Volatiles

Lot-Sample # H9F120153 - 003 Work Order # LER301AA 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	**0.046**	**0.20**	**0.12**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.61**	**0.50**	**1.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.098**	**0.50**	**0.34**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.50**	**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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	110	70 - 130

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-W060909

GC/MS Volatiles

Lot-Sample #	H9F120153 - 004	Work Order #	LER321AA	Matrix.....:	AIR

Date Sampled...:	06/09/2009	Date Received..:	06/12/2009
Prep Date.....:	06/15/2009	Analysis Date...	06/15/2009
Prep Batch #.....:	9167102		
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	**20**	**5.0**	**48**		**12**
Ethylbenzene	**0.25**	**0.20**	**1.1**		**0.87**
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.93**	**0.50**	**3.8**		**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.82**	**0.50**	**2.9**		**1.8**
2,2,4-Trimethylpentane	**0.21**	**0.50**	**0.98**	**J**	**2.3**
tert-Butyl alcohol	**0.30**	**2.0**	**0.91**	**J**	**6.1**
Methylene chloride	**0.22**	**0.50**	**0.76**	**J B**	**1.7**
Benzene	**0.42**	**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	**0.23**	**0.20**	**1.5**		**1.4**
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**1.9**	**0.20**	**7.2**		**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	**0.072**	**0.20**	**0.55**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.19**	**0.20**	**0.92**	**J**	**0.98**
1,3,5-Trimethylbenzene	**0.073**	**0.20**	**0.36**	**J**	**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.19**	**0.20**	**0.83**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**1.0**	**0.20**	**4.5**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**3.2**	**1.0**	**9.4**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.17**	**0.50**	**0.70**	**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	**0.13**	**0.40**	**0.63**	**J**	**2.0**
Carbon disulfide	**0.058**	**0.50**	**0.18**	**J**	**1.6**
Carbon tetrachloride	**0.095**	**0.20**	**0.59**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W060909

GC/MS Volatiles

Lot-Sample # H9F120153 - 004 Work Order # LER321AA 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	**0.087**	**0.20**	**0.23**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.67**	**0.50**	**1.4**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.20**	**0.50**	**0.70**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.48**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-COG060909

GC/MS Volatiles

Lot-Sample # H9F120153 - 005 Work Order # LER351AA Matrix.....: AIR

Date Sampled...: 06/09/2009 Date Received..: 06/12/2009
Prep Date.....: 06/15/2009 Analysis Date... 06/15/2009
Prep Batch #.....: 9167102
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.5**	**5.0**	**15**		**12**
Ethylbenzene	**0.085**	**0.20**	**0.37**	**J**	**0.87**
Trichlorofluoromethane	**0.24**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.26**	**0.50**	**1.1**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.36**	**0.50**	**1.3**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.061**	**0.50**	**0.28**	**J**	**2.3**
tert-Butyl alcohol	**0.077**	**2.0**	**0.23**	**J**	**6.1**
Methylene chloride	**0.18**	**0.50**	**0.62**	**J B**	**1.7**
Benzene	**0.28**	**0.20**	**0.88**		**0.64**
Styrene	**0.066**	**0.20**	**0.28**	**J**	**0.85**
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.053**	**0.20**	**0.36**	**J**	**1.4**
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.63**	**0.20**	**2.4**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.070**	**0.20**	**0.53**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.40**	**0.20**	**2.0**		**0.98**
1,3,5-Trimethylbenzene	**0.094**	**0.20**	**0.46**	**J**	**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.11**	**0.20**	**0.46**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.29**	**0.20**	**1.2**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.74**	**1.0**	**2.2**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.057**	**0.50**	**0.24**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.085**	**0.20**	**0.53**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COG060909

GC/MS Volatiles

Lot-Sample # H9F120153 - 005 Work Order # LER351AA 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	**0.60**	**0.50**	**1.2**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.094**	**0.50**	**0.32**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.45**	**0.20**	**2.2**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

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

Qualifiers

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

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

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

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9F160000 - 102B	**Work Order #**	LE04P1AA	**Matrix.....:**	AIR
	06/09/2009	**Date Received..:**	06/12/2009		
Prep Date.....:	06/15/2009	**Analysis Date...**	06/15/2009		
Prep Batch #.....:	9167102				
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	**0.12**	**0.50**	**0.41**	**J**	**1.7**
Benzene	ND	0.20	ND		0.64
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	ND	0.20	ND		0.75
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND		1.5
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	ND	1.0	ND		2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9F160000 - 102B Work Order # LE04P1AA 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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	101	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9F160000 - 102C **Work Order #** LE04P1AC **Matrix.....:** AIR

	06/09/2009	**Date Received..:**	06/12/2009
Prep Date.....:	06/15/2009	**Analysis Date...**	06/15/2009
Prep Batch #.....:	9167102		
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
trans-1,3-Dichloropropene	12.5	11.3	57	51	91	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	12.5	12.5	87	88	100	60 - 140
Acetone	12.5	10.8	30	26	86	60 - 140
Ethylbenzene	12.5	11.6	54	51	93	70 - 130
Trichlorofluoromethane	12.5	12.8	70	72	102	60 - 140
n-Heptane	12.5	10.2	51	42	82	70 - 130
Hexachlorobutadiene	12.5	10.9	130	120	87	60 - 140
n-Hexane	12.5	12.2	44	43	97	70 - 130
2,2,4-Trimethylpentane	12.5	10.6	58	50	85	70 - 130
tert-Butyl alcohol	12.5	11.9	38	36	95	60 - 140
Methylene chloride	12.5	10.9	43	38	87	70 - 130
Benzene	12.5	12.2	40	39	97	70 - 130
Styrene	12.5	13.6	53	58	109	70 - 130
1,1,2,2-Tetrachloroethane	12.5	12.4	86	85	99	70 - 130
Tetrachloroethene	12.5	11.8	85	80	95	70 - 130
Tetrahydrofuran	12.5	11.1	37	33	89	70 - 130
Toluene	12.5	10.9	47	41	88	70 - 130
1,2,4-Trichlorobenzene	12.5	14.4	93	110	115	60 - 140
1,1,1-Trichloroethane	12.5	11.9	68	65	95	70 - 130
1,1,2-Trichloroethane	12.5	11.2	68	61	90	70 - 130
Trichloroethene	12.5	10.9	67	59	88	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	12.5	12.7	96	97	101	70 - 130
1,2,4-Trimethylbenzene	12.5	12.7	61	62	102	70 - 130
1,3,5-Trimethylbenzene	12.5	12.5	61	62	100	70 - 130
Vinyl chloride	12.5	11.2	32	29	90	70 - 130
o-Xylene	12.5	11.6	54	50	92	70 - 130
Methyl tert-butyl ether	12.5	11.3	45	41	90	60 - 140
m-Xylene & p-Xylene	25.0	23.9	110	100	96	70 - 130
Bromodichloromethane	12.5	12.1	84	81	97	70 - 130
1,2-Dibromoethane (EDB)	12.5	10.9	96	84	87	70 - 130
2-Butanone (MEK)	12.5	11.7	37	34	94	60 - 140
4-Methyl-2-pentanone (MIBK)	12.5	11.4	51	47	91	60 - 140
Vinyl bromide	12.5	12.2	55	53	97	60 - 140
Bromoform	12.5	14.0	130	140	112	70 - 130
Bromomethane	12.5	12.0	49	46	96	70 - 130
1,3-Butadiene	12.5	11.6	28	26	93	60 - 140
4-Ethyltoluene	12.5	13.0	61	64	104	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9F160000 - 102C Work Order # LE04P1AC Matrix.....: AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Carbon disulfide	12.5	12.3	39	38	98	70 - 130
Carbon tetrachloride	12.5	12.5	79	78	100	70 - 130
Chlorobenzene	12.5	10.7	58	49	85	70 - 130
Dibromochloromethane	12.5	12.6	110	110	100	70 - 130
Chloroethane	12.5	11.5	33	30	92	70 - 130
Chloroform	12.5	11.4	61	56	91	70 - 130
Chloromethane	12.5	11.1	26	23	89	60 - 140
3-Chloropropene	12.5	13.0	39	41	104	70 - 130
2-Chlorotoluene	12.5	11.8	65	61	95	70 - 130
Cyclohexane	12.5	11.4	43	39	91	70 - 130
1,2-Dichlorobenzene	12.5	13.2	75	79	106	70 - 130
1,3-Dichlorobenzene	12.5	13.2	75	79	105	70 - 130
1,4-Dichlorobenzene	12.5	13.5	75	81	108	70 - 130
Dichlorodifluoromethane	12.5	12.5	62	62	100	60 - 140
1,1-Dichloroethane	12.5	12.3	51	50	98	70 - 130
1,2-Dichloroethane	12.5	12.6	51	51	100	70 - 130
1,1-Dichloroethene	12.5	12.0	50	48	96	70 - 130
cis-1,2-Dichloroethene	12.5	11.9	50	47	95	70 - 130
trans-1,2-Dichloroethene	12.5	12.2	50	48	98	70 - 130
1,2-Dichloropropane	12.5	12.0	58	55	96	70 - 130
cis-1,3-Dichloropropene	12.5	12.2	57	55	97	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	111	60 - 140

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

149F120153

№ 5144

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

~~929~~ 175 Eastwind Drive, Suite ~~211~~ 190
Westerville, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

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~~Cleveland, OH 44113~~
~~Phone (216) 787-0100~~
~~Fax (216) 787-0109~~

~~10901 Reed Hartman Hwy., Ste. 201~~
~~Cincinnati, OH 45242~~
~~Phone (513) 936-0250 Fax (513) 936-9286~~

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7115
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansloro

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

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

As Received by Lab:

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Nick Iannuzzi, Rick Jones

Signature:

Sample I.D. No.	Type	Comp	Grab	Date	Time Min	Sample Location	Number of Containers	Turn Around/Requirements	Method 7015	Analysis VOC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C060909				6/9/09	1440	Cell Tower	1			X			1353N
SU-G060909				6/9/09	1440	Campground	1			X			6635
SU-S060909				6/9/09	1440	School	1			X			1365
SU-W060909				6/9/09	1440	Wetland	1			X			11146
SU-COG060909				6/9/09	1440	Co-Located Campground	1			X			92070

custody seal intact
rec. at ambient temp.
1 box
Fed ex # 8694 2482 7115
6 cans | 6 flows
DY 6/12/09

Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
	6/11/09 15:00						
	6/11/09 0800		6/12/09 10:00				

Comments:

Distribution: White - File; Yellow - Lab

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

H9F120153

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: Nick Iannaggi and Rick Jones

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C060909	6/9/09	15:00	15:00	-29.0	-5.5	K184	1353N	X											
SU-G060909	↓	↓	↓	-29.0	-5.5	K279	6635	X											
SU-S060909	↓	↓	↓	-29.0	-5.5	K111	1365	X											
SU-W060909	↓	↓	↓	-29.5	-3.0	K373	11146	X											
SU-COG060909	↓	↓	↓	-29.0	-5.5	K441	92070	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (Inches of Hg)	Interior	Ambient
Start		
Stop		

Special Instructions/QC Requirements & Comments:

Return can #11352, did not use

Canisters Shipped by:	Date/Time: 6/11/09 15:00	Canisters Received by:
Samples Relinquished by:	Date/Time: 6/11/09 0800	Received by: 6/12/09 10:00
Relinquished by:	Date/Time:	Received by:

