Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #27

August 12, 2009

APPENDIX A. Laboratory Analytical Results from Event #127:
Sampling conducted Sunday, June 21 to Monday, June 22.

***Access to the Cell Tower on Sunday, June 21, 2009 was locked; thus the Cell Tower Monitoring Unit was deployed on Monday, June 22, 2009, and ran through Tuesday, June 23, 2009.

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

Lawhon & Associates, Inc.

Client Sample ID: SU-C062209

GC/MS Volatiles

Lot-Sample # H9F250126 - 001 **Work Order #** LFKT81AA **Matrix.....:** AIR

Date Sampled...: 06/22/2009 **Date Received..:** 06/25/2009
Prep Date.....: 06/26/2009 **Analysis Date...** 06/27/2009
Prep Batch #.....: 9181148
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	**0.073**	**0.20**	**0.32**	**J**	**0.87**
Trichlorofluoromethane	**0.38**	**0.20**	**2.1**		**1.1**
n-Heptane	ND	0.50	ND		2.0
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.24**	**0.50**	**0.86**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.061**	**0.50**	**0.29**	**J**	**2.3**
tert-Butyl alcohol	**0.17**	**2.0**	**0.50**	**J**	**6.1**
Methylene chloride	**0.27**	**0.50**	**0.93**	**J**	**1.7**
Benzene	**0.20**	**0.20**	**0.64**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.56**	**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	**0.10**	**0.20**	**0.80**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.085**	**0.20**	**0.37**	**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)	**1.7**	**1.0**	**5.1**		**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	**0.098**	**0.50**	**0.31**	**J**	**1.6**
Carbon tetrachloride	**0.13**	**0.20**	**0.82**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C062209

GC/MS Volatiles

Lot-Sample # H9F250126 - 001 **Work Order #** LFKT81AA **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	**1.1**	**0.50**	**2.4**	**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	**0.61**	**0.20**	**3.0**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	125	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-G062109

GC/MS Volatiles

Lot-Sample #	H9F250126 - 002	**Work Order #**	LFKVD1AA	**Matrix.....:**	AIR

Date Sampled...:	06/21/2009	**Date Received..:**	06/25/2009
Prep Date.....:	06/29/2009	**Analysis Date...**	06/29/2009
Prep Batch #.....:	9182181		
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	**14**	**5.0**	**34**		**12**
Ethylbenzene	**4.1**	**0.20**	**18**		**0.87**
Trichlorofluoromethane	**0.28**	**0.20**	**1.6**		**1.1**
n-Heptane	**1.4**	**0.50**	**5.6**		**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.52**	**0.50**	**1.8**		**1.8**
2,2,4-Trimethylpentane	**12**	**0.50**	**55**		**2.3**
tert-Butyl alcohol	**0.22**	**2.0**	**0.66**	**J**	**6.1**
Methylene chloride	**1.0**	**0.50**	**3.5**		**1.7**
Benzene	**0.28**	**0.20**	**0.91**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**4.5**	**0.20**	**17**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.086**	**0.20**	**0.66**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.90**	**0.20**	**4.4**		**0.98**
1,3,5-Trimethylbenzene	**5.5**	**0.20**	**27**		**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**16**	**0.20**	**71**		**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**9.1**	**0.20**	**40**		**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)	**0.65**	**0.50**	**2.7**		**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	**0.076**	**0.20**	**0.29**	**J**	**0.78**
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	**3.2**	**0.40**	**16**		**2.0**
Carbon disulfide	**0.099**	**0.50**	**0.31**	**J**	**1.6**
Carbon tetrachloride	**0.080**	**0.20**	**0.50**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G062109

GC/MS Volatiles

Lot-Sample # H9F250126 - 002 **Work Order #** LFKVD1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.73**	**0.50**	**1.5**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.27**	**0.50**	**0.94**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	**0.069**	**0.20**	**0.42**	**J**	**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	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-S062109

GC/MS Volatiles

Lot-Sample #	H9F250126 - 003	**Work Order #**	LFKVG1AA	**Matrix.....:**	AIR

Date Sampled...:	06/21/2009	**Date Received..:**	06/25/2009
Prep Date.....:	06/29/2009	**Analysis Date...**	06/29/2009
Prep Batch #.....:	9182181		
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	**0.076**	**0.20**	**0.33**	**J**	**0.87**
Trichlorofluoromethane	**0.40**	**0.20**	**2.3**		**1.1**
n-Heptane	**0.28**	**0.50**	**1.1**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.50**	**0.50**	**1.8**		**1.8**
2,2,4-Trimethylpentane	**0.063**	**0.50**	**0.30**	**J**	**2.3**
tert-Butyl alcohol	**0.17**	**2.0**	**0.53**	**J**	**6.1**
Methylene chloride	**1.8**	**0.50**	**6.2**		**1.7**
Benzene	**0.20**	**0.20**	**0.62**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.52**	**0.20**	**1.9**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.076**	**0.20**	**0.58**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.082**	**0.20**	**0.40**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.094**	**0.20**	**0.41**	**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)	**1.8**	**1.0**	**5.2**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.14**	**0.50**	**0.57**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.13**	**0.50**	**0.42**	**J**	**1.6**
Carbon tetrachloride	**0.086**	**0.20**	**0.54**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S062109

GC/MS Volatiles

Lot-Sample # H9F250126 - 003 **Work Order #** LFKVG1AA **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	**0.69**	**0.50**	**1.4**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.045**	**0.50**	**0.16**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.51**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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-W062109

GC/MS Volatiles

Lot-Sample # H9F250126 - 004 **Work Order #** LFKVH1AA **Matrix.....:** AIR

Date Sampled...: 06/21/2009 **Date Received..:** 06/25/2009
Prep Date.....: 06/29/2009 **Analysis Date...** 06/30/2009
Prep Batch #.....: 9182181
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	**28**	**5.0**	**67**		**12**
Ethylbenzene	**0.077**	**0.20**	**0.33**	**J**	**0.87**
Trichlorofluoromethane	**0.41**	**0.20**	**2.3**		**1.1**
n-Heptane	**0.44**	**0.50**	**1.8**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.45**	**0.50**	**1.6**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.052**	**0.50**	**0.24**	**J**	**2.3**
tert-Butyl alcohol	**0.30**	**2.0**	**0.91**	**J**	**6.1**
Methylene chloride	**1.4**	**0.50**	**4.7**		**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	**0.64**	**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	**0.076**	**0.20**	**0.58**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.088**	**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	**0.091**	**0.20**	**0.40**	**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)	**3.3**	**1.0**	**9.8**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.24**	**0.50**	**0.99**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	**0.069**	**0.20**	**0.27**	**J**	**0.78**
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.15**	**0.50**	**0.46**	**J**	**1.6**
Carbon tetrachloride	**0.091**	**0.20**	**0.57**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W062109

GC/MS Volatiles

Lot-Sample # H9F250126 - 004 **Work Order #** LFKVH1AA **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	**0.19**	**0.20**	**0.50**	**J**	**0.53**
Chloroform	**0.32**	**0.20**	**1.6**		**0.98**
Chloromethane	**2.0**	**0.50**	**4.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.066**	**0.50**	**0.23**	**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	**0.54**	**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	102	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-COC062209

GC/MS Volatiles

Lot-Sample #	H9F250126 - 005	**Work Order #**	LFKVL1AA	**Matrix.....:**	AIR

Date Sampled...:	06/22/2009	**Date Received..:**	06/25/2009
Prep Date.....:	06/29/2009	**Analysis Date...**	06/30/2009
Prep Batch #.....:	9182181		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**8.9**	**5.0**	**21**		**12**
Ethylbenzene	**0.11**	**0.20**	**0.49**	**J**	**0.87**
Trichlorofluoromethane	**0.28**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.26**	**0.50**	**1.1**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.29**	**0.50**	**1.0**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.044**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	**0.22**	**2.0**	**0.68**	**J**	**6.1**
Methylene chloride	**0.72**	**0.50**	**2.5**		**1.7**
Benzene	**0.33**	**0.20**	**1.0**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.21**	**1.0**	**0.61**	**J**	**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	**0.077**	**0.20**	**0.59**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.10**	**0.20**	**0.50**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.15**	**0.20**	**0.63**	**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)	**1.0**	**1.0**	**3.0**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.17**	**0.50**	**0.68**	**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	**0.10**	**0.40**	**0.22**	**J**	**0.88**
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.047**	**0.50**	**0.14**	**J**	**1.6**
Carbon tetrachloride	**0.092**	**0.20**	**0.58**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COC062209

GC/MS Volatiles

Lot-Sample # H9F250126 - 005 **Work Order #** LFKVL1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	**0.15**	**0.20**	**0.39**	**J**	**0.53**
Chloroform	**0.039**	**0.20**	**0.19**	**J**	**0.98**
Chloromethane	**1.0**	**0.50**	**2.1**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.49**	**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	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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9F300000 - 148B **Work Order #** LFT7C1AA **Matrix.....:** AIR

06/22/2009 **Date Received..:** 06/25/2009
Prep Date.....: 06/26/2009 **Analysis Date...** 06/26/2009
Prep Batch #.....: 9181148
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 # H9F300000 - 148B **Work Order #** LFT7C1AA **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	120	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 # H9F300000 - 148C **Work Order #** LFT7C1AC **Matrix.....:** AIR

	06/22/2009	**Date Received..:**	06/25/2009
Prep Date.....:	06/26/2009	**Analysis Date...**	06/26/2009
Prep Batch #.....:	9181148		
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	2.50	2.87	11	13	115	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.50	3.06	17	21	122	60 - 140
Acetone	2.50	3.30	5.9	7.8	132	60 - 140
Ethylbenzene	2.50	2.62	11	11	105	70 - 130
Trichlorofluoromethane	2.50	2.97	14	17	119	60 - 140
n-Heptane	2.50	2.69	10	11	108	70 - 130
Hexachlorobutadiene	2.50	1.92	27	20	77	60 - 140
n-Hexane	2.50	2.66	8.8	9.4	106	70 - 130
2,2,4-Trimethylpentane	2.50	2.66	12	12	107	70 - 130
tert-Butyl alcohol	2.50	2.90	7.6	8.8	116	60 - 140
Methylene chloride	2.50	2.44	8.7	8.5	98	70 - 130
Benzene	2.50	2.40	8.0	7.7	96	70 - 130
Styrene	2.50	2.45	11	10	98	70 - 130
1,1,2,2-Tetrachloroethane	2.50	2.60	17	18	104	70 - 130
Tetrachloroethene	2.50	2.94	17	20	118	70 - 130
Tetrahydrofuran	2.50	3.04	7.4	9.0	122	70 - 130
Toluene	2.50	2.66	9.4	10	107	70 - 130
1,2,4-Trichlorobenzene	2.50	2.14	19	16	85	60 - 140
1,1,1-Trichloroethane	2.50	2.93	14	16	117	70 - 130
1,1,2-Trichloroethane	2.50	2.88	14	16	115	70 - 130
Trichloroethene	2.50	2.78	13	15	111	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.50	2.79	19	21	112	70 - 130
1,2,4-Trimethylbenzene	2.50	2.39	12	12	95	70 - 130
1,3,5-Trimethylbenzene	2.50	2.54	12	12	102	70 - 130
Vinyl chloride	2.50	2.83	6.4	7.2	113	70 - 130
o-Xylene	2.50	2.62	11	11	105	70 - 130
Methyl tert-butyl ether	2.50	2.73	9.0	9.9	109	60 - 140
m-Xylene & p-Xylene	5.00	5.27	22	23	105	70 - 130
Bromodichloromethane	2.50	2.94	17	20	117	70 - 130
1,2-Dibromoethane (EDB)	2.50	2.71	19	21	108	70 - 130
2-Butanone (MEK)	2.50	2.67	7.4	7.9	107	60 - 140
4-Methyl-2-pentanone (MIBK)	2.50	2.72	10	11	109	60 - 140
Vinyl bromide	2.50	2.56	11	11	102	60 - 140
Bromoform	2.50	2.48	26	26	99	70 - 130
Bromomethane	2.50	2.53	9.7	9.8	101	70 - 130
1,3-Butadiene	2.50	3.08	5.5	6.8	123	60 - 140
4-Ethyltoluene	2.50	2.44	12	12	98	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9F300000 - 148C **Work Order #** LFT7C1AC **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	2.50	2.78	7.8	8.6	111	70 - 130
Carbon tetrachloride	2.50	3.06	16	19	122	70 - 130
Chlorobenzene	2.50	2.71	12	12	108	70 - 130
Dibromochloromethane	2.50	2.79	21	24	111	70 - 130
Chloroethane	2.50	2.50	6.6	6.6	100	70 - 130
Chloroform	2.50	2.96	12	14	118	70 - 130
Chloromethane	2.50	3.46	5.2	7.1	138	60 - 140
3-Chloropropene	2.50	2.84	7.8	8.9	113	70 - 130
2-Chlorotoluene	2.50	2.36	13	12	95	70 - 130
Cyclohexane	2.50	3.01	8.6	10	121	70 - 130
1,2-Dichlorobenzene	2.50	2.42	15	15	97	70 - 130
1,3-Dichlorobenzene	2.50	2.24	15	13	89	70 - 130
1,4-Dichlorobenzene	2.50	2.30	15	14	92	70 - 130
Dichlorodifluoromethane	2.50	2.84	12	14	114	60 - 140
1,1-Dichloroethane	2.50	2.62	10	11	105	70 - 130
1,2-Dichloroethane	2.50	2.84	10	11	113	70 - 130
1,1-Dichloroethene	2.50	2.48	9.9	9.9	99	70 - 130
cis-1,2-Dichloroethene	2.50	2.35	9.9	9.3	94	70 - 130
trans-1,2-Dichloroethene	2.50	2.74	9.9	11	109	70 - 130
1,2-Dichloropropane	2.50	2.58	12	12	103	70 - 130
cis-1,3-Dichloropropene	2.50	2.54	11	12	102	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	93	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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9G010000 - 181B	**Work Order #**	LFW6P1AA	**Matrix.....:**	AIR
	06/21/2009	**Date Received..:**	06/25/2009		
Prep Date.....:	06/29/2009	**Analysis Date...**	06/29/2009		
Prep Batch #.....:	9182181				
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 # H9G010000 - 181B **Work Order #** LFW6P1AA **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	100	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 # H9G010000 - 181C **Work Order #** LFW6P1AC **Matrix.....:** AIR

	06/21/2009	**Date Received..:**	06/25/2009
Prep Date.....:	06/29/2009	**Analysis Date...**	06/29/2009
Prep Batch #.....:	9182181		
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	11.7	57	53	94	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	12.5	11.7	87	82	94	60 - 140
Acetone	12.5	10.3	30	24	82	60 - 140
Ethylbenzene	12.5	10.6	54	46	85	70 - 130
Trichlorofluoromethane	12.5	11.3	70	63	90	60 - 140
n-Heptane	12.5	12.1	51	50	97	70 - 130
Hexachlorobutadiene	12.5	8.17	130	87	65	60 - 140
n-Hexane	12.5	12.2	44	43	98	70 - 130
2,2,4-Trimethylpentane	12.5	11.4	58	53	91	70 - 130
tert-Butyl alcohol	12.5	10.7	38	33	86	60 - 140
Methylene chloride	12.5	9.86	43	34	79	70 - 130
Benzene	12.5	11.0	40	35	88	70 - 130
Styrene	12.5	11.8	53	50	94	70 - 130
1,1,2,2-Tetrachloroethane	12.5	10.4	86	71	83	70 - 130
Tetrachloroethene	12.5	10.6	85	72	84	70 - 130
Tetrahydrofuran	12.5	12.4	37	37	99	70 - 130
Toluene	12.5	11.1	47	42	89	70 - 130
1,2,4-Trichlorobenzene	12.5	7.45	93	55	60	60 - 140
1,1,1-Trichloroethane	12.5	11.7	68	64	94	70 - 130
1,1,2-Trichloroethane	12.5	11.4	68	62	91	70 - 130
Trichloroethene	12.5	10.3	67	56	83	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	12.5	11.2	96	86	90	70 - 130
1,2,4-Trimethylbenzene	12.5	10.2	61	50	82	70 - 130
1,3,5-Trimethylbenzene	12.5	10.4	61	51	83	70 - 130
Vinyl chloride	12.5	12.0	32	31	96	70 - 130
o-Xylene	12.5	10.5	54	46	84	70 - 130
Methyl tert-butyl ether	12.5	11.3	45	41	91	60 - 140
m-Xylene & p-Xylene	25.0	21.6	110	94	86	70 - 130
Bromodichloromethane	12.5	11.4	84	76	91	70 - 130
1,2-Dibromoethane (EDB)	12.5	11.5	96	88	92	70 - 130
2-Butanone (MEK)	12.5	9.95	37	29	80	60 - 140
4-Methyl-2-pentanone (MIBK)	12.5	12.1	51	49	97	60 - 140
Vinyl bromide	12.5	10.7	55	47	86	60 - 140
Bromoform	12.5	11.7	130	120	94	70 - 130
Bromomethane	12.5	10.8	49	42	87	70 - 130
1,3-Butadiene	12.5	12.9	28	28	103	60 - 140
4-Ethyltoluene	12.5	10.4	61	51	84	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9G010000 - 181C Work Order # LFW6P1AC 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	11.1	39	35	89	70 - 130
Carbon tetrachloride	12.5	9.70	79	61	78	70 - 130
Chlorobenzene	12.5	11.0	58	51	88	70 - 130
Dibromochloromethane	12.5	12.4	110	110	99	70 - 130
Chloroethane	12.5	11.1	33	29	89	70 - 130
Chloroform	12.5	11.2	61	55	89	70 - 130
Chloromethane	12.5	13.4	26	28	107	60 - 140
3-Chloropropene	12.5	13.1	39	41	105	70 - 130
2-Chlorotoluene	12.5	10.3	65	53	82	70 - 130
Cyclohexane	12.5	11.2	43	39	90	70 - 130
1,2-Dichlorobenzene	12.5	8.85	75	53	71	70 - 130
1,3-Dichlorobenzene	12.5	9.37	75	56	75	70 - 130
1,4-Dichlorobenzene	12.5	9.21	75	55	74	70 - 130
Dichlorodifluoromethane	12.5	12.0	62	59	96	60 - 140
1,1-Dichloroethane	12.5	11.6	51	47	92	70 - 130
1,2-Dichloroethane	12.5	12.0	51	49	96	70 - 130
1,1-Dichloroethene	12.5	10.8	50	43	86	70 - 130
cis-1,2-Dichloroethene	12.5	10.7	50	43	86	70 - 130
trans-1,2-Dichloroethene	12.5	11.0	50	43	88	70 - 130
1,2-Dichloropropane	12.5	13.4	58	62	108	70 - 130
cis-1,3-Dichloropropene	12.5	11.9	57	54	95	70 - 130

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

HYF250126

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

~~929~~ 975 Eastwind Drive, Suite ~~277~~ 190
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

2115 Freeman Avenue
Cleveland, OH 44115
Phone: (216) 787-0100
Fax: (216) 737-0109

№ 8503

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7159
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 Iannuzzi and Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method	VOC / TO-15	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C062209				6/22/09	1440	Cell Tower	1			X			1152
SU-G062109				6/21/09	1440	Campground	1			X			6369
SU-S062109				6/21/09	1440	School	1			X			7474
SU-W062109				6/21/09	1440	Wetland	1			X			04392
SU-COC062209				6/22/09	1440	Co-located Cell Tower	1			X			6117

custody seal intact
rec. at ambient temp
1 box
Fed ex #8694 2482 7159
6 cans | 6 flows
DGY 6/25/09

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	6/24/09 13:00	Daniel Yates	6/25/09 10:00				
	6/24/09 1900						

Comments:

Distributor: White - File; Yellow - Lab

179F250126

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: Nick Iannaggi + 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-C062209	6/22/09	*15:00	*15:00	-29.0	-6	K131	1132	X											
SU-G062109	6/21/09	15:00	15:00	-29.5	-4.5	K464	6369	X											
SU-S062109	6/21/09	15:00	15:00	-28.5	-3.5	K188	7474	X											
SU-W062109	6/21/09	15:00	15:00	-29.0	-6	K137	04392	X											
SU-COC062209	6/22/09	*15:00	*15:00	-30.0	-6	K423	6117	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
* Sampling units were started at 15:00 on 6-22-09 instead of 6-21-09 at 15:00 because access gate to the landfill was closed. * Units completed on 6-23-09 instead of 6-22-09.
- Return can 93279, did not use.

Canisters Shipped by:	Date/Time: 6/24/09 13:00	Canisters Received by:	6/25/09 10:00
Samples Relinquished by:	Date/Time: 6-24-09 0900	Received by:	
Relinquished by:	Date/Time:	Received by:	

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** 1495250126

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

Quote #: 82675 PM Instructions: _____

Sample Receiving Associate: David Yoder Date: 6/25/09

QA026R20.doc, 060409

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

July 09, 2009

LABORATORY REPORT

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

Work Order: PSF1345
Project Name: Countywide - Ambient Air
Project Number: Countywide / 07-0082
Date Received: 06/25/09

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 6°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

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

Work Order: PSF1345
Project: Countywide - Ambient Air
Project Number: Countywide / 07-0082

Received: 06/25/09
Reported: 07/09/09 09:29

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C062209-01A	PSF1345-01	06/22/09	DNPH Silica Gel Tube, 450 mg
C062209-02A	PSF1345-02	06/22/09	DNPH Silica Gel Tube, 450 mg
C062209-03A	PSF1345-03	06/22/09	DNPH Silica Gel Tube, 450 mg
G062109-01A	PSF1345-04	06/21/09	DNPH Silica Gel Tube, 450 mg
G062109-02A	PSF1345-05	06/21/09	DNPH Silica Gel Tube, 450 mg
G062109-03A	PSF1345-06	06/21/09	DNPH Silica Gel Tube, 450 mg
S062109-01A	PSF1345-07	06/21/09	DNPH Silica Gel Tube, 450 mg
S062109-02A	PSF1345-08	06/21/09	DNPH Silica Gel Tube, 450 mg
S062109-03A	PSF1345-09	06/21/09	DNPH Silica Gel Tube, 450 mg
W062109-01A	PSF1345-10	06/21/09	DNPH Silica Gel Tube, 450 mg
W062109-02A	PSF1345-11	06/21/09	DNPH Silica Gel Tube, 450 mg
W062109-03A	PSF1345-12	06/21/09	DNPH Silica Gel Tube, 450 mg
062109A-A	PSF1345-13	06/21/09	DNPH Silica Gel Tube, 450 mg
C062209-01H	PSF1345-14	06/22/09	Silica Gel tube, 200/400 mg Specially cleaned
C062209-02H	PSF1345-15	06/22/09	Silica Gel tube, 200/400 mg Specially cleaned
C062209-03H	PSF1345-16	06/22/09	Silica Gel tube, 200/400 mg Specially cleaned
G062109-01H	PSF1345-17	06/21/09	Silica Gel tube, 200/400 mg Specially cleaned
G062109-02H	PSF1345-18	06/21/09	Silica Gel tube, 200/400 mg Specially cleaned
G062109-03H	PSF1345-19	06/21/09	Silica Gel tube, 200/400 mg Specially cleaned
S062109-01H	PSF1345-20	06/21/09	Silica Gel tube, 200/400 mg Specially cleaned
S062109-02H	PSF1345-21	06/21/09	Silica Gel tube, 200/400 mg Specially cleaned
S062109-03H	PSF1345-22	06/21/09	Silica Gel tube, 200/400 mg Specially cleaned
W062109-01H	PSF1345-23	06/21/09	Silica Gel tube, 200/400 mg Specially cleaned
W062109-02H	PSF1345-24	06/21/09	Silica Gel tube, 200/400 mg Specially cleaned
W062109-03H	PSF1345-25	06/21/09	Silica Gel tube, 200/400 mg Specially cleaned
062109A-H	PSF1345-26	06/21/09	Silica Gel tube, 200/400 mg Specially cleaned

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSF1345 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 06/25/09 Reported: 07/09/09 09:29	

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified)								
Sample ID: PSF1345-01 (C062209-01A)		**Tube**		**Sample Air Volume:214.56L**				**Sampled: 06/22/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0785	0.0003659	0.00006667	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.45	0.0254	0.0141	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.182	0.0008482	0.0004708	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.27	0.02456	0.01363	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetone	1.74	0.00811	0.003414	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.708	0.0033	0.001389	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.03	0.004801	0.002021	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001398	<0.00006098	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.487	0.00227	0.000523	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.63	0.007597	0.002576	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.236	0.0011	0.0003729	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.39	0.006478	0.002197	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.210	0.0009787	0.0003414	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Back (e)	0.0542	0.0002526	0.00008812	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Front	0.156	0.0007271	0.0002536	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.58	0.01202	0.00979	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0834	0.0003887	0.0003165	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.50	0.01165	0.009487	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.23	0.01039	0.002537	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.435	0.002027	0.0005755	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.205	0.0009554	0.0001944	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.359	0.001673	0.0003405	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.993	0.004628	0.001948	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0393	0.0001832	0.00007711	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.954	0.004446	0.001872	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001398	<0.00002845	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.688	0.003207	0.0009103	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1345-02 (C062209-02A)		**Tube**		**Sample Air Volume:173.76L**				**Sampled: 06/22/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.462	0.002659	0.0004845	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.42	0.008172	0.004536	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.113	0.0006503	0.000361	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.31	0.007539	0.004185	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetone	0.346	0.001991	0.0008383	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001727	<0.0000753	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.240	0.001381	0.0003182	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.368	0.002118	0.0007181	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0494	0.0002843	0.0000964	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.319	0.001836	0.0006225	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.107	0.0006158	0.0002148	IH10	7/2/2009	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: PSF1345 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 06/25/09 Reported: 07/09/09 09:29	

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: PSF1345-02 (C062209-02A) - cont.		**Tube**	**Sample Air Volume:173.76L**				**Sampled: 06/22/09**	
Crotonaldehyde - Back (e)	0.0444	0.0002555	0.00008914	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Front	0.0626	0.0003603	0.0001257	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.02	0.00587	0.004779	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0711	0.0004092	0.0003332	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.946	0.005444	0.004433	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.751	0.004322	0.001055	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001727	<0.00004901	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.109	0.0006273	0.0001277	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.169	0.0009726	0.0001979	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.333	0.001916	0.0008068	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back (e)	0.0408	0.0002348	0.00009885	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.292	0.00168	0.0007074	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001727	<0.00003513	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.236	0.001358	0.0003856	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1345-03 (C062209-03A)		**Tube**	**Sample Air Volume:220.32L**				**Sampled: 06/22/09**	
2,5-Dimethyl Benzaldehyde	0.0752	0.0003413	0.00006219	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.60	0.02542	0.01411	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0757	0.0003436	0.0001907	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.52	0.02505	0.01391	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetone	2.42	0.01098	0.004624	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.370	0.001679	0.000707	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.05	0.009305	0.003917	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	0.0919	0.0004171	0.0001819	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.369	0.001675	0.0003859	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.41	0.0064	0.00217	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0413	0.0001875	0.00006356	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.37	0.006218	0.002108	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.206	0.000935	0.0003262	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Back (e)	0.0413	0.0001875	0.00006539	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Front	0.165	0.0007489	0.0002612	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.22	0.01008	0.008204	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0715	0.0003245	0.0002642	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.15	0.009759	0.007945	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.70	0.007716	0.001884	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001362	<0.00003865	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.175	0.0007943	0.0001616	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.344	0.001561	0.0003177	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.840	0.003813	0.001605	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001362	<0.00002771	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.547	0.002483	0.0007048	IH10	7/2/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSF1345-04 (G062109-01A) **Tube** **Sample Air Volume:137.76L** **Sampled: 06/21/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.109	0.0007912	0.0001442	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.42	0.03934	0.02184	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0792	0.0005749	0.0003191	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.34	0.03876	0.02152	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetone	2.43	0.01764	0.007426	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.656	0.004762	0.002005	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.77	0.01285	0.005409	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002178	<0.00009497	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.507	0.00368	0.0008479	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.64	0.0119	0.004036	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.124	0.0009001	0.0003052	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.52	0.01103	0.003741	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.208	0.00151	0.0005267	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	4.29	0.03114	0.02535	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0673	0.0004885	0.0003978	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	4.22	0.03063	0.02494	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.18	0.01582	0.003863	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.564	0.004094	0.001162	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.190	0.001379	0.0002807	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.240	0.001742	0.0003545	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.01	0.007332	0.003086	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002178	<0.00004432	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.668	0.004849	0.001377	IH10	7/2/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF1345-05 (G062109-02A) **Tube** **Sample Air Volume:105.6L** **Sampled: 06/21/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0800	0.0007576	0.000138	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.28	0.01212	0.006728	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0563	0.0005331	0.0002959	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.22	0.01155	0.006413	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetone	0.512	0.004848	0.002041	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002841	<0.0001239	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.303	0.002869	0.0006611	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.387	0.003665	0.001243	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0604	0.000572	0.0001939	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.327	0.003097	0.00105	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0607	0.0005748	0.0002005	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.08	0.01023	0.008327	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0695	0.0006581	0.0005359	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.01	0.009564	0.007787	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.955	0.009044	0.002208	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.132	0.00125	0.0003548	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.122	0.001155	0.0002351	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.141	0.001335	0.0002717	IH10	7/2/2009	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: PSF1345-05 (G062109-02A) - cont.	**Tube**		**Sample Air Volume:105.6L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Propionaldehyde	0.272	0.002576	0.001084	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002841	<0.00005781	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.321	0.00304	0.0008629	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1345-06 (G062109-03A)	**Tube**		**Sample Air Volume:158.88L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0880	0.0005539	0.0001009	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.08	0.03827	0.02124	I10, IH11, RI	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0734	0.000462	0.0002564	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	6.01	0.03783	0.021	IH11, RL7	7/2/2009	zn	0.300	EPA TO-11A
Acetone	2.38	0.01498	0.006306	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.459	0.002889	0.001216	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.92	0.01208	0.005087	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001888	<0.00008235	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.544	0.003424	0.0007889	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.44	0.009063	0.003073	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.106	0.0006672	0.0002262	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.33	0.008371	0.002838	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.303	0.001907	0.0006653	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Back (e)	0.0797	0.0005016	0.000175	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Front	0.223	0.001404	0.0004896	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.76	0.02367	0.01927	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0825	0.0005193	0.0004228	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.68	0.02316	0.01886	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.94	0.01221	0.002981	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.381	0.002398	0.0006807	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.191	0.001202	0.0002446	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.303	0.001907	0.0003881	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.988	0.006219	0.002618	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001888	<0.00003842	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.568	0.003575	0.001015	IH10	7/2/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSF1345-07 (S062109-01A) **Tube** **Sample Air Volume:118.56L** **Sampled: 06/21/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	0.0506	0.0004268	0.00007777	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.40	0.03711	0.0206	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0732	0.0006174	0.0003427	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.33	0.03652	0.02027	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetone	1.78	0.01501	0.00632	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.471	0.003973	0.001672	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.31	0.01105	0.004651	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000253	<0.0001104	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.319	0.002691	0.0006199	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.11	0.009362	0.003174	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0968	0.0008165	0.0002768	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.01	0.008519	0.002888	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.102	0.0008603	0.0003001	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.87	0.01577	0.01284	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0758	0.0006393	0.0005205	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.79	0.0151	0.01229	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.55	0.01307	0.003191	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.268	0.00226	0.0006417	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.121	0.001021	0.0002077	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.215	0.001813	0.000369	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.644	0.005432	0.002287	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0309	0.0002606	0.0001097	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.613	0.00517	0.002177	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000253	<0.00005149	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.423	0.003568	0.001013	IH10	7/2/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF1345-08 (S062109-02A) **Tube** **Sample Air Volume:232.32L** **Sampled: 06/21/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	0.0658	0.0002832	0.00005161	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.59	0.006844	0.003799	IH11, IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.108	0.0004649	0.000258	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.48	0.006371	0.003536	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetone	0.435	0.001872	0.0007882	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001291	<0.00005632	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.261	0.001123	0.0002588	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.325	0.001399	0.0004743	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0411	0.0001769	0.00005998	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.284	0.001222	0.0004145	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0602	0.0002591	0.00009039	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.886	0.003814	0.003105	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0635	0.0002733	0.0002225	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.822	0.003538	0.002881	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.634	0.002729	0.0006662	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001291	<0.00003666	IH10	7/2/2009	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: PSF1345-08 (S062109-02A) - cont.	**Tube**		**Sample Air Volume:232.32L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
m-Tolualdehyde	0.114	0.0004907	0.00009986	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.131	0.0005639	0.0001147	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.263	0.001132	0.0004766	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001291	<0.00002628	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.193	0.0008308	0.0002358	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1345-09 (S062109-03A)	**Tube**		**Sample Air Volume:232.32L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.104	0.0004477	0.00008157	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.50	0.02798	0.01553	L7, IH10, IH	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.123	0.0005294	0.0002939	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	6.38	0.02746	0.01524	IH11, RL7	7/2/2009	zn	0.300	EPA TO-11A
Acetone	2.20	0.00947	0.003986	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.435	0.001872	0.0007882	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.77	0.007619	0.003207	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001291	<0.00005632	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.535	0.002303	0.0005306	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.39	0.005983	0.002029	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0888	0.0003822	0.0001296	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.30	0.005596	0.001897	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.198	0.0008523	0.0002973	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.92	0.01257	0.01023	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0799	0.0003439	0.00028	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.84	0.01222	0.009953	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.88	0.008092	0.001975	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.357	0.001537	0.0004362	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.210	0.0009039	0.0001839	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.453	0.00195	0.0003968	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.919	0.003956	0.001665	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001291	<0.00002628	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.555	0.002389	0.0006782	IH10	7/2/2009	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	Method
Sample ID: PSF1345-10 (W062109-01A)		**Tube**	**Sample Air Volume:225.12L**					**Sampled: 06/21/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0811	0.0003603	0.00006564	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.14	0.02727	0.01514	I10, IH11, RI	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.165	0.0007329	0.0004068	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.97	0.02652	0.01472	L7, IH11, IH	7/2/2009	zn	0.300	EPA TO-11A
Acetone	2.02	0.008973	0.003777	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.784	0.003483	0.001466	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.24	0.005508	0.002319	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001333	<0.00005812	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.605	0.002687	0.0006192	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.55	0.006885	0.002335	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.217	0.0009639	0.0003268	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.33	0.005908	0.002003	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.171	0.0007596	0.000265	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.38	0.01501	0.01222	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0742	0.0003296	0.0002684	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.31	0.0147	0.01197	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.50	0.01111	0.002711	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.561	0.002492	0.0007074	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Back	0.0333	0.0001479	0.00004199	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Front	0.528	0.002345	0.0006658	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.178	0.0007907	0.0001609	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.288	0.001279	0.0002603	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.04	0.00462	0.001945	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0324	0.0001439	0.00006059	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.01	0.004486	0.001889	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001333	<0.00002712	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.710	0.003154	0.0008953	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Sample ID: PSF1345-11 (W062109-02A)		**Tube**	**Sample Air Volume:225.12L**					**Sampled: 06/21/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0435	0.0001932	0.00003521	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.39	0.006174	0.003427	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0819	0.0003638	0.0002019	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.31	0.005819	0.00323	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetone	0.507	0.002252	0.0009481	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001333	<0.00005812	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.264	0.001173	0.0002702	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.368	0.001635	0.0005543	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0447	0.0001986	0.00006733	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.323	0.001435	0.0004865	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0638	0.0002834	0.00009886	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.908	0.004033	0.003284	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0618	0.0002745	0.0002235	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.846	0.003758	0.00306	IH11	7/2/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSF1345-11 (W062109-02A) - cont. **Tube** **Sample Air Volume:225.12L** **Sampled: 06/21/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hexaldehyde	0.738	0.003278	0.0008003	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.160	0.0007107	0.0002018	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.101	0.0004486	0.0000913	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.112	0.0004975	0.0001012	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.258	0.001146	0.0004825	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001333	<0.00002712	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.277	0.00123	0.0003493	IH10	7/2/2009	zn	0.0300	EPA TO-11A