TestAmerica
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4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

June 26, 2009

LABORATORY REPORT

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

Work Order: PSF0787
Project Name: Countywide - Ambient Air
Project Number: Countywide / 07-0082
Date Received: 06/12/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 19.4°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

N-1 = Sample PSF0787-08: The front and back sections of the tube were inadvertently combined into one extraction vessel. The result as reported is the result of the extraction of both sections combined.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

Denise Harrington
Project Manager

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

Work Order: PSF0787
Project: Countywide - Ambient Air
Project Number: Countywide / 07-0082

Received: 06/12/09
Reported: 06/26/09 09:53

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C060909-01H	PSF0787-01	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
C060909-02H	PSF0787-02	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
C060909-03H	PSF0787-03	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
S060909-01H	PSF0787-04	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
S060909-02H	PSF0787-05	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
S060909-03H	PSF0787-06	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
W060909-01H	PSF0787-07	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
W060909-02H	PSF0787-08	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
W060909-03H	PSF0787-09	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
060909A-H	PSF0787-10	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
G060909-01H	PSF0787-11	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
G060909-02H	PSF0787-12	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
G060909-03H	PSF0787-13	06/09/09	Silica Gel tube, 200/400 mg Specially cleaned
C060909-01A	PSF0787-14	06/09/09	DNPH Silica Gel Tube, 450 mg
C060909-02A	PSF0787-15	06/09/09	DNPH Silica Gel Tube, 450 mg
C060909-03A	PSF0787-16	06/09/09	DNPH Silica Gel Tube, 450 mg
S060909-01A	PSF0787-17	06/09/09	DNPH Silica Gel Tube, 450 mg
S060909-02A	PSF0787-18	06/09/09	DNPH Silica Gel Tube, 450 mg
S060909-03A	PSF0787-19	06/09/09	DNPH Silica Gel Tube, 450 mg
W060909-01A	PSF0787-20	06/09/09	DNPH Silica Gel Tube, 450 mg
W060909-02A	PSF0787-21	06/09/09	DNPH Silica Gel Tube, 450 mg
W060909-03A	PSF0787-22	06/09/09	DNPH Silica Gel Tube, 450 mg
060909A-A	PSF0787-23	06/09/09	DNPH Silica Gel Tube, 450 mg
G060909-01A	PSF0787-24	06/09/09	DNPH Silica Gel Tube, 450 mg
G060909-02A	PSF0787-25	06/09/09	DNPH Silica Gel Tube, 450 mg
G060909-03A	PSF0787-26	06/09/09	DNPH Silica Gel Tube, 450 mg

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0787 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 06/12/09 Reported: 06/26/09 09:53	

ANALYTICAL REPORT

Aldehydes and Ketones by EPA TO-11A (Modified)

Sample ID: PSF0787-14 (C060909-01A) **Tube** **Sample Air Volume:251.52L** **Sampled: 06/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001193	<0.00002173	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.14	0.02441	0.01355	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.202	0.0008031	0.0004458	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.94	0.02362	0.01311	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	2.60	0.01034	0.004352	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.943	0.003749	0.001578	IH10	6/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.66	0.0066	0.002778	IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001193	<0.00005202	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.727	0.00289	0.000666	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.91	0.007594	0.002575	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.184	0.0007316	0.000248	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.73	0.006878	0.002332	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001193	<0.00004161	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.48	0.01384	0.01126	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0718	0.0002855	0.0002324	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.41	0.01356	0.01104	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.89	0.01149	0.002805	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001193	<0.00003386	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001193	<0.00002427	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.378	0.001503	0.0003058	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.06	0.004214	0.001774	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0330	0.0001312	0.00005523	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.03	0.004095	0.001724	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001193	<0.00002427	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.878	0.003491	0.0009909	IH10	6/16/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0787-15 (C060909-02A) **Tube** **Sample Air Volume:195.84L** **Sampled: 06/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001532	<0.00002791	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.82	0.009293	0.005158	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.162	0.0008272	0.0004591	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.66	0.008476	0.004705	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	0.500	0.002553	0.001075	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	0.0742	0.0003789	0.0001652	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.321	0.001639	0.0003776	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.454	0.002318	0.000786	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0578	0.0002951	0.0001001	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.396	0.002022	0.0006856	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001532	<0.00005344	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.26	0.006434	0.005238	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0704	0.0003595	0.0002927	IH11	6/16/2009	zn	0.0300	EPA TO-11A

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF0787 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 06/12/09 Reported: 06/26/09 09:53	

Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0787-15 (C060909-02A) - cont.	**Tube**		**Sample Air Volume:195.84L**				**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Formaldehyde - Front	1.19	0.006076	0.004947	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.979	0.004999	0.00122	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.104	0.000531	0.0001507	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0448	0.0002288	0.00004655	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.216	0.001103	0.0002244	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.400	0.002042	0.0008598	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0343	0.0001751	0.00007373	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.366	0.001869	0.0007867	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.104	0.000531	0.0001081	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.315	0.001608	0.0004566	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0787-16 (C060909-03A)	**Tube**		**Sample Air Volume:249.12L**				**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001204	<0.00002194	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.42	0.01373	0.00762	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.127	0.0005098	0.000283	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.29	0.01321	0.00733	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	1.70	0.006824	0.002873	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.445	0.001786	0.000752	IH10	6/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.25	0.005018	0.002112	IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001204	<0.00005252	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.437	0.001754	0.0004042	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.935	0.003753	0.001273	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0967	0.0003882	0.0001316	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.838	0.003364	0.001141	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001204	<0.00004201	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.91	0.007667	0.006242	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0693	0.0002782	0.0002265	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.84	0.007386	0.006014	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.40	0.00562	0.001372	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0656	0.0002633	0.00007475	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001204	<0.00002451	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.282	0.001132	0.0002304	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.601	0.002412	0.001016	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001204	<0.00002451	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.451	0.00181	0.0005139	IH10	6/16/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF0787-17 (S060909-01A) **Tube** **Sample Air Volume:122.88L** **Sampled: 06/09/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002441	<0.00004449	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.12	0.04167	0.02313	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.127	0.001034	0.0005737	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.99	0.04061	0.02254	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	2.30	0.01872	0.00788	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.436	0.003548	0.001494	IH10	6/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.86	0.01514	0.006372	IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002441	<0.0001065	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.683	0.005558	0.001281	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.60	0.01302	0.004415	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0660	0.0005371	0.0001821	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.53	0.01245	0.004222	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002441	<0.00008517	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.43	0.01978	0.0161	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0809	0.0006584	0.000536	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.35	0.01912	0.01557	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.32	0.01888	0.004609	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.120	0.0009766	0.0002772	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0939	0.0007642	0.0001555	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.262	0.002132	0.0004339	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.845	0.006877	0.002895	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002441	<0.00004968	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.605	0.004924	0.001398	IH10	6/16/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0787-18 (S060909-02A) **Tube** **Sample Air Volume:259.68L** **Sampled: 06/09/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001155	<0.00002105	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.71	0.006585	0.003655	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.124	0.0004775	0.000265	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.59	0.006123	0.003399	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	0.534	0.002056	0.0008657	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001155	<0.00005038	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.363	0.001398	0.0003221	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.456	0.001756	0.0005954	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0527	0.0002029	0.00006881	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.403	0.001552	0.0005262	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001155	<0.0000403	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.13	0.004352	0.003543	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0684	0.0002634	0.0002145	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.06	0.004082	0.003323	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.978	0.003766	0.0009194	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.109	0.0004197	0.0001192	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0562	0.0002164	0.00004404	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.193	0.0007432	0.0001512	IH10	6/16/2009	zn	0.0300	EPA TO-11A

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Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified) - cont.								
Sample ID: PSF0787-18 (S060909-02A) - cont.	**Tube**		**Sample Air Volume:259.68L**				**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Propionaldehyde	0.355	0.001367	0.0005755	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0978	0.0003766	0.00007664	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.269	0.001036	0.0002941	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0787-19 (S060909-03A)	**Tube**		**Sample Air Volume:273.6L**				**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001096	<0.00001998	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.44	0.01257	0.006979	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.136	0.0004971	0.0002759	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.30	0.01206	0.006695	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	1.42	0.00519	0.002185	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.302	0.001104	0.0004647	IH10	6/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.12	0.004094	0.001723	IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001096	<0.00004782	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.518	0.001893	0.0004362	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.901	0.003293	0.001117	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0839	0.0003067	0.000104	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.817	0.002986	0.001012	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001096	<0.00003825	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.90	0.006944	0.005654	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0586	0.0002142	0.0001744	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.84	0.006725	0.005476	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.50	0.005482	0.001338	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.134	0.0004898	0.000139	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0461	0.0001685	0.00003429	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.288	0.001053	0.0002142	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.616	0.002251	0.0009478	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.114	0.0004167	0.00008479	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.416	0.00152	0.0004316	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0787-20 (W060909-01A)	**Tube**		**Sample Air Volume:245.28L**				**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001223	<0.00002229	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.85	0.02793	0.0155	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.279	0.001137	0.0006314	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	6.57	0.02679	0.01487	IH11	6/16/2009	zn	0.300	EPA TO-11A
Acetone	2.30	0.009377	0.003947	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.877	0.003576	0.001505	IH10	6/15/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.42	0.005789	0.002437	IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001223	<0.00005334	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.782	0.003188	0.0007346	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.81	0.007379	0.002502	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.237	0.0009662	0.0003276	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.57	0.006401	0.00217	IH11	6/16/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0787-20 (W060909-01A) - cont.	**Tube**		**Sample Air Volume:245.28L**				**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Crotonaldehyde	<0.0300	<0.0001223	<0.00004267	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.32	0.01354	0.01102	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0740	0.0003017	0.0002456	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.25	0.01325	0.01079	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	3.34	0.01362	0.003324	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001223	<0.00003472	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001223	<0.00002489	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.300	0.001223	0.0002489	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.03	0.004199	0.001768	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0421	0.0001716	0.00007226	IH10	6/15/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.984	0.004012	0.001689	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001223	<0.00002489	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.896	0.003653	0.001037	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0787-21 (W060909-02A)	**Tube**		**Sample Air Volume:256.32L**				**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.000117	<0.00002133	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.50	0.005852	0.003248	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.131	0.0005111	0.0002837	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.37	0.005345	0.002967	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	0.509	0.001986	0.000836	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000117	<0.00005104	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.299	0.001167	0.0002688	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.402	0.001568	0.0005318	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0545	0.0002126	0.00007209	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.347	0.001354	0.000459	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.000117	<0.00004083	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.802	0.003129	0.002548	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0605	0.000236	0.0001922	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.742	0.002895	0.002357	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.858	0.003347	0.0008171	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0682	0.0002661	0.00007553	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0462	0.0001802	0.00003668	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.111	0.0004331	0.00008812	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.263	0.001026	0.0004319	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000117	<0.00002382	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.245	0.0009558	0.0002713	IH10	6/16/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF0787-22 (W060909-03A) **Tube** **Sample Air Volume:229.92L** **Sampled: 06/09/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001305	<0.00002378	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.50	0.01522	0.008449	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.151	0.0006568	0.0003645	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.35	0.01457	0.008087	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	1.34	0.005828	0.002453	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.301	0.001309	0.0005511	IH10	6/15/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.04	0.004523	0.001904	IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001305	<0.0000569	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.488	0.002122	0.000489	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.860	0.00374	0.001268	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0888	0.0003862	0.000131	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.771	0.003353	0.001137	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001305	<0.00004552	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.70	0.007394	0.00602	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0649	0.0002823	0.0002298	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.64	0.007133	0.005808	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.42	0.006176	0.001508	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0849	0.0003693	0.0001048	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0399	0.0001735	0.00003531	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.259	0.001126	0.0002292	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.557	0.002423	0.00102	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0973	0.0004232	0.00008612	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.432	0.001879	0.0005334	IH10	6/16/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0787-23 (060909A-A) **Tube** **Sample Air Volume:L** **Sampled: 06/09/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.157	--	--	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0674	--	--	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0899	--	--	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	0.555	--	--	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.144	--	--	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0371	--	--	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.107	--	--	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.165	--	--	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0584	--	--	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.107	--	--	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0342	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0787-23 (060909A-A) - cont.	**Tube**		**Sample Air Volume:L**				**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Propionaldehyde	<0.0300	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0787-24 (G060909-01A)	**Tube**		**Sample Air Volume:152.16L**				**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001972	<0.00003593	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.181	0.00119	0.0006603	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0651	0.0004278	0.0002375	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.116	0.0007624	0.0004231	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	0.641	0.004213	0.001773	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001972	<0.00008598	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	<0.0001972	<0.00004543	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.124	0.0008149	0.0002763	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0477	0.0003135	0.0001063	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.0763	0.0005014	0.00017	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001972	<0.00006878	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.544	0.003575	0.002911	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0505	0.0003319	0.0002702	IH11	6/15/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.493	0.00324	0.002638	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	<0.0001972	<0.00004813	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001972	<0.00005597	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001972	<0.00004012	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0369	0.0002425	0.00004935	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.0331	0.0002175	0.00009158	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001972	<0.00004012	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.0001972	<0.00005597	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF0787-25 (G060909-02A)	**Tube**		**Sample Air Volume:136.32L**				**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002201	<0.0000401	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.180	0.00132	0.0007329	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0733	0.0005377	0.0002985	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.107	0.0007849	0.0004357	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	0.521	0.003822	0.001609	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002201	<0.00009597	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	<0.0002201	<0.0000507	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.103	0.0007556	0.0002562	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0322	0.0002362	0.00008009	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.0705	0.0005172	0.0001754	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002201	<0.00007677	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.279	0.002047	0.001666	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0651	0.0004776	0.0003888	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.214	0.00157	0.001278	IH11	6/16/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF0787-25 (G060909-02A) - cont. **Tube** **Sample Air Volume:136.32L** **Sampled: 06/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hexaldehyde	<0.0300	<0.0002201	<0.00005372	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002201	<0.00006247	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0002201	<0.00004478	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0316	0.0002318	0.00004717	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	<0.0002201	<0.00009264	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002201	<0.00004478	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.0002201	<0.00006247	IH10	6/16/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF0787-26 (G060909-03A) **Tube** **Sample Air Volume:175.68L** **Sampled: 06/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001708	<0.00003112	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.166	0.0009449	0.0005245	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0666	0.0003791	0.0002104	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0993	0.0005652	0.0003137	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Acetone	0.565	0.003216	0.001354	IH10, IH11	6/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001708	<0.00007447	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	<0.0001708	<0.00003934	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.152	0.0008652	0.0002934	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0537	0.0003057	0.0001036	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.0988	0.0005624	0.0001907	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001708	<0.00005957	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.226	0.001286	0.001047	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0562	0.0003199	0.0002605	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.170	0.0009677	0.0007879	IH11	6/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	<0.0001708	<0.00004169	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001708	<0.00004848	IH10	6/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001708	<0.00003475	IH10	6/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0350	0.0001992	0.00004054	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	<0.0001708	<0.00007189	IH10	6/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001708	<0.00003475	IH10	6/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	<0.0001708	<0.00004848	IH10	6/16/2009	zn	0.0300	EPA TO-11A

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(e) = Analyte concentration > 10% of front result indicates possible breakthrough

Inorganic Acids by NIOSH 7903 (Modified)

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0787-01 (C060909-01H)		**Tube**		**Sample Air Volume:131.04L**			**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01366	<0.00916	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01572	<0.01921	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-02 (C060909-02H)		**Tube**		**Sample Air Volume:139.68L**			**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01282	<0.008594	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01475	<0.01802	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-03 (C060909-03H)		**Tube**		**Sample Air Volume:133.92L**			**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01337	<0.008963	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01538	<0.0188	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-04 (S060909-01H)		**Tube**		**Sample Air Volume:109.44L**			**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01636	<0.01097	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01882	<0.023	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-05 (S060909-02H)		**Tube**		**Sample Air Volume:169.44L**			**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01056	<0.007084	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01216	<0.01486	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-06 (S060909-03H)		**Tube**		**Sample Air Volume:148.32L**			**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01207	<0.008093	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01389	<0.01697	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-07 (W060909-01H)		**Tube**		**Sample Air Volume:139.2L**			**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01286	<0.008623	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0148	<0.01808	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-08 (W060909-02H)		**Tube**		**Sample Air Volume:134.4L**			**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01332	<0.008931	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01533	<0.01873	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-09 (W060909-03H)		**Tube**		**Sample Air Volume:123.84L**			**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01445	<0.009693	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01663	<0.02033	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-10 (060909A-H)		**Tube**		**Sample Air Volume:L**			**Sampled: 06/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	--	--	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	--	--	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)

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Inorganic Acids by NIOSH 7903 (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF0787-11 (G060909-01H)		**Tube**		**Sample Air Volume:98.88L**				**Sampled: 06/09/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.0181	<0.01214	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.02083	<0.02546	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-12 (G060909-02H)		**Tube**		**Sample Air Volume:97.44L**				**Sampled: 06/09/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	3.67	0.03766	0.02526	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.02114	<0.02583	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF0787-13 (G060909-03H)		**Tube**		**Sample Air Volume:99.84L**				**Sampled: 06/09/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01793	<0.01202	IH10	6/25/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.02063	<0.02521	IH10	6/25/2009	ss	2.06	NIOSH 7903 (MOD)

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PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)						
P9F1539-BLK1						
Formaldehyde	0.08231		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Formaldehyde - Back	0.05059		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Acetaldehyde	0.08241		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Acetaldehyde - Back	0.06637		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Acrolein	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Acrolein - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Acetone	0.4839		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Acetone - Back	<0.300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Propionaldehyde	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Crotonaldehyde	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Butyraldehyde	0.1282		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Butyraldehyde - Back	0.03510		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Benzaldehyde	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Isovaleraldehyde	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Valeraldehyde	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
o-Tolualdehyde	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
m-Tolualdehyde	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
p-Tolualdehyde	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Hexaldehyde	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9F1539	P9F1539-BLK1	06-15-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9F2438-BLK1						
Hydrochloric Acid	<1.79	IH10	ug, Total	P9F2438	P9F2438-BLK1	06-24-2009
Hydrochloric Acid - Back	<1.79	IH10	ug, Total	P9F2438	P9F2438-BLK1	06-24-2009
Hydrofluoric Acid	<2.06	IH10	ug, Total	P9F2438	P9F2438-BLK1	06-24-2009
Hydrofluoric Acid - Back	<2.06	IH10	ug, Total	P9F2438	P9F2438-BLK1	06-24-2009

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Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)						

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9F1539-DUP1									
Formaldehyde	3.410	3.434	IH11	ug, Total	0.701	10	P9F1539	PSF0787-14	06-16-2009
Acetaldehyde	5.940	5.952	IH11	ug, Total	0.202	10	P9F1539	PSF0787-14	06-16-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-14	06-16-2009
Acetone	1.660	1.687	IH11	ug, Total	1.61	10	P9F1539	PSF0787-14	06-16-2009
Propionaldehyde	1.030	1.032	IH10	ug, Total	0.194	10	P9F1539	PSF0787-14	06-16-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-14	06-16-2009
Butyraldehyde	1.730	1.747	IH11	ug, Total	0.978	10	P9F1539	PSF0787-14	06-16-2009
Benzaldehyde	0.7270	0.7468	IH10	ug, Total	2.69	10	P9F1539	PSF0787-14	06-16-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-14	06-16-2009
Valeraldehyde	0.8780	0.8807	IH10	ug, Total	0.307	10	P9F1539	PSF0787-14	06-16-2009
o-Tolualdehyde	0.3780	0.3902	IH10	ug, Total	3.18	10	P9F1539	PSF0787-14	06-16-2009
m-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-14	06-16-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-14	06-16-2009
Hexaldehyde	2.890	2.887	IH10	ug, Total	0.104	10	P9F1539	PSF0787-14	06-16-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-14	06-16-2009
P9F1539-DUP2									
Formaldehyde	0.4930	0.4891	IH11	ug, Total	0.794	10	P9F1539	PSF0787-24	06-16-2009
Acetaldehyde	0.1160	0.1162	IH11	ug, Total	0.172	10	P9F1539	PSF0787-24	06-16-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-24	06-16-2009
Acetone	0.6410	0.6346	IH11	ug, Total	1	10	P9F1539	PSF0787-24	06-16-2009
Propionaldehyde	0.03310	0.03083	IH10	ug, Total	7.1	10	P9F1539	PSF0787-24	06-16-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-24	06-16-2009
Butyraldehyde	0.07630	0.07238	IH11	ug, Total	5.27	10	P9F1539	PSF0787-24	06-16-2009
Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-24	06-16-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-24	06-16-2009
Valeraldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-24	06-16-2009
o-Tolualdehyde	0.03690	0.03531	IH10	ug, Total	4.4	10	P9F1539	PSF0787-24	06-16-2009
m-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-24	06-16-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-24	06-16-2009
Hexaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-24	06-16-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F1539	PSF0787-24	06-16-2009

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date

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LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9F1539-BS1								
Formaldehyde	0.45	0.4997	IH11	ug, Total	111%	22-134	P9F1539	06-15-2009
Acetaldehyde	0.45	0.5062	IH11	ug, Total	112%	51-142	P9F1539	06-15-2009
Acrolein	0.45	0.1935	IH10, L2	ug, Total	43%	75-125	P9F1539	06-15-2009
Acetone	0.45	0.8977	IH11, IH5	ug, Total	199%	75-125	P9F1539	06-15-2009
Propionaldehyde	0.45	0.7586	IH10, L1	ug, Total	169%	67-145	P9F1539	06-15-2009
Crotonaldehyde	0.45	0.3651	IH10	ug, Total	81%	66-146	P9F1539	06-15-2009
Butyraldehyde	0.45	0.4897	IH11	ug, Total	109%	56-141	P9F1539	06-15-2009
Benzaldehyde	0.45	0.4576	IH10	ug, Total	102%	57-142	P9F1539	06-15-2009
Isovaleraldehyde	0.45	0.4478	IH10	ug, Total	100%	66-144	P9F1539	06-15-2009
Valeraldehyde	0.45	0.4689	IH10	ug, Total	104%	66-144	P9F1539	06-15-2009
o-Tolualdehyde	0.45	0.4730	IH10	ug, Total	105%	39-130	P9F1539	06-15-2009
m-Tolualdehyde	0.45	0.4509	IH10	ug, Total	100%	73-143	P9F1539	06-15-2009
p-Tolualdehyde	0.45	0.4237	IH10	ug, Total	94%	66-147	P9F1539	06-15-2009
Hexaldehyde	0.45	0.4668	IH10	ug, Total	104%	65-145	P9F1539	06-15-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4363	IH10	ug, Total	97%	75-144	P9F1539	06-15-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9F2438-BS1								
Hydrochloric Acid	10.3	9.164	IH10	ug, Total	89%	70-130	P9F2438	06-24-2009
Hydrofluoric Acid	10.5	8.829	IH10	ug, Total	84%	70-130	P9F2438	06-24-2009