Sample ID: PSF1345-12 (W062109-03A) **Tube** **Sample Air Volume:211.68L** **Sampled: 06/21/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.109	0.0005149	0.00009383	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	7.04	0.03326	0.01846	[10, IH11, RI	7/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.140	0.0006614	0.0003671	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	6.90	0.0326	0.01809	IH11, RL7	7/6/2009	zn	0.300	EPA TO-11A
Acetone	2.51	0.01186	0.004992	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.607	0.002868	0.001207	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.90	0.008976	0.003779	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001417	<0.00006181	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.632	0.002986	0.0006879	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.58	0.007464	0.002531	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.117	0.0005527	0.0001874	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.46	0.006897	0.002339	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.203	0.000959	0.0003345	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.63	0.01715	0.01396	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0794	0.0003751	0.0003054	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.55	0.01677	0.01365	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.40	0.01134	0.002768	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.523	0.002471	0.0007014	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.210	0.0009921	0.0002019	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.363	0.001715	0.000349	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.05	0.00496	0.002088	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0344	0.0001625	0.00003307	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.0667	0.0003151	0.00008945	IH10	7/2/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSF1345-13 (062109A-A) **Tube** **Sample Air Volume:L** **Sampled: 06/21/09**

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	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0801	--	--	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0304	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0497	--	--	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Acetone	<0.300	--	--	IH10	7/2/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	--	--	IH10, IH11	7/2/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.181	--	--	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0610	--	--	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.120	--	--	IH11	7/2/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	7/2/2009	zn	0.0300	EPA TO-11A

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

Inorganic Acids by NIOSH 7903 (Modified)

Sample ID: PSF1345-14 (C062209-01H) **Tube** **Sample Air Volume:138.72L** **Sampled: 06/22/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<1.79	<0.0129	<0.008653	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01485	<0.01815	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)

Sample ID: PSF1345-15 (C062209-02H) **Tube** **Sample Air Volume:144L** **Sampled: 06/22/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<1.79	<0.01243	<0.008336	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01431	<0.01748	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)

Sample ID: PSF1345-16 (C062209-03H) **Tube** **Sample Air Volume:146.4L** **Sampled: 06/22/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<1.79	<0.01223	<0.008199	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01407	<0.01719	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)

Sample ID: PSF1345-17 (G062109-01H) **Tube** **Sample Air Volume:115.2L** **Sampled: 06/21/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<1.79	<0.01554	<0.01042	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01788	<0.02185	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)

Sample ID: PSF1345-18 (G062109-02H) **Tube** **Sample Air Volume:108L** **Sampled: 06/21/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<1.79	<0.01657	<0.01111	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01907	<0.02331	IH10	7/7/2009	ZN	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: PSF1345-19 (G062109-03H)	**Tube**		**Sample Air Volume:112.32L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01594	<0.01069	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01834	<0.02241	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1345-20 (S062109-01H)	**Tube**		**Sample Air Volume:107.04L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	2.37	0.02214	0.01485	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01925	<0.02352	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1345-21 (S062109-02H)	**Tube**		**Sample Air Volume:185.76L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.009636	<0.006462	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01109	<0.01355	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1345-22 (S062109-03H)	**Tube**		**Sample Air Volume:161.76L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01107	<0.007421	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01273	<0.01556	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1345-23 (W062109-01H)	**Tube**		**Sample Air Volume:140.64L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01273	<0.008535	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01465	<0.0179	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1345-24 (W062109-02H)	**Tube**		**Sample Air Volume:153.12L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01169	<0.007839	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01345	<0.01644	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1345-25 (W062109-03H)	**Tube**		**Sample Air Volume:136.32L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	<0.01313	<0.008806	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	<0.01511	<0.01846	IH10	7/7/2009	ZN	2.06	NIOSH 7903 (MOD)
Sample ID: PSF1345-26 (062109A-H)	**Tube**		**Sample Air Volume:L**				**Sampled: 06/21/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.79	--	--	IH10	7/7/2009	ZN	1.79	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.06	--	--	IH10	7/7/2009	ZN	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)						
P9G0155-BLK1						
Formaldehyde	0.1152		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Formaldehyde - Back	0.06376		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Acetaldehyde	0.04917		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Acetaldehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Acrolein	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Acrolein - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Acetone	<0.300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Acetone - Back	<0.300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Propionaldehyde	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Crotonaldehyde	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Butyraldehyde	0.06471		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Benzaldehyde	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Isovaleraldehyde	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Valeraldehyde	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
o-Tolualdehyde	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
m-Tolualdehyde	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
p-Tolualdehyde	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Hexaldehyde	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9G0155	P9G0155-BLK1	07-02-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9G0708-BLK1						
Hydrochloric Acid	<1.79		ug, Total	P9G0708	P9G0708-BLK1	07-07-2009
Hydrochloric Acid - Back	<1.79		ug, Total	P9G0708	P9G0708-BLK1	07-07-2009
Hydrofluoric Acid	<2.06		ug, Total	P9G0708	P9G0708-BLK1	07-07-2009
Hydrofluoric Acid - Back	<2.06		ug, Total	P9G0708	P9G0708-BLK1	07-07-2009

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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)									
P9G0155-DUP1									
Formaldehyde	2.500	2.499	IH11	ug, Total	0.04	10	P9G0155	PSF1345-01	07-02-2009
Acetaldehyde	5.270	5.274	IH11	ug, Total	0.0759	10	P9G0155	PSF1345-01	07-02-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9G0155	PSF1345-01	07-02-2009
Acetone	1.030	1.032	IH10	ug, Total	0.194	10	P9G0155	PSF1345-01	07-02-2009
Propionaldehyde	0.9540	0.9472	IH10	ug, Total	0.715	10	P9G0155	PSF1345-01	07-02-2009
Crotonaldehyde	0.1560	0.1598	IH10	ug, Total	2.41	10	P9G0155	PSF1345-01	07-02-2009
Butyraldehyde	1.390	1.394	IH11	ug, Total	0.287	10	P9G0155	PSF1345-01	07-02-2009
Benzaldehyde	0.4870	0.4862	IH10	ug, Total	0.164	10	P9G0155	PSF1345-01	07-02-2009
Isovaleraldehyde	0.4350	0.4364	IH10	ug, Total	0.321	10	P9G0155	PSF1345-01	07-02-2009
Valeraldehyde	0.6880	0.6876	IH10	ug, Total	0.0582	10	P9G0155	PSF1345-01	07-02-2009
o-Tolualdehyde	0.3590	0.3605	IH10	ug, Total	0.417	10	P9G0155	PSF1345-01	07-02-2009
m-Tolualdehyde	0.2050	0.2054	IH10	ug, Total	0.195	10	P9G0155	PSF1345-01	07-02-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9G0155	PSF1345-01	07-02-2009
Hexaldehyde	2.230	2.222	IH10	ug, Total	0.359	10	P9G0155	PSF1345-01	07-02-2009
2,5-Dimethyl Benzaldehyde	0.07850	0.08228	IH10	ug, Total	4.7	10	P9G0155	PSF1345-01	07-02-2009
P9G0155-DUP2									
Formaldehyde	0.8460	0.8426	IH11	ug, Total	0.403	10	P9G0155	PSF1345-11	07-02-2009
Acetaldehyde	1.310	1.301	IH11	ug, Total	0.689	10	P9G0155	PSF1345-11	07-02-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9G0155	PSF1345-11	07-02-2009
Acetone	0.5070	0.5012	IH10	ug, Total	1.15	10	P9G0155	PSF1345-11	07-02-2009
Propionaldehyde	0.2580	0.2555	IH10	ug, Total	0.974	10	P9G0155	PSF1345-11	07-02-2009
Crotonaldehyde	0.06380	0.05716	IH10	ug, Total	11	10	P9G0155	PSF1345-11	07-02-2009
Butyraldehyde	0.3230	0.3168	IH11	ug, Total	1.94	10	P9G0155	PSF1345-11	07-02-2009
Benzaldehyde	0.2640	0.2623	IH10	ug, Total	0.646	10	P9G0155	PSF1345-11	07-02-2009
Isovaleraldehyde	0.1600	0.1573	IH10	ug, Total	1.7	10	P9G0155	PSF1345-11	07-02-2009
Valeraldehyde	0.2770	0.2777	IH10	ug, Total	0.252	10	P9G0155	PSF1345-11	07-02-2009
o-Tolualdehyde	0.1120	0.1127	IH10	ug, Total	0.623	10	P9G0155	PSF1345-11	07-02-2009
m-Tolualdehyde	0.1010	0.09794	IH10	ug, Total	3.08	10	P9G0155	PSF1345-11	07-02-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9G0155	PSF1345-11	07-02-2009
Hexaldehyde	0.7380	0.7277	IH10	ug, Total	1.41	10	P9G0155	PSF1345-11	07-02-2009
2,5-Dimethyl Benzaldehyde	0.04350	0.04261	IH10	ug, Total	2.07	10	P9G0155	PSF1345-11	07-02-2009

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)								
P9G0155-BS1								
Formaldehyde	0.45	0.5604	IH11	ug, Total	125%	22-134	P9G0155	07-02-2009
Acetaldehyde	0.45	0.5102	IH11	ug, Total	113%	51-142	P9G0155	07-02-2009
Acrolein	0.45	0.2211	IH10, L2	ug, Total	49%	75-125	P9G0155	07-02-2009
Acetone	0.45	0.6535	IH10, IH5	ug, Total	145%	75-125	P9G0155	07-02-2009
Propionaldehyde	0.45	0.7737	IH10, L2	ug, Total	172%	67-145	P9G0155	07-02-2009
Crotonaldehyde	0.45	0.4052	IH10	ug, Total	90%	66-146	P9G0155	07-02-2009
Butyraldehyde	0.45	0.5264	IH11	ug, Total	117%	56-141	P9G0155	07-02-2009
Benzaldehyde	0.45	0.4640	IH10	ug, Total	103%	57-142	P9G0155	07-02-2009
Isovaleraldehyde	0.45	0.4712	IH10	ug, Total	105%	66-144	P9G0155	07-02-2009
Valeraldehyde	0.45	0.4862	IH10	ug, Total	108%	66-144	P9G0155	07-02-2009
o-Tolualdehyde	0.45	0.4909	IH10	ug, Total	109%	39-130	P9G0155	07-02-2009
m-Tolualdehyde	0.45	0.4499	IH10	ug, Total	100%	73-143	P9G0155	07-02-2009
p-Tolualdehyde	0.45	0.4282	IH10	ug, Total	95%	66-147	P9G0155	07-02-2009
Hexaldehyde	0.45	0.4936	IH10	ug, Total	110%	65-145	P9G0155	07-02-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4413	IH10	ug, Total	98%	75-144	P9G0155	07-02-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9G0708-BS1								
Hydrochloric Acid	10.3	10.06	IH10	ug, Total	98%	70-130	P9G0708	07-07-2009
Hydrofluoric Acid	10.5	9.166	IH10	ug, Total	87%	70-130	P9G0708	07-07-2009

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)												
P9G0155-BSD1												
Formaldehyde		0.5606	IH11	ug, Total	0.45	125%	22-134	0.0357	20	P9G0155		07-02-2009
Acetaldehyde		0.5054	IH11	ug, Total	0.45	112%	51-142	0.945	20	P9G0155		07-02-2009
Acrolein		0.2302	IH10, L2	ug, Total	0.45	51%	75-125	4.03	20	P9G0155		07-02-2009
Acetone		0.6540	IH10,	ug, Total	0.45	145%	75-125	0.0765	20	P9G0155		07-02-2009
Propionaldehyde		0.7583	IH10, L2	ug, Total	0.45	169%	67-145	2.01	20	P9G0155		07-02-2009
Crotonaldehyde		0.4010	IH10	ug, Total	0.45	89%	66-146	1.04	20	P9G0155		07-02-2009
Butyraldehyde		0.5310	IH11	ug, Total	0.45	118%	56-141	0.87	20	P9G0155		07-02-2009
Benzaldehyde		0.4663	IH10	ug, Total	0.45	104%	57-142	0.494	20	P9G0155		07-02-2009
Isovaleraldehyde		0.4730	IH10	ug, Total	0.45	105%	66-144	0.381	20	P9G0155		07-02-2009
Valeraldehyde		0.4872	IH10	ug, Total	0.45	108%	66-144	0.205	20	P9G0155		07-02-2009
o-Tolualdehyde		0.4906	IH10	ug, Total	0.45	109%	39-130	0.0611	20	P9G0155		07-02-2009
m-Tolualdehyde		0.4539	IH10	ug, Total	0.45	101%	73-143	0.885	20	P9G0155		07-02-2009
p-Tolualdehyde		0.4309	IH10	ug, Total	0.45	96%	66-147	0.629	20	P9G0155		07-02-2009
Hexaldehyde		0.4925	IH10	ug, Total	0.45	109%	65-145	0.223	20	P9G0155		07-02-2009
2,5-Dimethyl Benzaldehyde		0.4442	IH10	ug, Total	0.45	99%	75-144	0.655	20	P9G0155		07-02-2009

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)												
P9G0708-BSD1												
Hydrochloric Acid		9.882	IH10	ug, Total	10.3	96%	70-130	1.79	30	P9G0708		07-07-2009
Hydrofluoric Acid		9.183	IH10	ug, Total	10.5	88%	70-130	0.185	30	P9G0708		07-07-2009

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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.

IH7 Sample RPD between the primary and confirmatory analysis exceeded 40%. The lower value was reported due to apparent chromatographic interference.

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

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #27

August 12, 2009

APPENDIX B. Laboratory Analytical Results from Event #128:
Sampling conducted Saturday, June 27 to Sunday, June 28

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

Lawhon & Associates, Inc.

Client Sample ID: SU-C062709

GC/MS Volatiles

Lot-Sample # H9G020223 - 001 Work Order # LF1VK1AA Matrix.....: AIR

Date Sampled...: 06/27/2009 Date Received..: 07/02/2009
Prep Date.....: 07/07/2009 Analysis Date... 07/07/2009
Prep Batch #.....: 9189091
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	**0.10**	**0.20**	**0.44**	**J**	**0.87**
Trichlorofluoromethane	**0.35**	**0.20**	**2.0**		**1.1**
n-Heptane	**0.22**	**0.50**	**0.89**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.49**	**0.50**	**1.7**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.085**	**0.50**	**0.40**	**J**	**2.3**
tert-Butyl alcohol	**0.21**	**2.0**	**0.63**	**J**	**6.1**
Methylene chloride	**0.47**	**0.50**	**1.6**	**J**	**1.7**
Benzene	**0.43**	**0.20**	**1.4**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.056**	**0.20**	**0.38**	**J**	**1.4**
Tetrahydrofuran	**0.074**	**1.0**	**0.22**	**J**	**2.9**
Toluene	**0.82**	**0.20**	**3.1**		**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	**1.0**	**0.20**	**5.4**		**1.1**
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.091**	**0.20**	**0.70**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.47**	**0.20**	**2.3**		**0.98**
1,3,5-Trimethylbenzene	**0.11**	**0.20**	**0.52**	**J**	**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.15**	**0.20**	**0.65**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.34**	**0.20**	**1.5**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**3.3**	**1.0**	**9.8**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.33**	**0.50**	**1.3**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	**0.058**	**0.20**	**0.23**	**J**	**0.78**
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.090**	**0.50**	**0.28**	**J**	**1.6**
Carbon tetrachloride	**0.11**	**0.20**	**0.71**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C062709

GC/MS Volatiles

Lot-Sample # H9G020223 - 001 Work Order # LF1VK1AA 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	**0.037**	**0.20**	**0.097**	**J**	**0.53**
Chloroform	**0.042**	**0.20**	**0.20**	**J**	**0.98**
Chloromethane	**0.81**	**0.50**	**1.7**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.093**	**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	**0.52**	**0.20**	**2.6**		**0.99**
1,1-Dichloroethane	**0.050**	**0.20**	**0.20**	**J**	**0.81**
1,2-Dichloroethane	**0.15**	**0.20**	**0.59**	**J**	**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	**2.0**	**0.20**	**7.8**		**0.79**
trans-1,2-Dichloroethene	**0.14**	**0.20**	**0.54**	**J**	**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-G062709

GC/MS Volatiles

Lot-Sample #	H9G020223 - 002	**Work Order #**	LF1VX1AA	**Matrix.....:**	AIR

Date Sampled...:	06/27/2009	**Date Received..:**	07/02/2009
Prep Date.....:	07/07/2009	**Analysis Date...**	07/07/2009
Prep Batch #.....:	9189091		
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**	**51**		**12**
Ethylbenzene	**0.075**	**0.20**	**0.33**	**J**	**0.87**
Trichlorofluoromethane	**0.26**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.16**	**0.50**	**0.65**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.37**	**0.50**	**1.3**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.062**	**0.50**	**0.29**	**J**	**2.3**
tert-Butyl alcohol	**0.26**	**2.0**	**0.79**	**J**	**6.1**
Methylene chloride	**0.28**	**0.50**	**0.98**	**J**	**1.7**
Benzene	**0.27**	**0.20**	**0.85**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	**0.092**	**0.20**	**0.63**	**J**	**1.4**
Tetrahydrofuran	**0.084**	**1.0**	**0.25**	**J**	**2.9**
Toluene	**0.49**	**0.20**	**1.8**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.085**	**0.20**	**0.66**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.090**	**0.20**	**0.44**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.086**	**0.20**	**0.37**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.22**	**0.20**	**0.94**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**3.0**	**1.0**	**8.8**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.19**	**0.50**	**0.79**	**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	**0.095**	**0.50**	**0.30**	**J**	**1.6**
Carbon tetrachloride	**0.081**	**0.20**	**0.51**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G062709

GC/MS Volatiles

Lot-Sample # H9G020223 - 002 Work Order # LF1VX1AA 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**	**1.4**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.068**	**0.50**	**0.23**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.49**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	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-S062709

GC/MS Volatiles

Lot-Sample # H9G020223 - 003 Work Order # LF1V11AA Matrix.....: AIR

Date Sampled...: 06/27/2009 Date Received..: 07/02/2009
Prep Date.....: 07/07/2009 Analysis Date... 07/07/2009
Prep Batch #.....: 9189091
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	**14**	**5.0**	**33**		**12**
Ethylbenzene	**0.073**	**0.20**	**0.32**	**J**	**0.87**
Trichlorofluoromethane	**0.29**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.10**	**0.50**	**0.41**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.34**	**0.50**	**1.2**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.081**	**0.50**	**0.38**	**J**	**2.3**
tert-Butyl alcohol	**0.18**	**2.0**	**0.55**	**J**	**6.1**
Methylene chloride	**0.38**	**0.50**	**1.3**	**J**	**1.7**
Benzene	**0.24**	**0.20**	**0.78**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.065**	**1.0**	**0.19**	**J**	**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	**0.043**	**0.20**	**0.23**	**J**	**1.1**
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.074**	**0.20**	**0.57**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.098**	**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	**0.090**	**0.20**	**0.39**	**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)	**1.7**	**1.0**	**5.0**		**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	**0.40**	**0.50**	**1.2**	**J**	**1.6**
Carbon tetrachloride	**0.084**	**0.20**	**0.53**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S062709

GC/MS Volatiles

Lot-Sample # H9G020223 - 003 Work Order # LF1V11AA 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	**0.83**	**0.50**	**1.7**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.058**	**0.50**	**0.20**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.49**	**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	102	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-W062709

GC/MS Volatiles

Lot-Sample #	H9G020223 - 004	Work Order #	LF1V21AA	Matrix.....:	AIR

Date Sampled...:	06/27/2009	Date Received..:	07/02/2009
Prep Date.....:	07/06/2009	Analysis Date...	07/06/2009
Prep Batch #.....:	9188179		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**9.8**	**5.0**	**23**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.41**	**0.20**	**2.3**		**1.1**
n-Heptane	**0.13**	**0.50**	**0.55**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.25**	**0.50**	**0.87**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.093**	**2.0**	**0.28**	**J**	**6.1**
Methylene chloride	**0.64**	**0.50**	**2.2**		**1.7**
Benzene	**0.17**	**0.20**	**0.53**	**J**	**0.64**
Styrene	**0.061**	**0.20**	**0.26**	**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	**0.37**	**0.20**	**1.4**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.080**	**0.20**	**0.61**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.18**	**0.20**	**0.90**	**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	**0.18**	**0.20**	**0.78**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.90**	**1.0**	**2.7**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.063**	**0.50**	**0.26**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.054**	**0.50**	**0.17**	**J**	**1.6**
Carbon tetrachloride	**0.11**	**0.20**	**0.72**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W062709

GC/MS Volatiles

Lot-Sample # H9G020223 - 004 Work Order # LF1V21AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.076**	**0.20**	**0.37**	**J**	**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	**0.51**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	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-COS062709

GC/MS Volatiles

Lot-Sample #	H9G020223 - 005	**Work Order #**	LF1V31AA	**Matrix.....:**	AIR

Date Sampled...:	06/27/2009	**Date Received..:**	07/02/2009
Prep Date.....:	07/07/2009	**Analysis Date...**	07/08/2009
Prep Batch #.....:	9189091		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**9.3**	**5.0**	**22**		**12**
Ethylbenzene	**0.14**	**0.20**	**0.59**	**J**	**0.87**
Trichlorofluoromethane	**0.46**	**0.20**	**2.6**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.46**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.73**	**0.50**	**2.6**		**1.8**
2,2,4-Trimethylpentane	**0.073**	**0.50**	**0.34**	**J**	**2.3**
tert-Butyl alcohol	**0.077**	**2.0**	**0.23**	**J**	**6.1**
Methylene chloride	**3.2**	**0.50**	**11**		**1.7**
Benzene	**0.23**	**0.20**	**0.72**		**0.64**
Styrene	**0.13**	**0.20**	**0.57**	**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	**1.0**	**0.20**	**3.9**		**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	**0.078**	**0.20**	**0.60**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.22**	**0.20**	**1.1**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.16**	**0.20**	**0.70**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.40**	**0.20**	**1.7**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.94**	**1.0**	**2.8**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.060**	**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	**0.14**	**0.50**	**0.45**	**J**	**1.6**
Carbon tetrachloride	**0.088**	**0.20**	**0.55**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COS062709

GC/MS Volatiles

Lot-Sample # H9G020223 - 005 Work Order # LF1V31AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.87**	**0.50**	**1.8**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.15**	**0.50**	**0.50**	**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	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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9G070000 - 179B	**Work Order #**	LF4R41AA	**Matrix.....:**	AIR
	06/22/2009	**Date Received..:**	06/24/2009		
Prep Date.....:	07/06/2009	**Analysis Date...**	07/06/2009		
Prep Batch #.....:	9188179				
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 # H9G070000 - 179B Work Order # LF4R41AA 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	99	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 # H9G070000 - 179C **Work Order #** LF4R41AC **Matrix.....:** AIR

	06/22/2009	**Date Received..:**	06/24/2009
Prep Date.....:	07/06/2009	**Analysis Date...**	07/06/2009
Prep Batch #.....:	9188179		
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	10.0	57	45	80	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	12.5	14.4	87	100	115	60 - 140
Acetone	12.5	9.04	30	21	72	60 - 140
Ethylbenzene	12.5	10.8	54	47	87	70 - 130
Trichlorofluoromethane	12.5	12.5	70	70	100	60 - 140
n-Heptane	12.5	13.0	51	53	104	70 - 130
Hexachlorobutadiene	12.5	11.0	130	120	88	60 - 140
n-Hexane	12.5	13.0	44	46	104	70 - 130
2,2,4-Trimethylpentane	12.5	12.3	58	57	98	70 - 130
tert-Butyl alcohol	12.5	13.6	38	41	109	60 - 140
Methylene chloride	12.5	10.5	43	36	84	70 - 130
Benzene	12.5	11.3	40	36	91	70 - 130
Styrene	12.5	12.5	53	53	100	70 - 130
1,1,2,2-Tetrachloroethane	12.5	11.5	86	79	92	70 - 130
Tetrachloroethene	12.5	10.5	85	71	84	70 - 130
Tetrahydrofuran	12.5	12.0	37	36	96	70 - 130
Toluene	12.5	9.78	47	37	78	70 - 130
1,2,4-Trichlorobenzene	12.5	10.4	93	77	83	60 - 140
1,1,1-Trichloroethane	12.5	11.5	68	63	92	70 - 130
1,1,2-Trichloroethane	12.5	10.1	68	55	81	70 - 130
Trichloroethene	12.5	11.9	67	64	96	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	12.5	12.4	96	95	99	70 - 130
1,2,4-Trimethylbenzene	12.5	11.8	61	58	95	70 - 130
1,3,5-Trimethylbenzene	12.5	11.9	61	58	95	70 - 130
Vinyl chloride	12.5	14.9	32	38	120	70 - 130
o-Xylene	12.5	11.1	54	48	89	70 - 130
Methyl tert-butyl ether	12.5	11.2	45	40	90	60 - 140
m-Xylene & p-Xylene	25.0	22.7	110	98	91	70 - 130
Bromodichloromethane	12.5	12.4	84	83	99	70 - 130
1,2-Dibromoethane (EDB)	12.5	9.53	96	73	76	70 - 130
2-Butanone (MEK)	12.5	9.63	37	28	77	60 - 140
4-Methyl-2-pentanone (MIBK)	12.5	16.5	51	67	132	60 - 140
Vinyl bromide	12.5	12.4	55	54	99	60 - 140
Bromoform	12.5	10.7	130	110	86	70 - 130
Bromomethane	12.5	13.0	49	50	104	70 - 130
1,3-Butadiene	12.5	15.8	28	35	126	60 - 140
4-Ethyltoluene	12.5	11.7	61	57	93	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9G070000 - 179C Work Order # LF4R41AC 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	12.8	39	40	102	70 - 130
Carbon tetrachloride	12.5	10.3	79	65	82	70 - 130
Chlorobenzene	12.5	9.78	58	45	78	70 - 130
Dibromochloromethane	12.5	12.2	110	100	98	70 - 130
Chloroethane	12.5	12.7	33	34	102	70 - 130
Chloroform	12.5	10.8	61	53	86	70 - 130
Chloromethane	12.5	16.3	26	34	130	60 - 140
3-Chloropropene	12.5	14.2	39	44	113	70 - 130
2-Chlorotoluene	12.5	10.9	65	56	87	70 - 130
Cyclohexane	12.5	13.0	43	45	104	70 - 130
1,2-Dichlorobenzene	12.5	10.3	75	62	82	70 - 130
1,3-Dichlorobenzene	12.5	10.5	75	63	84	70 - 130
1,4-Dichlorobenzene	12.5	10.4	75	63	83	70 - 130
Dichlorodifluoromethane	12.5	14.7	62	73	118	60 - 140
1,1-Dichloroethane	12.5	11.8	51	48	94	70 - 130
1,2-Dichloroethane	12.5	12.2	51	49	97	70 - 130
1,1-Dichloroethene	12.5	12.5	50	50	100	70 - 130
cis-1,2-Dichloroethene	12.5	11.0	50	43	88	70 - 130
trans-1,2-Dichloroethene	12.5	12.1	50	48	97	70 - 130
1,2-Dichloropropane	12.5	11.1	58	51	89	70 - 130
cis-1,3-Dichloropropene	12.5	11.2	57	51	89	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	109	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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9G080000 - 091B	Work Order #	LF55M1AA	Matrix.....:	AIR

	06/25/2009	Date Received..:	06/26/2009
Prep Date.....:	07/07/2009	Analysis Date...	07/07/2009
Prep Batch #.....:	9189091		
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 # H9G080000 - 091B Work Order # LF55M1AA 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	100	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 # H9G080000 - 091C **Work Order #** LF55M1AC **Matrix.....:** AIR

	06/25/2009	**Date Received..:**	06/26/2009
Prep Date.....:	07/07/2009	**Analysis Date...**	07/07/2009
Prep Batch #.....:	9189091		
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	11.6	57	53	93	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	12.5	11.1	87	77	88	60 - 140
Acetone	12.5	9.65	30	23	77	60 - 140
Ethylbenzene	12.5	10.4	54	45	83	70 - 130
Trichlorofluoromethane	12.5	11.3	70	64	91	60 - 140
n-Heptane	12.5	11.9	51	49	95	70 - 130
Hexachlorobutadiene	12.5	11.5	130	120	92	60 - 140
n-Hexane	12.5	12.4	44	44	99	70 - 130
2,2,4-Trimethylpentane	12.5	11.3	58	53	90	70 - 130
tert-Butyl alcohol	12.5	11.2	38	34	90	60 - 140
Methylene chloride	12.5	11.3	43	39	90	70 - 130
Benzene	12.5	11.4	40	36	91	70 - 130
Styrene	12.5	11.6	53	49	93	70 - 130
1,1,2,2-Tetrachloroethane	12.5	10.3	86	71	82	70 - 130
Tetrachloroethene	12.5	10.8	85	73	86	70 - 130
Tetrahydrofuran	12.5	11.6	37	34	92	70 - 130
Toluene	12.5	10.7	47	40	85	70 - 130
1,2,4-Trichlorobenzene	12.5	12.7	93	94	101	60 - 140
1,1,1-Trichloroethane	12.5	12.3	68	67	98	70 - 130
1,1,2-Trichloroethane	12.5	10.8	68	59	87	70 - 130
Trichloroethene	12.5	11.6	67	62	93	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	12.5	13.2	96	100	105	70 - 130
1,2,4-Trimethylbenzene	12.5	10.6	61	52	85	70 - 130
1,3,5-Trimethylbenzene	12.5	10.8	61	53	87	70 - 130
Vinyl chloride	12.5	11.3	32	29	90	70 - 130
o-Xylene	12.5	10.2	54	44	82	70 - 130
Methyl tert-butyl ether	12.5	10.6	45	38	84	60 - 140
m-Xylene & p-Xylene	25.0	21.1	110	91	84	70 - 130
Bromodichloromethane	12.5	11.2	84	75	90	70 - 130
1,2-Dibromoethane (EDB)	12.5	11.6	96	89	93	70 - 130
2-Butanone (MEK)	12.5	9.66	37	28	77	60 - 140
4-Methyl-2-pentanone (MIBK)	12.5	12.7	51	52	102	60 - 140
Vinyl bromide	12.5	11.8	55	52	95	60 - 140
Bromoform	12.5	13.0	130	130	104	70 - 130
Bromomethane	12.5	9.75	49	38	78	70 - 130
1,3-Butadiene	12.5	12.2	28	27	97	60 - 140
4-Ethyltoluene	12.5	10.4	61	51	83	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9G080000 - 091C Work Order # LF55M1AC 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	11.7	39	36	93	70 - 130
Carbon tetrachloride	12.5	13.8	79	87	111	70 - 130
Chlorobenzene	12.5	11.4	58	53	91	70 - 130
Dibromochloromethane	12.5	12.6	110	110	101	70 - 130
Chloroethane	12.5	11.1	33	29	89	70 - 130
Chloroform	12.5	11.7	61	57	94	70 - 130
Chloromethane	12.5	12.6	26	26	101	60 - 140
3-Chloropropene	12.5	13.4	39	42	107	70 - 130
2-Chlorotoluene	12.5	10.1	65	52	81	70 - 130
Cyclohexane	12.5	11.2	43	39	90	70 - 130
1,2-Dichlorobenzene	12.5	9.77	75	59	78	70 - 130
1,3-Dichlorobenzene	12.5	10.1	75	60	80	70 - 130
1,4-Dichlorobenzene	12.5	10.1	75	61	81	70 - 130
Dichlorodifluoromethane	12.5	11.8	62	59	95	60 - 140
1,1-Dichloroethane	12.5	12.5	51	51	100	70 - 130
1,2-Dichloroethane	12.5	12.5	51	51	100	70 - 130
1,1-Dichloroethene	12.5	13.4	50	53	107	70 - 130
cis-1,2-Dichloroethene	12.5	12.1	50	48	97	70 - 130
trans-1,2-Dichloroethene	12.5	11.7	50	46	93	70 - 130
1,2-Dichloropropane	12.5	13.3	58	62	107	70 - 130
cis-1,3-Dichloropropene	12.5	12.0	57	54	96	70 - 130

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)

Sample Receipt Documentation

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

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H9G020223

№ 8362

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7192
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

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis	VOC TOLS	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #,
SU-C062709				6/27/09	1440	Cell Tower	1				X			6660
SU-G062709				6/27/09	1440	Campground	1				X			1013
SU-S062709				6/27/09	1440	School	1				X			1116
SU-W062709				6/27/09	1440	Wetland	1				X			6680
SU-CO5062709				6/27/09	1440	Co-located School	1				X			02646

custody seal intact
rec. at ambient temp.
1 box
Fed ex #8694 2482 7192
6 cans | 6 flows
DGY 7/2/09

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	7/1/09 1500						
[signature]	6/30/09 0800	Daniel Yoder	7/2/09 10:00				

Comments:

Distributor: White - File; Yellow - Lab

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

Canister Samples Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information
Company: Lawhon & Associates, 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

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 QC	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
		6/27/09	6/28/09																
SU-C0627 09	6/27/09	15:00	15:00	-29.5	-3	K118	6660	X											
SU-G0627 09	↓	↓	↓	-29.0	0	K460	1013	X											
SU-S0627 09				-29.0	0	K168	1116	X											
SU-W0627 09				-28.5	0	K234	6680	X											
SU-COS062709				-29.6	0	K128	02646	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (Inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return Can # 1539, did not use.