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)												
P9F1539-BSD1												
Formaldehyde		0.5336	IH11	ug, Total	0.45	119%	22-134	6.56	20	P9F1539		06-15-2009
Acetaldehyde		0.5124	IH11	ug, Total	0.45	114%	51-142	1.22	20	P9F1539		06-15-2009
Acrolein		0.1969	IH10, L2	ug, Total	0.45	44%	75-125	1.74	20	P9F1539		06-15-2009
Acetone		0.8469	IH11,	ug, Total	0.45	188%	75-125	5.82	20	P9F1539		06-15-2009
Propionaldehyde		0.7639	IH10, L1	ug, Total	0.45	170%	67-145	0.696	20	P9F1539		06-15-2009
Crotonaldehyde		0.3742	IH10	ug, Total	0.45	83%	66-146	2.46	20	P9F1539		06-15-2009
Butyraldehyde		0.5478	IH11	ug, Total	0.45	122%	56-141	11.2	20	P9F1539		06-15-2009
Benzaldehyde		0.4609	IH10	ug, Total	0.45	102%	57-142	0.719	20	P9F1539		06-15-2009
Isovaleraldehyde		0.4567	IH10	ug, Total	0.45	101%	66-144	1.97	20	P9F1539		06-15-2009
Valeraldehyde		0.4741	IH10	ug, Total	0.45	105%	66-144	1.1	20	P9F1539		06-15-2009
o-Tolualdehyde		0.4783	IH10	ug, Total	0.45	106%	39-130	1.11	20	P9F1539		06-15-2009
m-Tolualdehyde		0.4556	IH10	ug, Total	0.45	101%	73-143	1.04	20	P9F1539		06-15-2009
p-Tolualdehyde		0.4291	IH10	ug, Total	0.45	95%	66-147	1.27	20	P9F1539		06-15-2009
Hexaldehyde		0.4732	IH10	ug, Total	0.45	105%	65-145	1.36	20	P9F1539		06-15-2009
2,5-Dimethyl Benzaldehyde		0.4377	IH10	ug, Total	0.45	97%	75-144	0.32	20	P9F1539		06-15-2009
Inorganic Acids by NIOSH 7903 (Modified)												

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LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)												
P9F2438-BSD1												
Hydrochloric Acid		8.874	IH10	ug, Total	10.3	86%	70-130	3.22	30	P9F2438		06-24-2009
Hydrofluoric Acid		8.977	IH10	ug, Total	10.5	86%	70-130	1.66	30	P9F2438		06-24-2009

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CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6001, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7600, NIOSH 7903, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

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DATA QUALIFIERS AND DEFINITIONS

IH10 Target analyte was not detected in the method blank at or above the reporting limit. The QC samples and client sample(s) were not blank corrected.

IH11 Target analyte was detected in the method blank at or above the reporting limit. The background was not subtracted from the QC samples or the client's sample(s).

IH5 The associated blank media spike recovery was above laboratory acceptance limits, because of background interference present in the media or solvent that was below the reporting limit, but high enough to have an effect on the recovery of the spikes.

L1 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.

L2 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.

N1 See case narrative.

ADDITIONAL COMMENTS

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #26

July 13, 2009

APPENDIX E. Laboratory Analytical Results from Event #126:
Sampling conducted Monday, June 15 to Tuesday, June 16

Test America Laboratories-Knoxville: EPA Method TO-15M
Test America Laboratories-Phoenix: EPA Method TO-11A, NIOSH 7903

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Countywide

Lot #: H9F190202

Shawn Ansbro

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

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

June 24, 2009

ANALYTICAL METHODS SUMMARY

H9F190202

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

H9F190202

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LE9H5	001	SU-C061509	06/15/09	
LE9H8	002	SU-G061509	06/15/09	
LE9H9	003	SU-S061509	06/15/09	
LE9JA	004	SU-W061509	06/15/09	
LE9JC	005	SU-COW061509	06/15/09	

NOTE(S):

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

PROJECT NARRATIVE
H9F190202

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

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

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

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

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

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

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verification analyzed on 06/19/09 exhibited a % difference of > 30% for carbon tetrachloride, the results were within the LCS acceptance limits.

Although carbon tetrachloride is flagged as being outside recovery limits in the laboratory control sample for batch 9171121, the laboratory control sample is in control. The standard operating procedure allows for 3 analytes to be outside the control limits, but within marginal exceedence limit.

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

Sample Data Summary

Lawhon & Associates, Inc.

Client Sample ID: SU-C061509

GC/MS Volatiles

Lot-Sample #	H9F190202 - 001	Work Order #	LE9H51AA	Matrix.....:	AIR

Date Sampled...:	06/15/2009	Date Received..:	06/19/2009
Prep Date.....:	06/19/2009	Analysis Date...	06/19/2009
Prep Batch #.....:	9171121		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**6.7**	**5.0**	**16**		**12**
Ethylbenzene	**0.068**	**0.20**	**0.30**	**J**	**0.87**
Trichlorofluoromethane	**0.27**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.16**	**0.50**	**0.64**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.18**	**0.50**	**0.65**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.14**	**2.0**	**0.43**	**J**	**6.1**
Methylene chloride	**0.46**	**0.50**	**1.6**	**J**	**1.7**
Benzene	**0.14**	**0.20**	**0.46**	**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	**0.47**	**0.20**	**1.8**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.076**	**0.20**	**0.58**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.086**	**0.20**	**0.42**	**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	**0.23**	**0.20**	**0.99**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.89**	**1.0**	**2.6**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.082**	**0.20**	**0.52**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C061509

GC/MS Volatiles

Lot-Sample # H9F190202 - 001 **Work Order #** LE9H51AA **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	**0.75**	**0.50**	**1.6**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.55**	**0.20**	**2.7**	**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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	105	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-G061509

GC/MS Volatiles

Lot-Sample #	H9F190202 - 002	**Work Order #**	LE9H81AA	**Matrix.....:**	AIR

Date Sampled...:	06/15/2009	**Date Received..:**	06/19/2009
Prep Date.....:	06/19/2009	**Analysis Date...**	06/19/2009
Prep Batch #.....:	9171121		
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**	**49**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.43**	**0.20**	**2.4**		**1.1**
n-Heptane	**0.22**	**0.50**	**0.90**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.49**	**0.50**	**1.7**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.045**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	**0.31**	**2.0**	**0.94**	**J**	**6.1**
Methylene chloride	**1.7**	**0.50**	**6.0**		**1.7**
Benzene	**0.19**	**0.20**	**0.61**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.071**	**1.0**	**0.21**	**J**	**2.9**
Toluene	**0.45**	**0.20**	**1.7**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.081**	**0.20**	**0.62**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.069**	**0.20**	**0.34**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.076**	**0.20**	**0.33**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.21**	**0.20**	**0.91**		**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)	**0.29**	**0.50**	**1.2**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.087**	**0.20**	**0.55**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G061509

GC/MS Volatiles

Lot-Sample # H9F190202 - 002 **Work Order #** LE9H81AA **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	**0.89**	**0.50**	**1.8**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.081**	**0.50**	**0.28**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.55**	**0.20**	**2.7**		**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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	108	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-S061509

GC/MS Volatiles

Lot-Sample # H9F190202 - 003 **Work Order #** LE9H91AA **Matrix.....:** AIR

Date Sampled...: 06/15/2009 **Date Received..:** 06/19/2009
Prep Date.....: 06/19/2009 **Analysis Date...** 06/19/2009
Prep Batch #.....: 9171121
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**	**39**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.28**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.18**	**0.50**	**0.75**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.35**	**0.50**	**1.2**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.048**	**0.50**	**0.22**	**J**	**2.3**
tert-Butyl alcohol	**0.20**	**2.0**	**0.62**	**J**	**6.1**
Methylene chloride	**0.50**	**0.50**	**1.7**		**1.7**
Benzene	**0.20**	**0.20**	**0.62**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.083**	**1.0**	**0.24**	**J**	**2.9**
Toluene	**0.45**	**0.20**	**1.7**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.085**	**0.20**	**0.65**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.12**	**0.20**	**0.59**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.087**	**0.20**	**0.38**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.24**	**0.20**	**1.0**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.3**	**1.0**	**6.6**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.19**	**0.50**	**0.78**	**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	**0.069**	**0.50**	**0.21**	**J**	**1.6**
Carbon tetrachloride	**0.087**	**0.20**	**0.55**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S061509

GC/MS Volatiles

Lot-Sample # H9F190202 - 003 **Work Order #** LE9H91AA **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	**0.72**	**0.50**	**1.5**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.056**	**0.50**	**0.19**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.55**	**0.20**	**2.7**		**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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	104	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-W061509

GC/MS Volatiles

Lot-Sample #	H9F190202 - 004	**Work Order #**	LE9JA1AA	**Matrix.....:**	AIR

Date Sampled...:	06/15/2009	**Date Received..:**	06/19/2009
Prep Date.....:	06/19/2009	**Analysis Date...**	06/19/2009
Prep Batch #.....:	9171121		
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	**32**	**5.0**	**76**		**12**
Ethylbenzene	**0.15**	**0.20**	**0.64**	**J**	**0.87**
Trichlorofluoromethane	**0.32**	**0.20**	**1.8**		**1.1**
n-Heptane	**0.13**	**0.50**	**0.55**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.42**	**0.50**	**1.5**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.039**	**0.50**	**0.18**	**J**	**2.3**
tert-Butyl alcohol	**2.0**	**2.0**	**6.2**		**6.1**
Methylene chloride	**1.4**	**0.50**	**5.0**		**1.7**
Benzene	**0.15**	**0.20**	**0.49**	**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	**0.47**	**0.20**	**1.8**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.078**	**0.20**	**0.60**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.17**	**0.20**	**0.85**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.11**	**0.20**	**0.48**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.32**	**0.20**	**1.4**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**5.8**	**1.0**	**17**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.50**	**0.50**	**2.1**		**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	**0.32**	**0.50**	**1.00**	**J**	**1.6**
Carbon tetrachloride	**0.082**	**0.20**	**0.52**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W061509

GC/MS Volatiles

Lot-Sample # H9F190202 - 004 Work Order # LE9JA1AA 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	**0.051**	**0.20**	**0.14**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.83**	**0.50**	**1.7**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.049**	**0.50**	**0.17**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.52**	**0.20**	**2.6**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	103	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: SU-COW061509

GC/MS Volatiles

Lot-Sample #	H9F190202 - 005	Work Order #	LE9JC1AA	Matrix.....:	AIR

Date Sampled...:	06/15/2009	Date Received..:	06/19/2009
Prep Date.....:	06/19/2009	Analysis Date...	06/20/2009
Prep Batch #.....:	9171121		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**10**	**5.0**	**24**		**12**
Ethylbenzene	**0.069**	**0.20**	**0.30**	**J**	**0.87**
Trichlorofluoromethane	**0.29**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.13**	**0.50**	**0.55**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.24**	**0.50**	**0.83**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.11**	**2.0**	**0.34**	**J**	**6.1**
Methylene chloride	**0.43**	**0.50**	**1.5**	**J**	**1.7**
Benzene	**0.16**	**0.20**	**0.51**	**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	**0.11**	**1.0**	**0.33**	**J**	**2.9**
Toluene	**0.55**	**0.20**	**2.1**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.090**	**0.20**	**0.69**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.24**	**0.20**	**1.2**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.10**	**0.20**	**0.44**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.25**	**0.20**	**1.1**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.2**	**1.0**	**3.7**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.13**	**0.50**	**0.53**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	ND	0.50	ND		1.6
Carbon tetrachloride	**0.087**	**0.20**	**0.55**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COW061509

GC/MS Volatiles

Lot-Sample # H9F190202 - 005 Work Order # LE9JC1AA 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	**0.70**	**0.50**	**1.5**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.58**	**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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	110	60 - 140

Qualifiers

J Estimated result. Result is less than RL.