Canisters Shipped by:	Date/Time: 7/1/09 / 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 6/30/09 / 0900	Received by: David Yoder 7/2/09 10:00
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9G020223

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

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: David Yoder Date: 7/2/09

QA026R20.doc, 060409

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July 15, 2009

LABORATORY REPORT

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

Work Order: PSG0109
Project Name: Countywide - Ambient Air
Project Number: Countywide / 07-0082
Date Received: 07/02/09

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 8.7°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

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

Work Order: PSG0109
Project: Countywide - Ambient Air
Project Number: Countywide / 07-0082

Received: 07/02/09
Reported: 07/15/09 11:53

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C062709-01H	PSG0109-01	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
C062709-02H	PSG0109-02	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
C062709-03H	PSG0109-03	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
G062709-01H	PSG0109-04	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
G062709-02H	PSG0109-05	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
G062709-03H	PSG0109-06	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
S062709-01H	PSG0109-07	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
S062709-02H	PSG0109-08	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
S062709-03H	PSG0109-09	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
W062709-01H	PSG0109-10	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
W062709-02H	PSG0109-11	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
W062709-03H	PSG0109-12	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
062709A-H	PSG0109-13	06/27/09	Silica Gel tube, 200/400 mg Specially cleaned
C062709-01A	PSG0109-14	06/27/09	DNPH Silica Gel Tube, 450 mg
C062709-02A	PSG0109-15	06/27/09	DNPH Silica Gel Tube, 450 mg
C062709-03A	PSG0109-16	06/27/09	DNPH Silica Gel Tube, 450 mg
G062709-01A	PSG0109-17	06/27/09	DNPH Silica Gel Tube, 450 mg
G062709-02A	PSG0109-18	06/27/09	DNPH Silica Gel Tube, 450 mg
G062709-03A	PSG0109-19	06/27/09	DNPH Silica Gel Tube, 450 mg
S062709-01A	PSG0109-20	06/27/09	DNPH Silica Gel Tube, 450 mg
S062709-02A	PSG0109-21	06/27/09	DNPH Silica Gel Tube, 450 mg
S062709-03A	PSG0109-22	06/27/09	DNPH Silica Gel Tube, 450 mg
W062709-01A	PSG0109-23	06/27/09	DNPH Silica Gel Tube, 450 mg
W062709-02A	PSG0109-24	06/27/09	DNPH Silica Gel Tube, 450 mg
W062709-03A	PSG0109-25	06/27/09	DNPH Silica Gel Tube, 450 mg
062409A-A	PSG0109-26	06/27/09	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: PSG0109 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 07/02/09 Reported: 07/15/09 11:53	

ANALYTICAL REPORT

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

Sample ID: PSG0109-14 (C062709-01A) **Tube** **Sample Air Volume:196.8L** **Sampled: 06/27/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	0.101	0.0005132	0.00009352	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	11.5	0.05843	0.03243	IH11, RL7	7/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.261	0.001326	0.0007361	IH11	7/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	11.2	0.05691	0.03159	IH11, RL7	7/8/2009	zn	0.300	EPA TO-11A
Acetone	5.26	0.02673	0.01125	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	1.60	0.00813	0.003423	IH10	7/6/2009	zn	0.300	EPA TO-11A
Acetone - Front	3.66	0.0186	0.007829	IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001524	<0.00006648	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.439	0.002231	0.000514	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	3.77	0.01916	0.006495	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.240	0.00122	0.0004135	IH11	7/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	3.53	0.01794	0.006082	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001524	<0.00005318	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	4.00	0.02033	0.01655	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.111	0.000564	0.0004592	IH11	7/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.89	0.01977	0.01609	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.77	0.01408	0.003436	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001524	<0.00004327	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.262	0.001331	0.0002709	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.499	0.002536	0.000516	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Back	0.0302	0.0001535	0.00003123	IH10	7/6/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Front	0.469	0.002383	0.000485	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	2.03	0.01032	0.004342	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0564	0.0002866	0.0001206	IH10	7/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.97	0.01001	0.004214	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001524	<0.00003102	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	1.04	0.005285	0.0015	IH10	7/7/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG0109-15 (C062709-02A) **Tube** **Sample Air Volume:163.68L** **Sampled: 06/27/09**

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
2,5-Dimethyl Benzaldehyde	0.0720	0.0004399	0.00008015	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.03	0.01851	0.01027	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.169	0.001033	0.0005731	IH11	7/6/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.86	0.01747	0.009698	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetone	0.632	0.003861	0.001625	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001833	<0.00007993	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.229	0.001399	0.0003223	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.736	0.004497	0.001525	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0960	0.0005865	0.0001989	IH11	7/6/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.640	0.00391	0.001326	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001833	<0.00006394	IH10	7/7/2009	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: PSG0109 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 07/02/09 Reported: 07/15/09 11:53	

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

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSG0109-15 (C062709-02A) - cont.		**Tube**	**Sample Air Volume:163.68L**				**Sampled: 06/27/09**	
Formaldehyde	1.36	0.008309	0.006765	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0924	0.0005645	0.0004596	IH11	7/6/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.27	0.007759	0.006317	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.01	0.006171	0.001506	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.121	0.0007392	0.0002099	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Back (e)	0.0348	0.0002126	0.00006035	IH10	7/6/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Front	0.0859	0.0005248	0.000149	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0526	0.0003214	0.0000654	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.253	0.001546	0.0003145	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.632	0.003861	0.001625	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0456	0.0002786	0.0001173	IH10	7/6/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.586	0.00358	0.001507	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.101	0.0006171	0.0001256	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.435	0.002658	0.0007544	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0109-16 (C062709-03A)		**Tube**	**Sample Air Volume:198.24L**				**Sampled: 06/27/09**	
2,5-Dimethyl Benzaldehyde	0.0687	0.0003465	0.00006315	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.70	0.02371	0.01316	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.301	0.001518	0.0008428	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.40	0.0222	0.01232	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetone	1.07	0.005397	0.002272	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.334	0.001685	0.0007093	IH10	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.735	0.003708	0.001561	IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001513	<0.000066	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.349	0.00176	0.0004056	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.09	0.005498	0.001864	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.132	0.0006659	0.0002258	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.962	0.004853	0.001645	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	<0.0001513	<0.00005279	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.09	0.01054	0.008584	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0781	0.000394	0.0003208	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.01	0.01014	0.008255	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.56	0.007869	0.001921	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.151	0.0007617	0.0002162	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Back (e)	0.0449	0.0002265	0.0000643	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Front	0.106	0.0005347	0.0001518	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0512	0.0002583	0.00005256	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.335	0.00169	0.0003439	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.908	0.00458	0.001928	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0529	0.0002668	0.0001123	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.855	0.004313	0.001816	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.122	0.0006154	0.0001252	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.654	0.003299	0.0009365	IH10	7/7/2009	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: PSG0109 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 07/02/09 Reported: 07/15/09 11:53	

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

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSG0109-17 (G062709-01A)	**Tube**		**Sample Air Volume:128.64L**				**Sampled: 06/27/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0754	0.0005861	0.0001068	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.86	0.05333	0.0296	IH11, RL7	7/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.158	0.001228	0.0006817	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	6.70	0.05208	0.02891	IH11, RL7	7/8/2009	zn	0.300	EPA TO-11A
Acetone	3.11	0.02418	0.01018	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.467	0.00363	0.001528	IH10	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.64	0.02052	0.008639	IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002332	<0.0001017	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.444	0.003451	0.0007952	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.99	0.01547	0.005245	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0681	0.0005294	0.0001795	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.92	0.01493	0.005061	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0952	0.00074	0.0002582	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Back (e)	0.0609	0.0004734	0.0001651	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Front	0.0343	0.0002666	0.00009301	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.19	0.0248	0.02019	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0961	0.000747	0.0006082	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.09	0.02402	0.01956	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.58	0.02006	0.004896	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.116	0.0009017	0.000256	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0343	0.0002666	0.00005426	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.256	0.00199	0.000405	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.08	0.008396	0.003534	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0347	0.0002697	0.0001136	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.05	0.008162	0.003436	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.156	0.001213	0.0002468	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.699	0.005434	0.001543	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0109-18 (G062709-02A)	**Tube**		**Sample Air Volume:96.96L**				**Sampled: 06/27/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0938	0.0009674	0.0001763	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.79	0.01846	0.01025	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0562	0.0005796	0.0003217	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.73	0.01784	0.009903	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetone	0.766	0.0079	0.003326	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0003094	<0.0001349	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.258	0.002661	0.0006131	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.559	0.005765	0.001955	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0772	0.0007962	0.00027	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.482	0.004971	0.001686	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.108	0.001114	0.0003886	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.12	0.01155	0.009405	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0777	0.0008014	0.0006525	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.04	0.01073	0.008733	IH11	7/7/2009	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	Method
Sample ID: PSG0109-18 (G062709-02A) - cont.		**Tube**		**Sample Air Volume:96.96L**				**Sampled: 06/27/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hexaldehyde	0.879	0.009066	0.002213	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0616	0.0006353	0.0001803	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0573	0.000591	0.0001203	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.157	0.001619	0.0003295	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.358	0.003692	0.001554	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0962	0.0009922	0.0002019	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.322	0.003321	0.0009427	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0109-19 (G062709-03A)		**Tube**		**Sample Air Volume:147.84L**				**Sampled: 06/27/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0757	0.000512	0.0000933	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.03	0.0205	0.01138	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.247	0.001671	0.0009273	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.78	0.0188	0.01044	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetone	0.384	0.002597	0.001093	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002029	<0.0000885	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.385	0.002604	0.0006	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.576	0.003896	0.001321	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0667	0.0004512	0.000153	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.509	0.003443	0.001167	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.180	0.001218	0.0004247	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Back (e)	0.0419	0.0002834	0.00009887	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Front	0.138	0.0009334	0.0003256	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.68	0.01136	0.009252	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0907	0.0006135	0.0004995	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.59	0.01075	0.008756	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.18	0.007982	0.001948	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0310	0.0002097	0.00005119	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	1.15	0.007779	0.001899	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.113	0.0007643	0.000217	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Back (e)	0.0334	0.0002259	0.00006413	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Front	0.0798	0.0005398	0.0001532	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0481	0.0003254	0.00006621	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.274	0.001853	0.0003771	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.551	0.003727	0.001569	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back (e)	0.0516	0.000349	0.0001469	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.499	0.003375	0.001421	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.106	0.000717	0.0001459	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.603	0.004079	0.001158	IH10	7/7/2009	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: PSG0109-20 (S062709-01A)	**Tube**		**Sample Air Volume:117.12L**				**Sampled: 06/27/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0563	0.0004807	0.00008759	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	10.3	0.08794	0.04881	IH11, RL7	7/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.146	0.001247	0.0006919	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	10.2	0.08709	0.04834	RL7, IH11	7/8/2009	zn	0.300	EPA TO-11A
Acetone	4.10	0.03501	0.01474	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	1.09	0.009307	0.003918	IH10	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Front	3.01	0.0257	0.01082	IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002561	<0.0001117	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.412	0.003518	0.0008105	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	2.38	0.02032	0.00689	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.190	0.001622	0.0005501	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	2.19	0.0187	0.00634	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0639	0.0005456	0.0001903	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.37	0.02024	0.01648	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0868	0.0007411	0.0006034	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.28	0.01947	0.01585	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.16	0.01844	0.004502	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.129	0.001101	0.0003127	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.248	0.002117	0.0004309	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0313	0.0002672	0.00005438	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Back (e)	0.0313	0.0002672	0.00005438	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Front	<0.0300	<0.0002561	<0.00005212	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.41	0.01204	0.005068	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0399	0.0003407	0.0001434	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.37	0.0117	0.004924	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.165	0.001409	0.0002867	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.644	0.005499	0.001561	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0109-21 (S062709-02A)	**Tube**		**Sample Air Volume:220.32L**				**Sampled: 06/27/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0677	0.0003073	0.00005599	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.59	0.01176	0.006525	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.177	0.0008034	0.0004459	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.41	0.01094	0.006072	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetone	0.473	0.002147	0.0009038	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001362	<0.00005938	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.246	0.001117	0.0002573	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.530	0.002406	0.0008157	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0519	0.0002356	0.00007987	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.478	0.00217	0.0007356	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.114	0.0005174	0.0001805	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.998	0.00453	0.003688	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0644	0.0002923	0.000238	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.934	0.004239	0.003452	IH11	7/7/2009	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: PSG0109-21 (S062709-02A) - cont.	**Tube**		**Sample Air Volume:220.32L**				**Sampled: 06/27/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hexaldehyde	0.847	0.003844	0.0009385	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0794	0.0003604	0.0001023	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0409	0.0001856	0.00003778	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.174	0.0007898	0.0001607	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.481	0.002183	0.0009191	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0331	0.0001502	0.00006325	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.448	0.002033	0.000856	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.106	0.0004811	0.00009791	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.264	0.001198	0.0003402	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0109-22 (S062709-03A)	**Tube**		**Sample Air Volume:231.84L**				**Sampled: 06/27/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0689	0.0002972	0.00005415	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.75	0.02049	0.01137	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.300	0.001294	0.0007182	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.45	0.01919	0.01065	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetone	1.18	0.00509	0.002143	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.351	0.001514	0.0006373	IH10	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.825	0.003558	0.001498	IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001294	<0.00005643	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.414	0.001786	0.0004114	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.05	0.004529	0.001536	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.128	0.0005521	0.0001872	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.919	0.003964	0.001344	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0360	0.0001553	0.00005417	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.10	0.009058	0.007375	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0891	0.0003843	0.0003129	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.01	0.00867	0.007059	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.55	0.006686	0.001632	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.116	0.0005003	0.000142	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.160	0.0006901	0.0001404	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.401	0.00173	0.000352	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.847	0.003653	0.001538	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0419	0.0001807	0.00007608	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.805	0.003472	0.001462	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001294	<0.00002633	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.478	0.002062	0.0005853	IH10	7/7/2009	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: PSG0109-23 (W062709-01A)	**Tube**		**Sample Air Volume:208.32L**				**Sampled: 06/27/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.131	0.0006288	0.0001146	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	11.4	0.05472	0.03037	IH11, RL7	7/8/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.298	0.00143	0.000794	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	11.1	0.05328	0.02958	IH11, RL7	7/8/2009	zn	0.300	EPA TO-11A
Acetone	3.63	0.01743	0.007335	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	1.53	0.007344	0.003092	IH10	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.10	0.01008	0.004244	IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000144	<0.0000628	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.482	0.002314	0.0005331	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	2.81	0.01349	0.004574	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.406	0.001949	0.0006608	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	2.40	0.01152	0.003906	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0454	0.0002179	0.00007602	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.57	0.01714	0.01395	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0948	0.0004551	0.0003705	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.48	0.01671	0.0136	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.94	0.01411	0.003445	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000144	<0.00004088	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.190	0.0009121	0.0001856	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.400	0.00192	0.0003907	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.63	0.007825	0.003294	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0428	0.0002055	0.00008649	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.59	0.007632	0.003213	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000144	<0.00002931	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.852	0.00409	0.001161	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde - Back	0.0302	0.000145	0.00004115	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde - Front	0.822	0.003946	0.00112	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0109-24 (W062709-02A)	**Tube**		**Sample Air Volume:217.44L**				**Sampled: 06/27/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0422	0.0001941	0.00003536	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.29	0.01053	0.005846	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.104	0.0004783	0.0002655	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.19	0.01007	0.00559	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetone	0.580	0.002667	0.001123	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000138	<0.00006017	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.203	0.0009336	0.0002151	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.547	0.002516	0.000853	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0754	0.0003468	0.0001176	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.472	0.002171	0.000736	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0982	0.0004516	0.0001575	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.834	0.003836	0.003123	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0733	0.0003371	0.0002745	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.761	0.0035	0.00285	IH11	7/7/2009	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: PSG0109-24 (W062709-02A) - cont.		**Tube**		**Sample Air Volume:217.44L**				**Sampled: 06/27/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hexaldehyde	0.755	0.003472	0.0008476	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0622	0.0002861	0.0000812	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0408	0.0001876	0.00003818	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.106	0.0004875	0.0000992	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.368	0.001692	0.0007125	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0985	0.000453	0.00009218	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.226	0.001039	0.000295	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0109-25 (W062709-03A)		**Tube**		**Sample Air Volume:196.32L**				**Sampled: 06/27/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0598	0.0003046	0.0000555	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.60	0.02343	0.01301	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.260	0.001324	0.0007351	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.34	0.02211	0.01227	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetone	1.03	0.005247	0.002209	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.302	0.001538	0.0006476	IH10	7/7/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.730	0.003718	0.001565	IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	0.0406	0.0002068	0.00009019	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.398	0.002027	0.0004671	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.977	0.004977	0.001687	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.123	0.0006265	0.0002124	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.854	0.00435	0.001475	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0337	0.0001717	0.00005988	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.79	0.01421	0.01157	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.907	0.00462	0.003762	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.88	0.009576	0.007797	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.48	0.007539	0.00184	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0305	0.0001554	0.00003792	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Front	1.45	0.007386	0.001803	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.151	0.0007692	0.0002183	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Back (e)	0.0554	0.0002822	0.00008011	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Front	0.0960	0.000489	0.0001388	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0470	0.0002394	0.00004872	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.295	0.001503	0.0003058	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.786	0.004004	0.001685	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0455	0.0002318	0.00009757	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.741	0.003774	0.001589	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.120	0.0006112	0.0001244	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.484	0.002465	0.0006999	IH10	7/7/2009	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	Method
Sample ID: PSG0109-26 (062409A-A)		**Tube**		**Sample Air Volume:L**				**Sampled: 06/27/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0819	--	--	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0313	--	--	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0506	--	--	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Acetone	0.769	--	--	IH10, IH11	7/7/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.114	--	--	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0321	--	--	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.0814	--	--	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.190	--	--	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0654	--	--	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.125	--	--	IH11	7/7/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	7/7/2009	zn	0.0300	EPA TO-11A