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

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

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9F200000 - 121B **Work Order #** LFCVX1AA **Matrix.....:** AIR

	06/18/2009	**Date Received..:**	06/19/2009
Prep Date.....:	06/19/2009	**Analysis Date...**	06/19/2009
Prep Batch #.....:	9171121		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND	0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND	1.4
Acetone	ND	5.0	ND	12
Ethylbenzene	ND	0.20	ND	0.87
Trichlorofluoromethane	ND	0.20	ND	1.1
n-Heptane	ND	0.50	ND	2.0
Hexachlorobutadiene	ND	1.0	ND	11
n-Hexane	ND	0.50	ND	1.8
2,2,4-Trimethylpentane	ND	0.50	ND	2.3
tert-Butyl alcohol	ND	2.0	ND	6.1
Methylene chloride	ND	0.50	ND	1.7
Benzene	ND	0.20	ND	0.64
Styrene	ND	0.20	ND	0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND	1.4
Tetrachloroethene	ND	0.20	ND	1.4
Tetrahydrofuran	ND	1.0	ND	2.9
Toluene	ND	0.20	ND	0.75
1,2,4-Trichlorobenzene	ND	1.0	ND	7.4
1,1,1-Trichloroethane	ND	0.20	ND	1.1
1,1,2-Trichloroethane	ND	0.20	ND	1.1
Trichloroethene	ND	0.20	ND	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ND	1.5
1,2,4-Trimethylbenzene	ND	0.20	ND	0.98
1,3,5-Trimethylbenzene	ND	0.20	ND	0.98
Vinyl chloride	ND	0.20	ND	0.51
o-Xylene	ND	0.20	ND	0.87
Methyl tert-butyl ether	ND	1.0	ND	3.6
m-Xylene & p-Xylene	ND	0.20	ND	0.87
Bromodichloromethane	ND	0.20	ND	1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND	1.5
2-Butanone (MEK)	ND	1.0	ND	2.9
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND	2.0
Vinyl bromide	ND	0.20	ND	0.87
Bromoform	ND	0.20	ND	2.1
Bromomethane	ND	0.20	ND	0.78
1,3-Butadiene	ND	0.40	ND	0.88
4-Ethyltoluene	ND	0.40	ND	2.0
Carbon disulfide	ND	0.50	ND	1.6

Lawhon & Associates, Inc.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9F200000 - 121B Work Order # LFCVX1AA 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

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	60 - 140

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

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

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9F200000 - 121C **Work Order #** LFCVX1AC **Matrix.....:** AIR

	06/18/2009	**Date Received..:**	06/19/2009
Prep Date.....:	06/19/2009	**Analysis Date...**	06/19/2009
Prep Batch #.....:	9171121		
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
trans-1,3-Dichloropropene	12.5	10.4	57	47	84	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	12.5	11.6	87	81	93	60 - 140
Acetone	12.5	10.1	30	24	80	60 - 140
Ethylbenzene	12.5	10.3	54	45	82	70 - 130
Trichlorofluoromethane	12.5	11.9	70	67	95	60 - 140
n-Heptane	12.5	13.5	51	55	108	70 - 130
Hexachlorobutadiene	12.5	9.86	130	110	79	60 - 140
n-Hexane	12.5	12.5	44	44	100	70 - 130
2,2,4-Trimethylpentane	12.5	13.1	58	61	105	70 - 130
tert-Butyl alcohol	12.5	11.7	38	36	94	60 - 140
Methylene chloride	12.5	11.9	43	41	96	70 - 130
Benzene	12.5	12.0	40	38	96	70 - 130
Styrene	12.5	11.6	53	49	93	70 - 130
1,1,2,2-Tetrachloroethane	12.5	10.5	86	72	84	70 - 130
Tetrachloroethene	12.5	10.7	85	73	86	70 - 130
Tetrahydrofuran	12.5	11.3	37	33	91	70 - 130
Toluene	12.5	10.1	47	38	81	70 - 130
1,2,4-Trichlorobenzene	12.5	9.65	93	72	77	60 - 140
1,1,1-Trichloroethane	12.5	12.5	68	68	100	70 - 130
1,1,2-Trichloroethane	12.5	9.87	68	54	79	70 - 130
Trichloroethene	12.5	13.9	67	75	111	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	12.5	13.6	96	100	109	70 - 130
1,2,4-Trimethylbenzene	12.5	10.6	61	52	84	70 - 130
1,3,5-Trimethylbenzene	12.5	10.8	61	53	86	70 - 130
Vinyl chloride	12.5	11.7	32	30	93	70 - 130
o-Xylene	12.5	10.1	54	44	81	70 - 130
Methyl tert-butyl ether	12.5	10.8	45	39	86	60 - 140
m-Xylene & p-Xylene	25.0	20.8	110	90	83	70 - 130
Bromodichloromethane	12.5	13.4	84	90	107	70 - 130
1,2-Dibromoethane (EDB)	12.5	10.0	96	77	80	70 - 130
2-Butanone (MEK)	12.5	10.2	37	30	82	60 - 140
4-Methyl-2-pentanone (MIBK)	12.5	15.4	51	63	124	60 - 140
Vinyl bromide	12.5	12.2	55	53	98	60 - 140
Bromoform	12.5	11.0	130	110	88	70 - 130
Bromomethane	12.5	10.4	49	40	83	70 - 130
1,3-Butadiene	12.5	12.5	28	28	100	60 - 140
4-Ethyltoluene	12.5	10.5	61	52	84	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9F200000 - 121C Work Order # LFCVX1AC Matrix.....: AIR

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY		RECOVERY LIMITS
Carbon disulfide	12.5	12.1	39	38	97		70 - 130
Carbon tetrachloride	12.5	16.8	79	110	134	a	70 - 130
Chlorobenzene	12.5	9.56	58	44	76		70 - 130
Dibromochloromethane	12.5	11.9	110	100	95		70 - 130
Chloroethane	12.5	11.5	33	30	92		70 - 130
Chloroform	12.5	11.8	61	58	95		70 - 130
Chloromethane	12.5	12.4	26	26	99		60 - 140
3-Chloropropene	12.5	13.3	39	42	106		70 - 130
2-Chlorotoluene	12.5	9.91	65	51	79		70 - 130
Cyclohexane	12.5	14.0	43	48	112		70 - 130
1,2-Dichlorobenzene	12.5	9.32	75	56	75		70 - 130
1,3-Dichlorobenzene	12.5	9.62	75	58	77		70 - 130
1,4-Dichlorobenzene	12.5	9.66	75	58	77		70 - 130
Dichlorodifluoromethane	12.5	11.9	62	59	95		60 - 140
1,1-Dichloroethane	12.5	12.6	51	51	101		70 - 130
1,2-Dichloroethane	12.5	12.8	51	52	102		70 - 130
1,1-Dichloroethene	12.5	13.9	50	55	111		70 - 130
cis-1,2-Dichloroethene	12.5	12.4	50	49	99		70 - 130
trans-1,2-Dichloroethene	12.5	11.8	50	47	94		70 - 130
1,2-Dichloropropane	12.5	12.0	58	55	96		70 - 130
cis-1,3-Dichloropropene	12.5	11.7	57	53	94		70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	106	60 - 140

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

L49F-190202

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

№ 5148

975 ~~920~~ Eastwind Drive, Suite ~~211~~ 190
Westerville, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

~~2718 Freeman Ave.~~
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~~Phone (216) 737-0100~~
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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: Fed Ex
Air Bill No.: 8694 2482 7126
Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Nick Iannaggi

Signature:

Sample I.D. No.	Type	Comp	Grab	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis	Expected Conc. (H.M.L.)	Hold	Remarks: Summa Can #
SU-C061509				6/15/09	1440	Cell Tower	1			X VOC			S-1494
SU-G061509				6/15/09	1440	Campground	1			X			1309A
SU-S061509				6/15/09	1440	School	1			X			6592
SU-W061509				6/15/09	1440	Wetland	1			X			6600
SU-COW061509				6/15/09	1440	Co-Wetland	1			X			6671

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
	6/18/09 15:00		6/19/09 10:00				
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

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

1-49F 190202

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Sampled By: Nick Iannaggi

2 of 2 COCs

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

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 - VOC	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SU-C061509	6/15/09	15:00	15:00	-29.0	-5.5	K172	S-1494	X											
SU-G061509	↓	↓	↓	-28.5	-4.5	K315	1305N	X											
SU-S061509				-29.0	-5.0	K438	6592	X											
SU-W061509				-29.0	-4.0	K326	6600	X											
SU-COW061509	↓	↓	↓	-29.5	-4.0	K370	6671	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Custody seal intact
rec. at ambient temp.
1 box
Fed ex # 869424827126

6 cans / 6 flows
DGY 6/19/09

Special Instructions/QC Requirements & Comments:

Return Can #62274N, did not use.

Canisters Shipped by: [signature]	Date/Time: 6/18/09 15:00	Canisters Received by:
Samples Relinquished by: [signature]	Date/Time:	Received by: [signature] 6/19/09 10:00
Relinquished by:	Date/Time:	Received by:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

July 02, 2009

LABORATORY REPORT

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

Work Order:	PSF1155
Project Name:	Countywide - Ambient Air
Project Number:	Countywide / 07-0082
Date Received:	06/19/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 7.1°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

N-1 = The back section of sample PSF1155-07 contained a hit while the front section of the sample did not. The digestion tubes were checked and observed to have been in the correct order to load the back section into the back and the front section into the front.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

Denise Harrington
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

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

Work Order: PSF1155
Project: Countywide - Ambient Air
Project Number: Countywide / 07-0082

Received: 06/19/09
Reported: 07/02/09 15:04

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C061509-01H	PSF1155-01	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
C061509-02H	PSF1155-02	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
C061509-03H	PSF1155-03	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
G061509-01H	PSF1155-04	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
G061509-02H	PSF1155-05	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
G061509-03H	PSF1155-06	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
S061509-01H	PSF1155-07	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
S061509-02H	PSF1155-08	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
S061509-03H	PSF1155-09	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
W061509-01H	PSF1155-10	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
W061509-02H	PSF1155-11	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
W061509-03H	PSF1155-12	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
061509A-H	PSF1155-13	06/15/09	Silica Gel tube, 200/400 mg Specially cleaned
C061509-01A	PSF1155-14	06/15/09	DNPH Silica Gel Tube, 450 mg
C061509-02A	PSF1155-15	06/15/09	DNPH Silica Gel Tube, 450 mg
C061509-03A	PSF1155-16	06/15/09	DNPH Silica Gel Tube, 450 mg
G061509-01A	PSF1155-17	06/15/09	DNPH Silica Gel Tube, 450 mg
G061509-02A	PSF1155-18	06/15/09	DNPH Silica Gel Tube, 450 mg
G061509-03A	PSF1155-19	06/15/09	DNPH Silica Gel Tube 450 mg with Ozone Scrubber
S061509-01A	PSF1155-20	06/15/09	DNPH Silica Gel Tube 450 mg with Ozone Scrubber
S061509-02A	PSF1155-21	06/15/09	DNPH Silica Gel Tube 450 mg with Ozone Scrubber
S061509-03A	PSF1155-22	06/15/09	DNPH Silica Gel Tube 450 mg with Ozone Scrubber
W061509-01A	PSF1155-23	06/15/09	DNPH Silica Gel Tube 450 mg with Ozone Scrubber
W061509-02A	PSF1155-24	06/15/09	DNPH Silica Gel Tube 450 mg with Ozone Scrubber
W061509-03A	PSF1155-25	06/15/09	DNPH Silica Gel Tube 450 mg with Ozone Scrubber
061509A-A	PSF1155-26	06/15/09	DNPH Silica Gel Tube 450 mg with Ozone Scrubber

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF1155 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 06/19/09 Reported: 07/02/09 15:04	

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF1155 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 06/19/09 Reported: 07/02/09 15:04	

ANALYTICAL REPORT

Aldehydes and Ketones by EPA TO-11A (Modified)

Sample ID: PSF1155-14 (C061509-01A) **Tube** **Sample Air Volume:216.96L** **Sampled: 06/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001383	<0.0000252	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.44	0.02968	0.01648	IH11, RL7	6/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0942	0.0004342	0.000241	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	6.35	0.02927	0.01625	IH11, RL7	6/29/2009	zn	0.300	EPA TO-11A
Acetone	3.64	0.01678	0.007063	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.533	0.002457	0.001034	IH10	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Front	3.11	0.01433	0.006034	IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001383	<0.0000603	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.512	0.00236	0.0005437	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.92	0.00885	0.003001	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0714	0.0003291	0.0001116	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.85	0.008527	0.002891	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001383	<0.00004824	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.24	0.01493	0.01216	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0771	0.0003554	0.0002893	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.16	0.01456	0.01186	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.43	0.0112	0.002734	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001383	<0.00003925	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.150	0.0006914	0.0001407	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.377	0.001738	0.0003536	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.01	0.004655	0.00196	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0350	0.0001613	0.00006791	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.976	0.004499	0.001894	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001383	<0.00002814	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.711	0.003277	0.0009303	IH10	6/27/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF1155-15 (C061509-02A) **Tube** **Sample Air Volume:175.68L** **Sampled: 06/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001708	<0.00003112	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.60	0.009107	0.005055	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0547	0.0003114	0.0001728	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.55	0.008823	0.004897	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetone	1.64	0.009335	0.00393	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.326	0.001856	0.0007812	IH10	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.31	0.007457	0.003139	IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001708	<0.00007447	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.213	0.001212	0.0002793	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.545	0.003102	0.001052	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0563	0.0003205	0.0001087	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.489	0.002783	0.0009438	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001708	<0.00005957	IH10	6/27/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF1155-15 (C061509-02A) - cont.	**Tube**		**Sample Air Volume:175.68L**				**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Formaldehyde	1.12	0.006375	0.005191	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0873	0.0004969	0.0004046	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.03	0.005863	0.004774	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.684	0.003893	0.0009504	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001708	<0.00004848	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001708	<0.00003475	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.183	0.001042	0.000212	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.360	0.002049	0.0008626	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back (e)	0.0425	0.0002419	0.0001018	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.317	0.001804	0.0007596	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001708	<0.00003475	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.480	0.002732	0.0007756	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1155-16 (C061509-03A)	**Tube**		**Sample Air Volume:216.0L**				**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001389	<0.00002531	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.74	0.02657	0.01475	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0712	0.0003296	0.000183	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.67	0.02625	0.01457	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetone	2.77	0.01282	0.005399	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001389	<0.00006057	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.409	0.001894	0.0004363	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.54	0.00713	0.002417	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0415	0.0001921	0.00006514	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.50	0.006944	0.002355	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.126	0.0005833	0.0002035	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.60	0.01204	0.0098	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0773	0.0003579	0.0002914	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.52	0.01167	0.009499	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.86	0.008611	0.002102	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0819	0.0003792	0.0001076	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001389	<0.00002826	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.450	0.002083	0.0004239	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.864	0.004	0.001684	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001389	<0.00002826	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.619	0.002866	0.0008135	IH10	6/27/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF1155-17 (G061509-01A) **Tube** **Sample Air Volume:136.32L** **Sampled: 06/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002201	<0.0000401	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.07	0.03719	0.02064	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.111	0.0008143	0.000452	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.96	0.03638	0.0202	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetone	2.58	0.01893	0.007967	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002201	<0.00009597	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.457	0.003352	0.0007724	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.59	0.01166	0.003955	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0407	0.0002986	0.0001012	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.55	0.01137	0.003855	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.138	0.001012	0.0003531	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	4.02	0.02949	0.02401	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0916	0.0006719	0.0005471	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.93	0.02883	0.02347	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.66	0.01951	0.004763	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002201	<0.00006247	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.148	0.001086	0.0002209	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.251	0.001841	0.0003747	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.831	0.006096	0.002566	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002201	<0.00004478	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.771	0.005656	0.001606	IH10	6/27/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF1155-18 (G061509-02A) **Tube** **Sample Air Volume:117.12L** **Sampled: 06/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0002561	<0.00004667	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.30	0.0111	0.006161	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0559	0.0004773	0.0002649	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.24	0.01059	0.005877	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetone	1.30	0.0111	0.004673	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.338	0.002886	0.001215	IH10	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.966	0.008248	0.003472	IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002561	<0.0001117	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.231	0.001972	0.0004544	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.479	0.00409	0.001387	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0571	0.0004875	0.0001653	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.422	0.003603	0.001222	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002561	<0.00008935	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.07	0.009136	0.007438	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0783	0.0006685	0.0005443	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.994	0.008487	0.00691	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.815	0.006959	0.001699	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002561	<0.00007271	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.120	0.001025	0.0002085	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.168	0.001434	0.0002919	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSF1155-18 (G061509-02A) - cont.		**Tube**	**Sample Air Volume:117.12L**					**Sampled: 06/15/09**
Propionaldehyde	0.261	0.002228	0.0009381	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002561	<0.00005212	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.363	0.003099	0.0008798	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1155-19 (G061509-03A)		**Tube**	**Sample Air Volume:149.76L**					**Sampled: 06/15/09**
2,5-Dimethyl Benzaldehyde	0.0874	0.0005836	0.0001063	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.78	0.0386	0.02142	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0740	0.0004941	0.0002743	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.71	0.03813	0.02116	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetone	2.97	0.01983	0.008349	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.312	0.002083	0.000877	IH10	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.66	0.01776	0.007477	IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002003	<0.00008736	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.489	0.003265	0.0007523	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.48	0.009882	0.003351	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0437	0.0002918	0.00009894	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.44	0.009615	0.00326	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0002003	<0.00006988	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.85	0.02571	0.02093	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0784	0.0005235	0.0004262	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.77	0.02517	0.0205	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.20	0.01469	0.003586	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0564	0.0003766	0.0001069	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.189	0.001262	0.0002568	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.305	0.002037	0.0004144	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.893	0.005963	0.00251	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002003	<0.00004076	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.733	0.004894	0.001389	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1155-20 (S061509-01A)		**Tube**	**Sample Air Volume:118.08L**					**Sampled: 06/15/09**
2,5-Dimethyl Benzaldehyde	0.0651	0.0005513	0.0001005	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.36	0.03692	0.02049	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0843	0.0007139	0.0003963	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.28	0.03625	0.02012	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetone	2.00	0.01694	0.00713	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002541	<0.0001108	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.411	0.003481	0.0008019	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.28	0.01084	0.003676	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0980	0.0008299	0.0002895	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.58	0.02185	0.01779	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0768	0.0006504	0.0005296	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.50	0.02117	0.01724	IH11	6/27/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF1155-20 (S061509-01A) - cont.	**Tube**		**Sample Air Volume:118.08L**				**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hexaldehyde	1.98	0.01677	0.004093	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002541	<0.00007212	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.114	0.0009654	0.0001965	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.308	0.002608	0.0005308	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.702	0.005945	0.002503	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002541	<0.0000517	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.550	0.004658	0.001322	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1155-21 (S061509-02A)	**Tube**		**Sample Air Volume:227.04L**				**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.106	0.0004669	0.00008507	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.48	0.006519	0.003618	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0609	0.0002682	0.0001489	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.42	0.006254	0.003472	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetone	1.33	0.005858	0.002466	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.324	0.001427	0.0006008	IH10	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.01	0.004449	0.001873	IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001321	<0.00005763	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.270	0.001189	0.000274	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.503	0.002215	0.0007512	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0638	0.000281	0.00009528	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.439	0.001934	0.0006556	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001321	<0.00004609	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.10	0.004845	0.003945	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0687	0.0003026	0.0002464	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.03	0.004537	0.003694	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.737	0.003246	0.0007924	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.104	0.0004581	0.00013	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.125	0.0005506	0.000112	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.245	0.001079	0.0002196	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.317	0.001396	0.0005878	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001321	<0.00002689	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.280	0.001233	0.0003501	IH10	6/27/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF1155-22 (S061509-03A)	**Tube**		**Sample Air Volume:236.64L**				**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.118	0.0004986	0.00009086	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.48	0.02316	0.01285	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0810	0.0003423	0.00019	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.40	0.02282	0.01267	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetone	2.58	0.0109	0.00459	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001268	<0.00005529	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.437	0.001847	0.0004255	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.51	0.006381	0.002164	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0547	0.0002312	0.00007838	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.46	0.00617	0.002092	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.118	0.0004986	0.0001739	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.70	0.01141	0.00929	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0847	0.0003579	0.0002914	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.62	0.01107	0.009014	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.05	0.008663	0.002115	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0836	0.0003533	0.0001003	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.152	0.0006423	0.0001307	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.529	0.002235	0.0004549	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.826	0.003491	0.001469	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001268	<0.0000258	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.630	0.002662	0.0007557	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1155-23 (W061509-01A)	**Tube**		**Sample Air Volume:216.0L**				**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0958	0.0004435	0.00008082	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.21	0.02875	0.01596	IH11, RL7	6/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.113	0.0005231	0.0002904	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	6.10	0.02824	0.01568	IH11, RL7	6/29/2009	zn	0.300	EPA TO-11A
Acetone	3.39	0.01569	0.006607	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.874	0.004046	0.001703	IH10	6/27/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.52	0.01167	0.004911	IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001389	<0.00006057	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.698	0.003231	0.0007445	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.82	0.008426	0.002857	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.165	0.0007639	0.000259	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.66	0.007685	0.002606	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.117	0.0005417	0.000189	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.58	0.01657	0.01349	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0877	0.000406	0.0003306	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.49	0.01616	0.01316	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.76	0.01278	0.003119	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001389	<0.00003943	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.170	0.000787	0.0001602	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.446	0.002065	0.0004202	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF1155-23 (W061509-01A) - cont.	**Tube**		**Sample Air Volume:216.0L**				**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Propionaldehyde	0.949	0.004394	0.00185	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0337	0.000156	0.00006568	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.915	0.004236	0.001783	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001389	<0.00002826	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.753	0.003486	0.0009896	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1155-24 (W061509-02A)	**Tube**		**Sample Air Volume:215.52L**				**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001392	<0.00002536	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.26	0.005846	0.003245	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0542	0.0002515	0.0001396	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.21	0.005614	0.003116	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetone	0.783	0.003633	0.001529	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001392	<0.00006071	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.226	0.001049	0.0002416	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.400	0.001856	0.0006293	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0569	0.000264	0.00008952	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.343	0.001591	0.0005396	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001392	<0.00004856	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.833	0.003865	0.003147	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0879	0.0004079	0.0003321	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.745	0.003457	0.002814	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.679	0.003151	0.0007691	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0789	0.0003661	0.0001039	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.120	0.0005568	0.0001133	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.177	0.0008213	0.0001671	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.240	0.001114	0.0004688	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001392	<0.00002833	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.292	0.001355	0.0003846	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1155-25 (W061509-03A)	**Tube**		**Sample Air Volume:203.52L**				**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	<0.0001474	<0.00002686	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.29	0.03091	0.01715	IH11, RL7	6/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0764	0.0003754	0.0002084	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	6.21	0.03051	0.01694	IH11, RL7	6/29/2009	zn	0.300	EPA TO-11A
Acetone	2.56	0.01258	0.005295	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001474	<0.00006428	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.511	0.002511	0.0005785	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.55	0.007616	0.002582	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0364	0.0001789	0.00006064	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.51	0.007419	0.002516	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001474	<0.00005142	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.85	0.014	0.0114	IH11	6/27/2009	zn	0.0300	EPA TO-11A