(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: PSG0109-01 (C062709-01H)		**Tube**		**Sample Air Volume:126.24L**				**Sampled: 06/27/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.66	<0.01315	<0.008818	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.01592	<0.01945	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-02 (C062709-02H)		**Tube**		**Sample Air Volume:132.96L**				**Sampled: 06/27/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.66	<0.01248	<0.008372	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.01512	<0.01847	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-03 (C062709-03H)		**Tube**		**Sample Air Volume:132.48L**				**Sampled: 06/27/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.66	<0.01253	<0.008403	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.01517	<0.01854	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-04 (G062709-01H)		**Tube**		**Sample Air Volume:108.96L**				**Sampled: 06/27/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<1.66	<0.01523	<0.01022	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.01845	<0.02254	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-05 (G062709-02H)		**Tube**		**Sample Air Volume:106.56L**				**Sampled: 06/27/09**
	ug, Total	mg/m3	ppm				ug, Total	

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Inorganic Acids by NIOSH 7903 (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSG0109-05 (G062709-02H) - cont.		**Tube**		**Sample Air Volume:106.56L**			**Sampled: 06/27/09**	
Hydrochloric Acid	<1.66	<0.01558	<0.01045	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.01886	<0.02305	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-06 (G062709-03H)		**Tube**		**Sample Air Volume:104.16L**			**Sampled: 06/27/09**	
Hydrochloric Acid	<1.66	<0.01594	<0.01069	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.0193	<0.02358	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-07 (S062709-01H)		**Tube**		**Sample Air Volume:114.72L**			**Sampled: 06/27/09**	
Hydrochloric Acid	<1.66	<0.01447	<0.009704	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.01752	<0.02141	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-08 (S062709-02H)		**Tube**		**Sample Air Volume:180L**			**Sampled: 06/27/09**	
Hydrochloric Acid	<1.66	<0.009222	<0.006184	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.01117	<0.01364	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-09 (S062709-03H)		**Tube**		**Sample Air Volume:154.56L**			**Sampled: 06/27/09**	
Hydrochloric Acid	<1.66	<0.01074	<0.007202	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.013	<0.01589	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-10 (W062709-01H)		**Tube**		**Sample Air Volume:139.2L**			**Sampled: 06/27/09**	
Hydrochloric Acid	<1.66	<0.01193	<0.007997	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.01444	<0.01764	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-11 (W062709-02H)		**Tube**		**Sample Air Volume:150.24L**			**Sampled: 06/27/09**	
Hydrochloric Acid	<1.66	<0.01105	<0.007409	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.01338	<0.01635	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-12 (W062709-03H)		**Tube**		**Sample Air Volume:129.12L**			**Sampled: 06/27/09**	
Hydrochloric Acid	2.24	0.01735	0.01163	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	<0.01557	<0.01902	IH10	7/8/2009	ZN	2.01	NIOSH 7903 (MOD)
Sample ID: PSG0109-13 (062709A-H)		**Tube**		**Sample Air Volume:L**			**Sampled: 06/27/09**	
Hydrochloric Acid	<1.66	--	--	IH10	7/8/2009	ZN	1.66	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.01	--	--	IH10	7/8/2009	ZN	2.01	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)						
P9G0622-BLK1						
Formaldehyde	0.1025		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Formaldehyde - Back	0.05751		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Acetaldehyde	0.04746		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Acetaldehyde - Back	0.03120		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Acrolein	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Acrolein - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Acetone	0.5563		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Acetone - Back	<0.300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Propionaldehyde	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Crotonaldehyde	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Butyraldehyde	0.06526		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Butyraldehyde - Back	0.03442		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Benzaldehyde	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Isovaleraldehyde	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Valeraldehyde	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
o-Tolualdehyde	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
m-Tolualdehyde	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
p-Tolualdehyde	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Hexaldehyde	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9G0622	P9G0622-BLK1	07-06-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9G0709-BLK1						
Hydrochloric Acid	<1.79		ug, Total	P9G0709	P9G0709-BLK1	07-08-2009
Hydrochloric Acid - Back	<1.79		ug, Total	P9G0709	P9G0709-BLK1	07-08-2009
Hydrofluoric Acid	<2.06		ug, Total	P9G0709	P9G0709-BLK1	07-08-2009
Hydrofluoric Acid - Back	<2.06		ug, Total	P9G0709	P9G0709-BLK1	07-08-2009

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSG0109 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 07/02/09 Reported: 07/15/09 11:53	

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)									
P9G0622-DUP1									
Formaldehyde	3.890	3.890	IH11	ug, Total	0.0000027	10	P9G0622	PSG0109-14	07-07-2009
Acetaldehyde	11.20	11.12	IH11, RL7	ug, Total	0.717	10	P9G0622	PSG0109-14	07-09-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9G0622	PSG0109-14	07-07-2009
Acetone	3.660	3.694	IH11	ug, Total	0.925	10	P9G0622	PSG0109-14	07-07-2009
Propionaldehyde	1.970	1.958	IH10	ug, Total	0.611	10	P9G0622	PSG0109-14	07-07-2009
Crotonaldehyde	ND	<0.0300	IH10	ug, Total		10	P9G0622	PSG0109-14	07-07-2009
Butyraldehyde	3.530	3.526	IH11	ug, Total	0.113	10	P9G0622	PSG0109-14	07-07-2009
Benzaldehyde	0.4390	0.4416	IH10	ug, Total	0.591	10	P9G0622	PSG0109-14	07-07-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9G0622	PSG0109-14	07-07-2009
Valeraldehyde	1.040	1.019	IH10	ug, Total	2.04	10	P9G0622	PSG0109-14	07-07-2009
o-Tolualdehyde	0.4690	0.4686	IH10	ug, Total	0.0853	10	P9G0622	PSG0109-14	07-07-2009
m-Tolualdehyde	0.2620	0.2662	IH10	ug, Total	1.59	10	P9G0622	PSG0109-14	07-07-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9G0622	PSG0109-14	07-07-2009
Hexaldehyde	2.770	2.684	IH10	ug, Total	3.15	10	P9G0622	PSG0109-14	07-07-2009
2,5-Dimethyl Benzaldehyde	0.1010	0.09809	IH10	ug, Total	2.92	10	P9G0622	PSG0109-14	07-07-2009
P9G0622-DUP2									
Formaldehyde	0.7610	0.7646	IH11	ug, Total	0.472	10	P9G0622	PSG0109-24	07-07-2009
Acetaldehyde	2.190	2.197	IH11	ug, Total	0.319	10	P9G0622	PSG0109-24	07-07-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9G0622	PSG0109-24	07-07-2009
Acetone	0.5800	0.5819	IH11	ug, Total	0.327	10	P9G0622	PSG0109-24	07-07-2009
Propionaldehyde	0.3680	0.3713	IH10	ug, Total	0.893	10	P9G0622	PSG0109-24	07-07-2009
Crotonaldehyde	0.09820	0.09814	IH10	ug, Total	0.0611	10	P9G0622	PSG0109-24	07-07-2009
Butyraldehyde	0.4720	0.4702	IH11	ug, Total	0.382	10	P9G0622	PSG0109-24	07-07-2009
Benzaldehyde	0.2030	0.2046	IH10	ug, Total	0.785	10	P9G0622	PSG0109-24	07-07-2009
Isovaleraldehyde	0.06220	0.06155	IH10	ug, Total	1.05	10	P9G0622	PSG0109-24	07-07-2009
Valeraldehyde	0.2260	0.2253	IH10	ug, Total	0.31	10	P9G0622	PSG0109-24	07-07-2009
o-Tolualdehyde	0.1060	0.1107	IH10	ug, Total	4.34	10	P9G0622	PSG0109-24	07-07-2009
m-Tolualdehyde	0.04080	0.03445	IH10	ug, Total	16.9	10	P9G0622	PSG0109-24	07-07-2009
p-Tolualdehyde	0.09850	0.09665	IH10	ug, Total	1.9	10	P9G0622	PSG0109-24	07-07-2009
Hexaldehyde	0.7550	0.7595	IH10	ug, Total	0.594	10	P9G0622	PSG0109-24	07-07-2009
2,5-Dimethyl Benzaldehyde	0.04220	0.04181	IH10	ug, Total	0.928	10	P9G0622	PSG0109-24	07-07-2009

LCS

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

Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSG0109 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 07/02/09 Reported: 07/15/09 11:53	

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

P9G0622-BS1

Formaldehyde	0.45	0.5347	IH11	ug, Total	119%	22-134	P9G0622	07-06-2009
Acetaldehyde	0.45	0.4854	IH11	ug, Total	108%	51-142	P9G0622	07-06-2009
Acrolein	0.45	0.1948	IH10, L2	ug, Total	43%	75-125	P9G0622	07-06-2009
Acetone	0.45	0.9259	IH11, IH5	ug, Total	206%	75-125	P9G0622	07-06-2009
Propionaldehyde	0.45	0.7561	IH10, IH5	ug, Total	168%	67-145	P9G0622	07-06-2009
Crotonaldehyde	0.45	0.3780	IH10	ug, Total	84%	66-146	P9G0622	07-06-2009
Butyraldehyde	0.45	0.5249	IH11	ug, Total	117%	56-141	P9G0622	07-06-2009
Benzaldehyde	0.45	0.4696	IH10	ug, Total	104%	57-142	P9G0622	07-06-2009
Isovaleraldehyde	0.45	0.4617	IH10	ug, Total	103%	66-144	P9G0622	07-06-2009
Valeraldehyde	0.45	0.4768	IH10	ug, Total	106%	66-144	P9G0622	07-06-2009
o-Tolualdehyde	0.45	0.4878	IH10	ug, Total	108%	39-130	P9G0622	07-06-2009
m-Tolualdehyde	0.45	0.4613	IH10	ug, Total	103%	73-143	P9G0622	07-06-2009
p-Tolualdehyde	0.45	0.4305	IH10	ug, Total	96%	66-147	P9G0622	07-06-2009
Hexaldehyde	0.45	0.4761	IH10	ug, Total	106%	65-145	P9G0622	07-06-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4424	IH10	ug, Total	98%	75-144	P9G0622	07-06-2009

Inorganic Acids by NIOSH 7903 (Modified)

P9G0709-BS1

Hydrochloric Acid	10.3	10.16	IH10	ug, Total	99%	70-130	P9G0709	07-08-2009
Hydrofluoric Acid	10.5	9.185	IH10	ug, Total	88%	70-130	P9G0709	07-08-2009

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)												
P9G0622-BSD1												
Formaldehyde		0.5352	IH11	ug, Total	0.45	119%	22-134	0.0935	20	P9G0622		07-06-2009
Acetaldehyde		0.4774	IH11	ug, Total	0.45	106%	51-142	1.66	20	P9G0622		07-06-2009
Acrolein		0.1967	IH10, L2	ug, Total	0.45	44%	75-125	0.971	20	P9G0622		07-06-2009
Acetone		0.9329	IH11,	ug, Total	0.45	207%	75-125	0.753	20	P9G0622		07-06-2009
Propionaldehyde		0.7456	IH10,	ug, Total	0.45	166%	67-145	1.4	20	P9G0622		07-06-2009
Crotonaldehyde		0.3779	IH10	ug, Total	0.45	84%	66-146	0.0265	20	P9G0622		07-06-2009
Butyraldehyde		0.5188	IH11	ug, Total	0.45	115%	56-141	1.17	20	P9G0622		07-06-2009
Benzaldehyde		0.4651	IH10	ug, Total	0.45	103%	57-142	0.963	20	P9G0622		07-06-2009
Isovaleraldehyde		0.4563	IH10	ug, Total	0.45	101%	66-144	1.18	20	P9G0622		07-06-2009
Valeraldehyde		0.4768	IH10	ug, Total	0.45	106%	66-144	0.0000 0111	20	P9G0622		07-06-2009
o-Tolualdehyde		0.4892	IH10	ug, Total	0.45	109%	39-130	0.287	20	P9G0622		07-06-2009
m-Tolualdehyde		0.4654	IH10	ug, Total	0.45	103%	73-143	0.885	20	P9G0622		07-06-2009
p-Tolualdehyde		0.4364	IH10	ug, Total	0.45	97%	66-147	1.36	20	P9G0622		07-06-2009
Hexaldehyde		0.4732	IH10	ug, Total	0.45	105%	65-145	0.611	20	P9G0622		07-06-2009
2,5-Dimethyl Benzaldehyde		0.4453	IH10	ug, Total	0.45	99%	75-144	0.653	20	P9G0622		07-06-2009
Inorganic Acids by NIOSH 7903 (Modified)												
P9G0709-BSD1												
Hydrochloric Acid		9.264	IH10	ug, Total	10.3	90%	70-130	9.23	30	P9G0709		07-08-2009
Hydrofluoric Acid		8.843	IH10	ug, Total	10.5	84%	70-130	3.79	30	P9G0709		07-08-2009

TestAmerica
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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

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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.
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

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #27

August 12, 2009

APPENDIX C. Laboratory Analytical Results from Event #129:
Sampling conducted Friday, July 3 to Saturday, July 4

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

Lawhon & Associates, Inc.

Client Sample ID: SU-C070309

GC/MS Volatiles

Lot-Sample #	H9G080174 - 001	Work Order #	LF6LQ1AA	Matrix.....:	AIR

Date Sampled...:	07/03/2009	Date Received..:	07/08/2009
Prep Date.....:	07/14/2009	Analysis Date...	07/14/2009
Prep Batch #.....:	9196039		
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	**5.0**	**5.0**	**12**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.22**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.076**	**0.50**	**0.31**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.12**	**0.50**	**0.43**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.084**	**2.0**	**0.25**	**J**	**6.1**
Methylene chloride	**0.18**	**0.50**	**0.62**	**J**	**1.7**
Benzene	**0.19**	**0.20**	**0.61**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.083**	**1.0**	**0.24**	**J**	**2.9**
Toluene	**0.27**	**0.20**	**1.0**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.073**	**0.20**	**0.56**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.51**	**1.0**	**1.5**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	ND	0.50	ND		2.0
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.054**	**0.50**	**0.17**	**J**	**1.6**
Carbon tetrachloride	**0.072**	**0.20**	**0.45**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C070309

GC/MS Volatiles

Lot-Sample # H9G080174 - 001 Work Order # LF6LQ1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.56**	**0.50**	**1.2**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.43**	**0.20**	**2.1**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	99	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-G070309

GC/MS Volatiles

Lot-Sample #	H9G080174 - 002	**Work Order #**	LF6L01AA	**Matrix.....:**	AIR

Date Sampled...:	07/03/2009	**Date Received..:**	07/08/2009
Prep Date.....:	07/14/2009	**Analysis Date...**	07/14/2009
Prep Batch #.....:	9196039		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**13**	**5.0**	**32**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.10**	**0.50**	**0.43**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.22**	**0.50**	**0.77**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.044**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	**0.14**	**2.0**	**0.41**	**J**	**6.1**
Methylene chloride	**0.15**	**0.50**	**0.52**	**J**	**1.7**
Benzene	**0.19**	**0.20**	**0.61**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.085**	**1.0**	**0.25**	**J**	**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	**0.073**	**0.20**	**0.56**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.14**	**0.20**	**0.61**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.1**	**1.0**	**6.1**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.12**	**0.50**	**0.48**	**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	**0.065**	**0.50**	**0.20**	**J**	**1.6**
Carbon tetrachloride	**0.075**	**0.20**	**0.47**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G070309

GC/MS Volatiles

Lot-Sample # H9G080174 - 002 Work Order # LF6L01AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.64**	**0.50**	**1.3**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.46**	**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	99	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-S070309

GC/MS Volatiles

Lot-Sample #	H9G080174 - 003	Work Order #	LF6L31AA	Matrix.....:	AIR

Date Sampled...:	07/03/2009	Date Received..:	07/08/2009
Prep Date.....:	07/14/2009	Analysis Date...	07/14/2009
Prep Batch #.....:	9196039		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**21**	**5.0**	**50**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.079**	**0.50**	**0.32**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.22**	**0.50**	**0.77**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.056**	**0.50**	**0.26**	**J**	**2.3**
tert-Butyl alcohol	**0.16**	**2.0**	**0.47**	**J**	**6.1**
Methylene chloride	**0.16**	**0.50**	**0.57**	**J**	**1.7**
Benzene	**0.19**	**0.20**	**0.60**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.41**	**0.20**	**1.5**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.076**	**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	**0.076**	**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**	**0.92**		**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.7**	**1.0**	**8.1**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.18**	**0.50**	**0.74**	**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	**0.081**	**0.50**	**0.25**	**J**	**1.6**
Carbon tetrachloride	**0.084**	**0.20**	**0.53**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S070309