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Aldehydes and Ketones by EPA TO-11A (Modified) - cont.

Sample ID: PSF1155-25 (W061509-03A) - cont. | **Tube** | **Sample Air Volume:203.52L** | **Sampled: 06/15/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Formaldehyde - Back	0.0865	0.000425	0.000346	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.76	0.01356	0.01104	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.10	0.01032	0.002519	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0895	0.0004398	0.0001248	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	<0.0001474	<0.00003	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.506	0.002486	0.0005059	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.880	0.004324	0.00182	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0309	0.0001518	0.00006392	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.849	0.004172	0.001756	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001474	<0.00003	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.675	0.003317	0.0009415	IH10	6/27/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF1155-26 (061509A-A) | **Tube** | **Sample Air Volume:L** | **Sampled: 06/15/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0855	--	--	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0325	--	--	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0530	--	--	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Acetone	0.536	--	--	IH10, IH11	6/27/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.0902	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Back (e)	0.0902	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Benzaldehyde - Front	<0.0300	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.129	--	--	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0387	--	--	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.0900	--	--	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.160	--	--	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0559	--	--	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.104	--	--	IH11	6/27/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0304	--	--	IH10, IH11	6/27/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	6/27/2009	zn	0.0300	EPA TO-11A

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Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit	Method
(e) = Analyte concentration > 10% of front result indicates possible breakthrough								
Inorganic Acids by NIOSH 7903 (Modified)								
Sample ID: PSF1155-01 (C061509-01H)		**Tube**		**Sample Air Volume:155.04L**			**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01155	<0.007742		6/27/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01329	<0.01624		6/27/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-02 (C061509-02H)		**Tube**		**Sample Air Volume:158.4L**			**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.0113	<0.007578		6/27/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01301	<0.01589		6/27/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-03 (C061509-03H)		**Tube**		**Sample Air Volume:155.04L**			**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01155	<0.007742		6/27/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01329	<0.01624		6/27/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-04 (G061509-01H)		**Tube**		**Sample Air Volume:116.64L**			**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01535	<0.01029		6/27/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01766	<0.02158		6/27/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-05 (G061509-02H)		**Tube**		**Sample Air Volume:116.16L**			**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01541	<0.01033		6/27/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01773	<0.02167		6/27/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-06 (G061509-03H)		**Tube**		**Sample Air Volume:117.12L**			**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01528	<0.01025		6/27/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01759	<0.02149		6/27/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-07 (S061509-01H)		**Tube**		**Sample Air Volume:115.2L**			**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	7.73	0.0671	0.045		6/27/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrochloric Acid - Back (e)	7.73	0.0671	0.045	IH10, N1	6/27/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrochloric Acid - Front	<1.79	<0.01554	<0.01042	IH10	6/27/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01788	<0.02185		6/27/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-08 (S061509-02H)		**Tube**		**Sample Air Volume:197.28L**			**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.009073	<0.006085		6/28/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01044	<0.01276		6/28/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-09 (S061509-03H)		**Tube**		**Sample Air Volume:172.32L**			**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01039	<0.006966		6/28/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01195	<0.01461		6/28/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-10 (W061509-01H)		**Tube**		**Sample Air Volume:149.28L**			**Sampled: 06/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	

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Inorganic Acids by NIOSH 7903 (Modified) - cont.

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSF1155-10 (W061509-01H) - cont.		**Tube**		**Sample Air Volume:149.28L**				**Sampled: 06/15/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01199	<0.008041		6/28/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0138	<0.01686		6/28/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-11 (W061509-02H)		**Tube**		**Sample Air Volume:160.32L**				**Sampled: 06/15/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01117	<0.007487		6/28/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01285	<0.0157		6/28/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-12 (W061509-03H)		**Tube**		**Sample Air Volume:141.12L**				**Sampled: 06/15/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01268	<0.008506		6/28/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.0146	<0.01784		6/28/2009	ss	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1155-13 (061509A-H)		**Tube**		**Sample Air Volume:L**				**Sampled: 06/15/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	--	--		6/28/2009	ss	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	--	--		6/28/2009	ss	2.06	NIOSH 7903 (MOD)

(e) = Analyte concentration > 10% of front result indicates possible breakthrough

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PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)						
P9F2617-BLK1						
Formaldehyde	0.1013		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Formaldehyde - Back	0.05561		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Acetaldehyde	0.05030		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Acetaldehyde - Back	0.03196		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Acrolein	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Acrolein - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Acetone	0.5327		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Acetone - Back	<0.300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Propionaldehyde	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Crotonaldehyde	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Butyraldehyde	0.1331		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Butyraldehyde - Back	0.05020		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Benzaldehyde	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Isovaleraldehyde	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Valeraldehyde	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
o-Tolualdehyde	0.03130		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
m-Tolualdehyde	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
p-Tolualdehyde	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Hexaldehyde	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9F2617	P9F2617-BLK1	06-27-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9F2706-BLK1						
Hydrochloric Acid	<1.79	IH10	ug, Total	P9F2706	P9F2706-BLK1	06-27-2009
Hydrochloric Acid - Back	<1.79	IH10	ug, Total	P9F2706	P9F2706-BLK1	06-27-2009
Hydrofluoric Acid	<2.06	IH10	ug, Total	P9F2706	P9F2706-BLK1	06-27-2009
Hydrofluoric Acid - Back	<2.06	IH10	ug, Total	P9F2706	P9F2706-BLK1	06-27-2009

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Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date
Inorganic Acids by NIOSH 7903 (Modified)						

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)									
P9F2617-DUP1									
Formaldehyde	3.160	3.160	IH11	ug, Total	0.00000272	10	P9F2617	PSF1155-14	06-27-2009
Acetaldehyde	6.350	6.196	IH11, RL7	ug, Total	2.45	10	P9F2617	PSF1155-14	06-29-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9F2617	PSF1155-14	06-27-2009
Acetone	3.110	3.102	IH11	ug, Total	0.258	10	P9F2617	PSF1155-14	06-27-2009
Propionaldehyde	0.9760	0.9754	IH10	ug, Total	0.0615	10	P9F2617	PSF1155-14	06-27-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F2617	PSF1155-14	06-27-2009
Butyraldehyde	1.850	1.848	IH11	ug, Total	0.108	10	P9F2617	PSF1155-14	06-27-2009
Benzaldehyde	0.5120	0.5159	IH10	ug, Total	0.759	10	P9F2617	PSF1155-14	06-27-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9F2617	PSF1155-14	06-27-2009
Valeraldehyde	0.7110	0.7179	IH10	ug, Total	0.966	10	P9F2617	PSF1155-14	06-27-2009
o-Tolualdehyde	0.3770	0.3824	IH11	ug, Total	1.42	10	P9F2617	PSF1155-14	06-27-2009
m-Tolualdehyde	0.1500	0.1496	IH10	ug, Total	0.267	10	P9F2617	PSF1155-14	06-27-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F2617	PSF1155-14	06-27-2009
Hexaldehyde	2.430	2.425	IH10	ug, Total	0.206	10	P9F2617	PSF1155-14	06-27-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F2617	PSF1155-14	06-27-2009
P9F2617-DUP2									
Formaldehyde	0.7450	0.7392	IH11	ug, Total	0.782	10	P9F2617	PSF1155-24	06-27-2009
Acetaldehyde	1.210	1.208	IH11	ug, Total	0.165	10	P9F2617	PSF1155-24	06-27-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9F2617	PSF1155-24	06-27-2009
Acetone	0.7830	0.7724	IH11	ug, Total	1.36	10	P9F2617	PSF1155-24	06-27-2009
Propionaldehyde	0.2400	0.2378	IH10	ug, Total	0.921	10	P9F2617	PSF1155-24	06-27-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F2617	PSF1155-24	06-27-2009
Butyraldehyde	0.3430	0.3456	IH11	ug, Total	0.755	10	P9F2617	PSF1155-24	06-27-2009
Benzaldehyde	0.2260	0.2276	IH10	ug, Total	0.705	10	P9F2617	PSF1155-24	06-27-2009
Isovaleraldehyde	0.07890	0.08367	IH10	ug, Total	5.87	10	P9F2617	PSF1155-24	06-27-2009
Valeraldehyde	0.2920	0.2807	IH10	ug, Total	3.95	10	P9F2617	PSF1155-24	06-27-2009
o-Tolualdehyde	0.1770	0.1621	IH11	ug, Total	8.79	10	P9F2617	PSF1155-24	06-27-2009
m-Tolualdehyde	0.1200	0.1037	IH10	ug, Total	14.6	10	P9F2617	PSF1155-24	06-27-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9F2617	PSF1155-24	06-27-2009
Hexaldehyde	0.6790	0.6304	IH10	ug, Total	7.42	10	P9F2617	PSF1155-24	06-27-2009
2,5-Dimethyl Benzaldehyde	ND	<0.0300	IH10	ug, Total		10	P9F2617	PSF1155-24	06-27-2009