GC/MS Volatiles

Lot-Sample # H9G080174 - 003 Work Order # LF6L31AA 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	**0.46**	**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	100	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-W070309

GC/MS Volatiles

Lot-Sample #	H9G080174 - 004	Work Order #	LF6L41AA	Matrix.....:	AIR

Date Sampled...:	07/03/2009	Date Received..:	07/08/2009
Prep Date.....:	07/14/2009	Analysis Date...	07/14/2009
Prep Batch #.....:	9196039		
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	**29**	**5.0**	**70**		**12**
Ethylbenzene	**0.070**	**0.20**	**0.30**	**J**	**0.87**
Trichlorofluoromethane	**0.29**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.10**	**0.50**	**0.43**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.30**	**0.50**	**1.1**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.044**	**0.50**	**0.20**	**J**	**2.3**
tert-Butyl alcohol	**0.35**	**2.0**	**1.1**	**J**	**6.1**
Methylene chloride	**0.23**	**0.50**	**0.80**	**J**	**1.7**
Benzene	**0.18**	**0.20**	**0.59**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.25**	**1.0**	**0.74**	**J**	**2.9**
Toluene	**0.39**	**0.20**	**1.5**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.076**	**0.20**	**0.58**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.076**	**0.20**	**0.38**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.064**	**0.20**	**0.28**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.18**	**0.20**	**0.78**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**4.9**	**1.0**	**14**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.31**	**0.50**	**1.3**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		.0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.13**	**0.50**	**0.41**	**J**	**1.6**
Carbon tetrachloride	**0.078**	**0.20**	**0.49**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W070309

GC/MS Volatiles

Lot-Sample # H9G080174 - 004 Work Order # LF6L41AA 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	**0.055**	**0.20**	**0.15**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.65**	**0.50**	**1.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.042**	**0.50**	**0.15**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.49**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	100	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-COG070309

GC/MS Volatiles

Lot-Sample #	H9G080174 - 005	**Work Order #**	LF6L61AA	**Matrix.....:**	AIR

Date Sampled...:	07/03/2009	**Date Received..:**	07/08/2009
Prep Date.....:	07/14/2009	**Analysis Date...**	07/14/2009
Prep Batch #.....:	9196039		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**8.1**	**5.0**	**19**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.085**	**0.50**	**0.35**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.19**	**0.50**	**0.66**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.045**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	**0.11**	**2.0**	**0.34**	**J**	**6.1**
Methylene chloride	**0.19**	**0.50**	**0.66**	**J**	**1.7**
Benzene	**0.20**	**0.20**	**0.64**		**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.63**	**1.0**	**1.9**	**J**	**2.9**
Toluene	**0.36**	**0.20**	**1.4**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.070**	**0.20**	**0.54**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.082**	**0.20**	**0.40**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.067**	**0.20**	**0.29**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.18**	**0.20**	**0.78**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.99**	**1.0**	**2.9**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.080**	**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	ND	0.50	ND		1.6
Carbon tetrachloride	**0.087**	**0.20**	**0.55**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COG070309

GC/MS Volatiles

Lot-Sample # H9G080174 - 005 Work Order # LF6L61AA 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	**0.57**	**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	**0.44**	**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	102	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 # H9G150000 - 039B **Work Order #** LGG101AA **Matrix.....:** AIR

	07/07/2009	**Date Received..:**	07/08/2009
Prep Date.....:	07/14/2009	**Analysis Date...**	07/14/2009
Prep Batch #.....:	9196039		
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 # H9G150000 - 039B Work Order # LGG101AA 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	98	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 # H9G150000 - 039C **Work Order #** LGG101AC **Matrix.....:** AIR

	07/07/2009	**Date Received..:**	07/08/2009
Prep Date.....:	07/14/2009	**Analysis Date...**	07/14/2009
Prep Batch #.....:	9196039		
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	9.56	57	43	76	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	12.5	11.9	87	83	95	60 - 140
Acetone	12.5	8.20	30	19	66	60 - 140
Ethylbenzene	12.5	9.15	54	40	73	70 - 130
Trichlorofluoromethane	12.5	11.6	70	65	92	60 - 140
n-Heptane	12.5	13.1	51	54	105	70 - 130
Hexachlorobutadiene	12.5	10.6	130	110	85	60 - 140
n-Hexane	12.5	12.7	44	45	102	70 - 130
2,2,4-Trimethylpentane	12.5	12.3	58	58	99	70 - 130
tert-Butyl alcohol	12.5	10.7	38	32	86	60 - 140
Methylene chloride	12.5	11.3	43	39	91	70 - 130
Benzene	12.5	10.9	40	35	87	70 - 130
Styrene	12.5	10.5	53	45	84	70 - 130
1,1,2,2-Tetrachloroethane	12.5	9.27	86	64	74	70 - 130
Tetrachloroethene	12.5	10.3	85	70	83	70 - 130
Tetrahydrofuran	12.5	10.3	37	30	82	70 - 130
Toluene	12.5	9.28	47	35	74	70 - 130
1,2,4-Trichlorobenzene	12.5	11.2	93	83	90	60 - 140
1,1,1-Trichloroethane	12.5	12.0	68	65	96	70 - 130
1,1,2-Trichloroethane	12.5	8.85	68	48	71	70 - 130
Trichloroethene	12.5	13.0	67	70	104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	12.5	13.4	96	100	107	70 - 130
1,2,4-Trimethylbenzene	12.5	9.64	61	47	77	70 - 130
1,3,5-Trimethylbenzene	12.5	9.64	61	47	77	70 - 130
Vinyl chloride	12.5	12.2	32	31	98	70 - 130
o-Xylene	12.5	8.93	54	39	71	70 - 130
Methyl tert-butyl ether	12.5	9.03	45	33	72	60 - 140
m-Xylene & p-Xylene	25.0	18.4	110	80	74	70 - 130
Bromodichloromethane	12.5	12.3	84	83	99	70 - 130
1,2-Dibromoethane (EDB)	12.5	9.24	96	71	74	70 - 130
2-Butanone (MEK)	12.5	8.71	37	26	70	60 - 140
4-Methyl-2-pentanone (MIBK)	12.5	13.5	51	55	108	60 - 140
Vinyl bromide	12.5	12.0	55	52	96	60 - 140
Bromoform	12.5	9.99	130	100	80	70 - 130
Bromomethane	12.5	10.9	49	42	87	70 - 130
1,3-Butadiene	12.5	13.9	28	31	111	60 - 140
4-Ethyltoluene	12.5	9.46	61	46	76	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9G150000 - 039C Work Order # LGG101AC 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	11.8	39	37	94	70 - 130
Carbon tetrachloride	12.5	16.0	79	100	128	70 - 130
Chlorobenzene	12.5	8.86	58	41	71	70 - 130
Dibromochloromethane	12.5	10.9	110	93	87	70 - 130
Chloroethane	12.5	11.4	33	30	91	70 - 130
Chloroform	12.5	11.4	61	56	91	70 - 130
Chloromethane	12.5	13.5	26	28	108	60 - 140
3-Chloropropene	12.5	14.1	39	44	113	70 - 130
2-Chlorotoluene	12.5	8.96	65	46	72	70 - 130
Cyclohexane	12.5	13.1	43	45	105	70 - 130
1,2-Dichlorobenzene	12.5	8.80	75	53	70	70 - 130
1,3-Dichlorobenzene	12.5	9.02	75	54	72	70 - 130
1,4-Dichlorobenzene	12.5	9.10	75	55	73	70 - 130
Dichlorodifluoromethane	12.5	11.7	62	58	94	60 - 140
1,1-Dichloroethane	12.5	12.4	51	50	100	70 - 130
1,2-Dichloroethane	12.5	11.3	51	46	91	70 - 130
1,1-Dichloroethene	12.5	13.8	50	55	111	70 - 130
cis-1,2-Dichloroethene	12.5	12.2	50	48	97	70 - 130
trans-1,2-Dichloroethene	12.5	11.6	50	46	93	70 - 130
1,2-Dichloropropane	12.5	11.1	58	51	89	70 - 130
cis-1,3-Dichloropropene	12.5	10.5	57	48	84	70 - 130

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)

Sample Receipt Documentation

H9G080174

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

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

~~2016 Freeman Avenue~~
~~Cincinnati, OH 45202~~
~~Phone: (513) 621-2380~~
~~Fax: (513) 621-0789~~

№ 8363

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7240
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, Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Method TO-15	Analysis VOC	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C070309				7/3/09	1440	Cell Tower	1			X			0128
SU-G070309				7/3/09	1440	Campground	1			X			12257
SU-S070309				7/3/09	1440	School	1			X			7480
SU-W070309				7/3/09	1440	Wetland	1			X			62342N
SU-CG070309				7/3/09	1440	Co-located Campground	1			X			6619

custody seal intact
rec. at ambient temp.
1 box
Fed ex # 8694 2482 7240
6 cans | 6 flows
DGY 7/8/09

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	7/7/09 1600	Daniel Yoder	7/8/09 9:45				
	7/7/09 0800						

Comments:

Distributor: White - File; Yellow - Lab

149608074

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: Nick Iannaggi
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-C 07 03 09	7/3/09	15:00	15:00	-29.0	-5.5	K105	0128	X											
SU-G 07 03 09	↓	↓	↓	-29.5	0	K120	12257	X											
SU-S 07 03 09				-29.0	-0.5	K394	7480	X											
SU-W 07 03 09				-29.0	-5	K467	62342N	X											
SU-COG 07 03 09				-28.0	-4.5	K315	6619	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Canisters Shipped by:	Date/Time: 7/7/09 / 16:00	Canisters Received by:	
Samples Relinquished by:	Date/Time: 7/7/09 08:00	Received by:	7/8/09 9:45
Relinquished by:	Date/Time:	Received by:	

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9G080174

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓	✓ DKD 7-8-09		☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☑ 1g Other: DKD 7-8-09	~~1gcan id 62342N on COC should be can id 62342.~~ DKD 7-8-09
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			✓	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: 82675 PM Instructions: _____

Sample Receiving Associate: David Nguyen Date: 7/8/09

QA026R20.doc, 060409

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

July 20, 2009

LABORATORY REPORT

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

Work Order: PSG0395
Project Name: Countywide - Ambient Air
Project Number: Countywide / 07-0082
Date Received: 07/08/09

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°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

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

Work Order: PSG0395
Project: Countywide - Ambient Air
Project Number: Countywide / 07-0082

Received: 07/08/09
Reported: 07/20/09 14:57

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C070309-01H	PSG0395-01	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
C070309-02H	PSG0395-02	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
C070309-03H	PSG0395-03	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
G070309-01H	PSG0395-04	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
G070309-02H	PSG0395-05	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
G070309-03H	PSG0395-06	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
S070309-01H	PSG0395-07	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
S070309-02H	PSG0395-08	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
S070309-03H	PSG0395-09	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
W070309-01H	PSG0395-10	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
W070309-02H	PSG0395-11	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
W070309-03H	PSG0395-12	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
070309A-H	PSG0395-13	07/03/09	Silica Gel tube, 200/400 mg Specially cleaned
C070309-01A	PSG0395-14	07/03/09	DNPH Silica Gel Tube, 450 mg
C070309-02A	PSG0395-15	07/03/09	DNPH Silica Gel Tube, 450 mg
C070309-03A	PSG0395-16	07/03/09	DNPH Silica Gel Tube, 450 mg
G070309-01A	PSG0395-17	07/03/09	DNPH Silica Gel Tube, 450 mg
G070309-02A	PSG0395-18	07/03/09	DNPH Silica Gel Tube, 450 mg
G070309-03A	PSG0395-19	07/03/09	DNPH Silica Gel Tube, 450 mg
S070309-01A	PSG0395-20	07/03/09	DNPH Silica Gel Tube, 450 mg
S070309-02A	PSG0395-21	07/03/09	DNPH Silica Gel Tube, 450 mg
S070309-03A	PSG0395-22	07/03/09	DNPH Silica Gel Tube, 450 mg
W070309-01A	PSG0395-23	07/03/09	DNPH Silica Gel Tube, 450 mg
W070309-02A	PSG0395-24	07/03/09	DNPH Silica Gel Tube, 450 mg
W070309-03A	PSG0395-25	07/03/09	DNPH Silica Gel Tube, 450 mg
070309A-A	PSG0395-26	07/03/09	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: PSG0395 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 07/08/09 Reported: 07/20/09 14:57	

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified)								
Sample ID: PSG0395-14 (C070309-01A)		**Tube**		**Sample Air Volume:184.8L**				**Sampled: 07/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0734	0.0003972	0.00007237	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.43	0.03479	0.01931	I10, IH11, RI	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.159	0.0008604	0.0004776	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	6.27	0.03393	0.01883	IH11, RL7	7/17/2009	zn	0.300	EPA TO-11A
Acetone	2.31	0.0125	0.005262	IH10, IH11	7/16/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.822	0.004448	0.001873	IH10	7/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.49	0.008063	0.003394	IH11	7/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001623	<0.0000708	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.302	0.001634	0.0003765	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	2.10	0.01136	0.003853	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.298	0.001613	0.0005468	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.80	0.00974	0.003303	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.203	0.001098	0.0003832	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.94	0.0105	0.008547	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0910	0.0004924	0.0004009	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.85	0.01001	0.008151	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.24	0.01212	0.002959	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.465	0.002516	0.0007143	IH10	7/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.164	0.0008874	0.0001806	IH10	7/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.295	0.001596	0.0003248	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.15	0.006223	0.00262	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0440	0.0002381	0.0001002	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.11	0.006006	0.002529	IH10	7/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0472	0.0002554	0.00005198	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.721	0.003902	0.001108	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0395-15 (C070309-02A)		**Tube**		**Sample Air Volume:164.16L**				**Sampled: 07/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0976	0.0005945	0.0001083	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.92	0.0117	0.006492	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.109	0.000664	0.0003685	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.81	0.01103	0.00612	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Acetone	0.454	0.002766	0.001164	IH10, IH11	7/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001827	<0.0000797	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.184	0.001121	0.0002582	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.511	0.003113	0.001055	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0747	0.000455	0.0001543	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.436	0.002656	0.0009005	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0622	0.0003789	0.0001322	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.836	0.005093	0.004146	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0746	0.0004544	0.00037	IH11	7/16/2009	zn	0.0300	EPA TO-11A

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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: PSG0395 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 07/08/09 Reported: 07/20/09 14:57	