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date

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Aldehydes and Ketones by EPA TO-11A (Modified)

P9F2617-BS1

Formaldehyde	0.45	0.5267	IH11	ug, Total	117%	22-134	P9F2617	06-27-2009
Acetaldehyde	0.45	0.4855	IH11	ug, Total	108%	51-142	P9F2617	06-27-2009
Acrolein	0.45	0.1702	IH10, L2	ug, Total	38%	75-125	P9F2617	06-27-2009
Acetone	0.45	0.9299	IH11, L1	ug, Total	207%	75-125	P9F2617	06-27-2009
Propionaldehyde	0.45	0.7504	IH10, L1	ug, Total	167%	67-145	P9F2617	06-27-2009
Crotonaldehyde	0.45	0.3472	IH10	ug, Total	77%	66-146	P9F2617	06-27-2009
Butyraldehyde	0.45	0.5217	IH11	ug, Total	116%	56-141	P9F2617	06-27-2009
Benzaldehyde	0.45	0.4690	IH10	ug, Total	104%	57-142	P9F2617	06-27-2009
Isovaleraldehyde	0.45	0.4535	IH10	ug, Total	101%	66-144	P9F2617	06-27-2009
Valeraldehyde	0.45	0.4724	IH10	ug, Total	105%	66-144	P9F2617	06-27-2009
o-Tolualdehyde	0.45	0.4861	IH11	ug, Total	108%	39-130	P9F2617	06-27-2009
m-Tolualdehyde	0.45	0.4576	IH10	ug, Total	102%	73-143	P9F2617	06-27-2009
p-Tolualdehyde	0.45	0.4253	IH10	ug, Total	95%	66-147	P9F2617	06-27-2009
Hexaldehyde	0.45	0.4681	IH10	ug, Total	104%	65-145	P9F2617	06-27-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4383	IH10	ug, Total	97%	75-144	P9F2617	06-27-2009

Inorganic Acids by NIOSH 7903 (Modified)

P9F2706-BS1

Hydrochloric Acid	10.3	10.76	IH10	ug, Total	104%	70-130	P9F2706	06-27-2009
Hydrofluoric Acid	10.5	9.328	IH10	ug, Total	89%	70-130	P9F2706	06-27-2009

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)												
P9F2617-BSD1												
Formaldehyde		0.5300	IH11	ug, Total	0.45	118%	22-134	0.625	20	P9F2617		06-27-2009
Acetaldehyde		0.4913	IH11	ug, Total	0.45	109%	51-142	1.19	20	P9F2617		06-27-2009
Acrolein		0.1692	IH10, L2	ug, Total	0.45	38%	75-125	0.589	20	P9F2617		06-27-2009
Acetone		0.9243	IH11, L1	ug, Total	0.45	205%	75-125	0.604	20	P9F2617		06-27-2009
Propionaldehyde		0.7680	IH10, L1	ug, Total	0.45	171%	67-145	2.32	20	P9F2617		06-27-2009
Crotonaldehyde		0.3530	IH10	ug, Total	0.45	78%	66-146	1.66	20	P9F2617		06-27-2009
Butyraldehyde		0.5191	IH11	ug, Total	0.45	115%	56-141	0.5	20	P9F2617		06-27-2009
Benzaldehyde		0.4672	IH10	ug, Total	0.45	104%	57-142	0.385	20	P9F2617		06-27-2009
Isovaleraldehyde		0.4598	IH10	ug, Total	0.45	102%	66-144	1.38	20	P9F2617		06-27-2009
Valeraldehyde		0.4782	IH10	ug, Total	0.45	106%	66-144	1.22	20	P9F2617		06-27-2009
o-Tolualdehyde		0.4878	IH11	ug, Total	0.45	108%	39-130	0.349	20	P9F2617		06-27-2009
m-Tolualdehyde		0.4572	IH10	ug, Total	0.45	102%	73-143	0.0875	20	P9F2617		06-27-2009
p-Tolualdehyde		0.4309	IH10	ug, Total	0.45	96%	66-147	1.31	20	P9F2617		06-27-2009
Hexaldehyde		0.4796	IH10	ug, Total	0.45	107%	65-145	2.43	20	P9F2617		06-27-2009
2,5-Dimethyl Benzaldehyde		0.4436	IH10	ug, Total	0.45	99%	75-144	1.2	20	P9F2617		06-27-2009
Inorganic Acids by NIOSH 7903 (Modified)												
P9F2706-BSD1												
Hydrochloric Acid		10.12	IH10	ug, Total	10.3	98%	70-130	6.13	30	P9F2706		06-27-2009
Hydrofluoric Acid		9.019	IH10	ug, Total	10.5	86%	70-130	3.37	30	P9F2706		06-27-2009

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CERTIFICATION SUMMARY

Analyses included in this report were performed by TestAmerica Phoenix, 4625 E. Cotton Center Boulevard, Building 3, Suite 189, Phoenix, AZ 85040.

TestAmerica Phoenix (Lab ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation for the following methods: NIOSH 0500, NIOSH 0600, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1010, NIOSH 1015, NIOSH 1022, NIOSH 1300, NIOSH 1400, NIOSH 1401, NIOSH 1403, NIOSH 1405, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1550, NIOSH 1602, NIOSH 1604, NIOSH 1606, NIOSH 1609, NIOSH 1611, NIOSH, 1613, NIOSH 1615, NIOSH 2000, NIOSH 2532, NIOSH 2546, NIOSH 2551, NIOSH 5000, NIOSH 5503, NIOSH 5506, NIOSH 5600, NIOSH 6001, NIOSH 6006, NIOSH 6009, NIOSH 6010, NIOSH 7300, NIOSH 7600, NIOSH 7903, OSHA 7, OSHA 42, OSHA 47, OSHA 48, OSHA 64, OSHA 69, OSHA 111, OSHA ID-140, OSHA ID-121, OSHA 1001, OSHA 1002, OSHA 1003, OSHA 1004, OSHA 1005 and OSHA Chemical and Sampling Information for Silane. Volatile organic compounds on 3M Organic Vapor Monitors, Assay Technology Passive Monitors and SKC Passive Monitors. Formaldehyde and other aldehydes and ketones on Assay Technology Passive Monitor. Aldehydes and ketones by EPA TO-11A.

The TestAmerica Phoenix is also licensed through the State of Arizona (AZ0728) for EPA method TO-15.

TestAmerica Phoenix also holds NELAC accreditation through the State of Oregon (AZ100001) for the analytical techniques noted on the scope of accreditation and the State of New York (11898) for NIOSH 6009.

Samples were analyzed using methods outlined in references such as:

-OSHA - Occupational Safety and Health Administration, U. S. Department of Labor, OSHA Analytical Methods Manual.
-NIOSH - National Institute for Occupational Safety and Health, U. S. Department of Health and Human Services, NIOSH Manual of Analytical Methods, Fourth Edition, 1994, and Updates. NIOSH Method 7300 analyses are performed using a modified digestion procedure to eliminate the use of perchloric acid.
-EPA - U. S. Environmental Protection Agency, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.
-EPA - U. S. Environmental Protection Agency, Analytical Methods, Emission Measurement Center (EMC).

Analytical Comments:

Unless otherwise noted, all method blanks and laboratory control spikes met method and/or laboratory quality control objectives for the analyses included in this report.

Unless otherwise noted, sample results have been corrected for method blank values.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

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DATA QUALIFIERS AND DEFINITIONS

IH10	Target analyte was not detected in the method blank at or above the reporting limit. The QC samples and client sample(s) were not blank corrected.
IH11	Target analyte was detected in the method blank at or above the reporting limit. The background was not subtracted from the QC samples or the client's sample(s).
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
L2	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
N1	See case narrative.
RL7	Sample required dilution due to high concentration of target analyte.

ADDITIONAL COMMENTS

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

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№ 5145

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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): Nick Iannaggi

Signature:

Sample I.D. No.	Type Comp	Type Grab	Date	Time min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method: HF	HCl	NIOSH 7903	Expected Conc. (H,M,L)	Hold	Remarks: Flow Rate l/min
C061509-01H			6/15/09	480	Cell Tower	1		X	X	X	-01		0.323 l/min
C061509-02H			6/15/09	480	Cell Tower	1		X	X	X	-02		0.330 "
C061509-03H			6/15/09	480	Cell Tower	1		X	X	X	-03		0.323 "
G061509-01H			6/15/09	480	Campground	1		X	X	X	-04		0.243 l/min
G061509-02H			6/15/09	480	Campground	1		X	X	X	-05		0.242 "
G061509-03H			6/15/09	480	Campground	1		X	X	X	-06		0.244 "
S061509-01H			6/15/09	480	School	1		X	X	X	-07		0.240 l/min
S061509-02H			6/15/09	480	School	1		X	X	X	-08		0.411 "
S061509-03H			6/15/09	480	School	1		X	X	X	-09		0.359 "
W061509-01H			6/15/09	480	Wetland	1		X	X	X	-10		0.311 l/min
W061509-02H			6/15/09	480	Wetland	1		X	X	X	-11		0.334 "
W061509-03H			6/15/09	480	Wetland	1		X	X	X	-12		0.294 "
061509A-H			6/15/09	—	Field Blank	1		X	X	X	-13		No Flow Field Blank

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
	6/18/09 15:00						
Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
							6/19/09 10:30

Comments: 7.1°C

Distribution: White - File; Yellow - Lab

Custodian

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

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) 787-0100
Fax (216) 787-0199

10901 Reed Hartman Hwy, Ste. 201
Cincinnati, OH 45242
Phone (513) 936-9238 Fax (513) 936-9266

PSF1155

№ 5146

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7137

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

Project No.: 07-0082

Project Name: Countywide

Sampler (print): Nick Iannaggi

Signature: [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	Comp	Grab	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis: Aldehyde (Method TO-11)	Methane (TO-11)	Carbonyl (TO-11)	Expected Conc. (H,M,L)	Hold	Remarks: Flow Rate l/min
C061509-01A				6/15/09	480	Cell Tower	1		X	X	X	-14		0.452 l/min
C061509-02A				6/15/09	480	Cell Tower	1		X	X	X	-15		0.366 "
C061509-03A				6/15/09	480	Cell Tower	1		X	X	X	-16		0.450 "
G061509-01A				6/15/09	480	Campground	1		X	X	X	-17		0.284 l/min
G061509-02A				6/15/09	480	Campground	1		X	X	X	-18		0.244 "
G061509-03A				6/15/09	480	Campground	1		X	X	X	-19		0.312 "
S061509-01A				6/15/09	480	School	1		X	X	X	-20		0.246 l/min
S061509-02A				6/15/09	480	School	1		X	X	X	-21		0.473 "
S061509-03A				6/15/09	480	School	1		X	X	X	-22		0.493 "
061509 W~~061509~~-01A				6/15/09	480	Wetland	1		X	X	X	-23		0.450 l/min
W061509-02A				6/15/09	480	Wetland	1		X	X	X	-24		0.449 "
W061509-03A				6/15/09	480	Wetland	1		X	X	X	-25		0.424 "
061509A-A				6/15/09		Field Blank	1		X	X	X	-26		No Flow Field Blank

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
[signature]	6/18/09 15:00						
Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
						[signature]	6/19/09 10:30

Comments:

7.1°C

Custody.

Distribution: White - File; Yellow - Lab