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

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSG0395-15 (C070309-02A) - cont.	**Tube**		**Sample Air Volume:164.16L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Formaldehyde - Front	0.761	0.004636	0.003774	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.838	0.005105	0.001246	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0999	0.0006086	0.0001728	IH10	7/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.125	0.0007615	0.000155	IH10	7/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.200	0.001218	0.0002479	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.399	0.002431	0.001023	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0350	0.0002132	0.00008975	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.364	0.002217	0.0009334	IH10	7/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001827	<0.00003719	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.351	0.002138	0.000607	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0395-16 (C070309-03A)	**Tube**		**Sample Air Volume:195.84L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.109	0.0005566	0.0001014	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.91	0.02507	0.01392	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0828	0.0004228	0.0002347	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.83	0.02466	0.01369	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Acetone	2.54	0.01297	0.00546	IH10, IH11	7/16/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.318	0.001624	0.0006836	IH10	7/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.22	0.01134	0.004772	IH11	7/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001532	<0.00006681	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.243	0.001241	0.0002859	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.0532	0.0002717	0.00009211	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0532	0.0002717	0.00009211	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	<0.0300	<0.0001532	<0.00005194	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.145	0.0007404	0.0002583	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.71	0.008732	0.007109	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0830	0.0004238	0.0003451	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.63	0.008323	0.006777	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.40	0.007149	0.001745	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.342	0.001746	0.0004957	IH10	7/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.146	0.0007455	0.0001517	IH10	7/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.280	0.00143	0.0002909	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.780	0.003983	0.001677	IH10	7/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0622	0.0003176	0.00006463	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.502	0.002563	0.0007277	IH10	7/16/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG0395-17 (G070309-01A) **Tube** **Sample Air Volume:137.76L** **Sampled: 07/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0723	0.0005248	0.00009563	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.44	0.02497	0.01386	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0902	0.0006548	0.0003634	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.35	0.02432	0.0135	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Acetone	1.56	0.01132	0.004767	IH10, IH11	7/16/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.542	0.003934	0.001656	IH10	7/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.02	0.007404	0.003117	IH11	7/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002178	<0.00009497	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.422	0.003063	0.0007058	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.149	0.001082	0.0003667	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.149	0.001082	0.0003667	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	<0.0300	<0.0002178	<0.00007384	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.107	0.0007767	0.0002709	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.93	0.01401	0.01141	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.102	0.0007404	0.0006028	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.83	0.01328	0.01082	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.68	0.0122	0.002977	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.317	0.002301	0.0006532	IH10	7/16/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.137	0.0009945	0.0002024	IH10	7/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.235	0.001706	0.0003471	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.592	0.004297	0.001809	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0365	0.000265	0.0001115	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.555	0.004029	0.001696	IH10	7/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002178	<0.00004432	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.480	0.003484	0.0009891	IH10	7/16/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG0395-18 (G070309-02A) **Tube** **Sample Air Volume:108.48L** **Sampled: 07/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0932	0.0008591	0.0001566	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.28	0.0118	0.006549	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0370	0.0003411	0.0001893	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.24	0.01143	0.006345	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Acetone	0.447	0.004121	0.001735	IH10, IH11	7/16/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002765	<0.0001206	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.242	0.002231	0.000514	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.350	0.003226	0.001094	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0411	0.0003789	0.0001285	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.309	0.002848	0.0009658	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0446	0.0004111	0.0001434	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.858	0.007909	0.00644	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0444	0.0004093	0.0003332	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.814	0.007504	0.006109	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.772	0.007117	0.001737	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.130	0.001198	0.0003402	IH10	7/16/2009	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: PSG0395-18 (G070309-02A) - cont.	**Tube**		**Sample Air Volume:108.48L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
m-Tolualdehyde	0.111	0.001023	0.0002082	IH10	7/16/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.154	0.00142	0.0002889	IH10, IH11	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.242	0.002231	0.0009391	IH10	7/16/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002765	<0.00005628	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.260	0.002397	0.0006804	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0395-19 (G070309-03A)	**Tube**		**Sample Air Volume:153.12L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0737	0.0004813	0.00008771	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.20	0.02743	0.01522	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0937	0.0006119	0.0003397	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.11	0.02684	0.0149	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetone	2.10	0.01371	0.005774	IH10, IH11	7/17/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.318	0.002077	0.0008743	IH10	7/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.78	0.01162	0.004894	IH11	7/17/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001959	<0.00008544	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.381	0.002488	0.0005733	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.0585	0.0003821	0.0001295	IH11, IH10	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0585	0.0003821	0.0001295	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	<0.0300	<0.0001959	<0.00006643	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.163	0.001065	0.0003713	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.28	0.01489	0.01212	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0888	0.0005799	0.0004722	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.19	0.0143	0.01164	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.45	0.00947	0.002312	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.277	0.001809	0.0005135	IH10	7/17/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.136	0.0008882	0.0001807	IH10	7/17/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	<0.0001959	<0.00003987	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.653	0.004265	0.001795	IH10	7/17/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001959	<0.00003987	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.472	0.003083	0.0008751	IH10	7/17/2009	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: PSG0395-20 (S070309-01A)	**Tube**		**Sample Air Volume:119.04L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.107	0.0008989	0.0001638	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.27	0.04427	0.02457	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.104	0.0008737	0.0004849	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.17	0.04343	0.02411	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetone	1.82	0.01529	0.006436	IH10, IH11	7/17/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.660	0.005544	0.002334	IH10	7/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.16	0.009745	0.004102	IH11	7/17/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000252	<0.0001099	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.263	0.002209	0.000509	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.39	0.01168	0.003959	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.208	0.001747	0.0005925	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.18	0.009913	0.003361	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.137	0.001151	0.0004015	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.44	0.0121	0.009849	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0680	0.0005712	0.0004651	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.37	0.01151	0.00937	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.68	0.01411	0.003445	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.314	0.002638	0.0007488	IH10	7/17/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.173	0.001453	0.0002957	IH10	7/17/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.250	0.0021	0.0004274	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.838	0.00704	0.002963	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0345	0.0002898	0.000122	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.804	0.006754	0.002843	IH10	7/17/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0668	0.0005612	0.0001142	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.545	0.004578	0.0013	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0395-21 (S070309-02A)	**Tube**		**Sample Air Volume:232.8L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0916	0.0003935	0.0000717	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.64	0.007045	0.00391	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.135	0.0005799	0.0003219	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.51	0.006486	0.0036	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetone	0.395	0.001697	0.0007143	IH10, IH11	7/17/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001289	<0.0000562	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.238	0.001022	0.0002355	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.430	0.001847	0.0006263	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0556	0.0002388	0.00008098	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.374	0.001607	0.0005447	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0696	0.000299	0.0001043	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.711	0.003054	0.002487	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0722	0.0003101	0.0002525	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.639	0.002745	0.002235	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.712	0.003058	0.0007466	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001289	<0.00003658	IH10	7/17/2009	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: PSG0395-21 (S070309-02A) - cont.	**Tube**		**Sample Air Volume:232.8L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
m-Tolualdehyde	0.149	0.00064	0.0001302	IH10	7/17/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.154	0.0006615	0.0001346	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.324	0.001392	0.0005859	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back (e)	0.0319	0.000137	0.00005768	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.292	0.001254	0.000528	IH10	7/17/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001289	<0.00002622	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.316	0.001357	0.0003853	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0395-22 (S070309-03A)	**Tube**		**Sample Air Volume:241.44L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.136	0.0005633	0.0001026	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.41	0.01827	0.01014	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0807	0.0003342	0.0001855	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.33	0.01793	0.009954	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetone	1.79	0.007414	0.003121	IH10, IH11	7/17/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001243	<0.00005419	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.296	0.001226	0.0002825	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.0544	0.0002253	0.0000764	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0544	0.0002253	0.0000764	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	<0.0300	<0.0001243	<0.00004213	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.124	0.0005136	0.0001792	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.57	0.006503	0.005294	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0710	0.0002941	0.0002394	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.50	0.006213	0.005058	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.40	0.005799	0.001415	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.328	0.001359	0.0003856	IH10	7/17/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.169	0.0007	0.0001424	IH10	7/17/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.333	0.001379	0.0002807	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.669	0.002771	0.001166	IH10	7/17/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0761	0.0003152	0.00006414	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.467	0.001934	0.0005491	IH10	7/17/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG0395-23 (W070309-01A) **Tube** **Sample Air Volume:223.68L** **Sampled: 07/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0901	0.0004028	0.0000734	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.55	0.02928	0.01625	I10, IH11, RI	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.184	0.0008226	0.0004566	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	6.37	0.02848	0.01581	IH11, RL7	7/17/2009	zn	0.300	EPA TO-11A
Acetone	1.92	0.008584	0.003613	IH10, IH11	7/17/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.690	0.003085	0.001299	IH10	7/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.23	0.005499	0.002315	IH11	7/17/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001341	<0.00005849	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.454	0.00203	0.0004676	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.75	0.007824	0.002653	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.249	0.001113	0.0003774	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.50	0.006706	0.002274	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.192	0.0008584	0.0002994	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.06	0.00921	0.007498	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0694	0.0003103	0.0002526	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.99	0.008897	0.007244	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.38	0.01064	0.002597	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.460	0.002057	0.0005838	IH10	7/17/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.166	0.0007421	0.000151	IH10	7/17/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.293	0.00131	0.0002666	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.06	0.004739	0.001995	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0367	0.0001641	0.00006907	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.02	0.00456	0.00192	IH10	7/17/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0434	0.000194	0.00003948	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.742	0.003317	0.0009417	IH10	7/17/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG0395-24 (W070309-02A) **Tube** **Sample Air Volume:228.96L** **Sampled: 07/03/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0479	0.0002092	0.00003812	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.36	0.00594	0.003297	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.102	0.0004455	0.0002473	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.26	0.005503	0.003055	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetone	0.427	0.001865	0.0007851	IH10, IH11	7/17/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000131	<0.00005714	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.222	0.0009696	0.0002234	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.352	0.001537	0.0005213	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0615	0.0002686	0.0000937	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.669	0.002922	0.002379	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0634	0.0002769	0.0002255	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.606	0.002647	0.002155	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.748	0.003267	0.0007975	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.119	0.0005197	0.0001475	IH10	7/17/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.102	0.0004455	0.00009066	IH10	7/17/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.115	0.0005023	0.0001022	IH10, IH11	7/17/2009	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: PSG0395-24 (W070309-02A) - cont.		**Tube**		**Sample Air Volume:228.96L**				**Sampled: 07/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
Propionaldehyde	0.253	0.001105	0.0004652	IH10	7/17/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.000131	<0.00002666	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.265	0.001157	0.0003286	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0395-25 (W070309-03A)		**Tube**		**Sample Air Volume:208.32L**				**Sampled: 07/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0958	0.0004599	0.0000838	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.29	0.02059	0.01143	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0790	0.0003792	0.0002105	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.21	0.02021	0.01122	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetone	2.36	0.01133	0.004769	IH10, IH11	7/17/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.325	0.00156	0.0006568	IH10	7/16/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.03	0.009745	0.004102	IH11	7/17/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000144	<0.0000628	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.349	0.001675	0.000386	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	<0.000144	<0.00004883	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.149	0.0007152	0.0002495	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.90	0.009121	0.007426	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0792	0.0003802	0.0003095	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.82	0.008737	0.007113	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.56	0.007488	0.001828	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.361	0.001733	0.0004919	IH10	7/17/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.137	0.0006576	0.0001338	IH10	7/17/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.334	0.001603	0.0003263	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.681	0.003269	0.001376	IH10	7/17/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0354	0.0001699	0.00003458	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.522	0.002506	0.0007113	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0395-26 (070309A-A)		**Tube**		**Sample Air Volume:L**				**Sampled: 07/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	<0.0300	--	--	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0808	--	--	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0329	--	--	IH10	7/16/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0479	--	--	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Acetone	<0.300	--	--	IH10, IH11	7/17/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	<0.0300	--	--	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.177	--	--	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0658	--	--	IH11	7/16/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.111	--	--	IH11	7/17/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	7/17/2009	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: PSG0395-26 (070309A-A) - cont.	**Tube**		**Sample Air Volume:L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
m-Tolualdehyde	<0.0300	--	--	IH10	7/17/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10, IH11	7/17/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	7/17/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	7/17/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	7/17/2009	zn	0.0300	EPA TO-11A

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

Inorganic Acids by NIOSH 7903 (Modified)

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Sample ID: PSG0395-01 (C070309-01H)	**Tube**		**Sample Air Volume:108.96L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	3.13	0.02873	0.01926	IH10	7/15/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.01955	<0.02389	IH10	7/15/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-02 (C070309-02H)	**Tube**		**Sample Air Volume:120.48L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.0166	<0.01113	IH10	7/15/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.01768	<0.0216	IH10	7/15/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-03 (C070309-03H)	**Tube**		**Sample Air Volume:118.56L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.01687	<0.01131	IH10	7/15/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.01797	<0.02195	IH10	7/15/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-04 (G070309-01H)	**Tube**		**Sample Air Volume:103.2L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.01938	<0.013	IH10	7/16/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.02064	<0.02522	IH10	7/16/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-05 (G070309-02H)	**Tube**		**Sample Air Volume:94.56L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.02115	<0.01418	IH10	7/16/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.02253	<0.02752	IH10	7/16/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-06 (G070309-03H)	**Tube**		**Sample Air Volume:97.44L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.02053	<0.01376	IH10	7/16/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.02186	<0.02671	IH10	7/16/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-07 (S070309-01H)	**Tube**		**Sample Air Volume:109.92L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.0182	<0.0122	IH10	7/16/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.01938	<0.02368	IH10	7/16/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-08 (S070309-02H)	**Tube**		**Sample Air Volume:169.92L**				**Sampled: 07/03/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.01177	<0.007893	IH10	7/16/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.01254	<0.01532	IH10	7/16/2009	man	2.13	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: PSG0395-09 (S070309-03H)		**Tube**		**Sample Air Volume:149.28L**				**Sampled: 07/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.0134	<0.008984	IH10	7/16/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.01427	<0.01743	IH10	7/16/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-10 (W070309-01H)		**Tube**		**Sample Air Volume:122.88L**				**Sampled: 07/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.01628	<0.01091	IH10	7/16/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.01733	<0.02118	IH10	7/16/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-11 (W070309-02H)		**Tube**		**Sample Air Volume:118.56L**				**Sampled: 07/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.01687	<0.01131	IH10	7/16/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.01797	<0.02195	IH10	7/16/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-12 (W070309-03H)		**Tube**		**Sample Air Volume:119.04L**				**Sampled: 07/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	<0.0168	<0.01127	IH10	7/16/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	<0.01789	<0.02186	IH10	7/16/2009	man	2.13	NIOSH 7903 (MOD)
Sample ID: PSG0395-13 (070309A-H)		**Tube**		**Sample Air Volume:L**				**Sampled: 07/03/09**
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.00	--	--	IH10	7/16/2009	man	2.00	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.13	--	--	IH10	7/16/2009	man	2.13	NIOSH 7903 (MOD)

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Lawhon and Associates, Inc. 975 Eastwind Drive, Suite 190 Westerville, OH 43081 Shawn Ansbro	Work Order: PSG0395 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 07/08/09 Reported: 07/20/09 14:57	

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)						
P9G1605-BLK1						
Formaldehyde	0.1044		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Formaldehyde - Back	0.05838		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Acetaldehyde	0.04415		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Acetaldehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Acrolein	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Acrolein - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Acetone	0.5733		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Acetone - Back	<0.300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Propionaldehyde	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Crotonaldehyde	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Butyraldehyde	0.04174		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Benzaldehyde	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Isovaleraldehyde	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Valeraldehyde	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
o-Tolualdehyde	0.03036		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
m-Tolualdehyde	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
p-Tolualdehyde	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Hexaldehyde	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9G1605	P9G1605-BLK1	07-16-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9G1533-BLK1						
Hydrochloric Acid	<2.12		ug, Total	P9G1533	P9G1533-BLK1	07-15-2009
Hydrochloric Acid - Back	<2.12		ug, Total	P9G1533	P9G1533-BLK1	07-15-2009
Hydrofluoric Acid	<2.18		ug, Total	P9G1533	P9G1533-BLK1	07-15-2009
Hydrofluoric Acid - Back	<2.18		ug, Total	P9G1533	P9G1533-BLK1	07-15-2009

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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)									
P9G1605-DUP1									
Formaldehyde	1.850	1.843	IH11	ug, Total	0.379	10	P9G1605	PSG0395-14	07-16-2009
Acetaldehyde	6.270	6.265	IH11, RL7	ug, Total	0.0798	10	P9G1605	PSG0395-14	07-17-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9G1605	PSG0395-14	07-16-2009
Acetone	1.490	1.470	IH11	ug, Total	1.35	10	P9G1605	PSG0395-14	07-16-2009
Propionaldehyde	1.110	1.102	IH10	ug, Total	0.723	10	P9G1605	PSG0395-14	07-16-2009
Crotonaldehyde	0.2030	0.2186	IH10	ug, Total	7.4	10	P9G1605	PSG0395-14	07-16-2009
Butyraldehyde	1.800	1.781	IH11	ug, Total	1.06	10	P9G1605	PSG0395-14	07-16-2009
Benzaldehyde	0.3020	0.2987	IH10	ug, Total	1.1	10	P9G1605	PSG0395-14	07-16-2009
Isovaleraldehyde	0.4650	0.4540	IH10	ug, Total	2.39	10	P9G1605	PSG0395-14	07-16-2009
Valeraldehyde	0.7210	0.7035	IH10	ug, Total	2.46	10	P9G1605	PSG0395-14	07-16-2009
o-Tolualdehyde	0.2950	0.2868	IH11	ug, Total	2.82	10	P9G1605	PSG0395-14	07-16-2009
m-Tolualdehyde	0.1640	0.1563	IH10	ug, Total	4.81	10	P9G1605	PSG0395-14	07-16-2009
p-Tolualdehyde	0.04720	0.04233	IH10, R-2	ug, Total	10.9	10	P9G1605	PSG0395-14	07-16-2009
Hexaldehyde	2.240	2.223	IH10	ug, Total	0.762	10	P9G1605	PSG0395-14	07-16-2009
2,5-Dimethyl Benzaldehyde	0.07340	0.06793	IH10	ug, Total	7.74	10	P9G1605	PSG0395-14	07-16-2009
P9G1605-DUP2									
Formaldehyde	0.6060	0.6061	IH11	ug, Total	0.0165	10	P9G1605	PSG0395-24	07-17-2009
Acetaldehyde	1.260	1.252	IH11	ug, Total	0.637	10	P9G1605	PSG0395-24	07-17-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9G1605	PSG0395-24	07-17-2009
Acetone	0.4270	0.4264	IH11	ug, Total	0.141	10	P9G1605	PSG0395-24	07-17-2009
Propionaldehyde	0.2530	0.2493	IH10	ug, Total	1.47	10	P9G1605	PSG0395-24	07-17-2009
Crotonaldehyde	0.06150	0.06266	IH10	ug, Total	1.87	10	P9G1605	PSG0395-24	07-17-2009
Butyraldehyde	0.3520	0.3555	IH11	ug, Total	0.989	10	P9G1605	PSG0395-24	07-17-2009
Benzaldehyde	0.2220	0.2292	IH10	ug, Total	3.19	10	P9G1605	PSG0395-24	07-17-2009
Isovaleraldehyde	0.1190	0.1282	IH10	ug, Total	7.44	10	P9G1605	PSG0395-24	07-17-2009
Valeraldehyde	0.2650	0.2628	IH10	ug, Total	0.834	10	P9G1605	PSG0395-24	07-17-2009
o-Tolualdehyde	0.1150	0.1148	IH11	ug, Total	0.174	10	P9G1605	PSG0395-24	07-17-2009
m-Tolualdehyde	0.1020	0.1019	IH10	ug, Total	0.0981	10	P9G1605	PSG0395-24	07-17-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9G1605	PSG0395-24	07-17-2009
Hexaldehyde	0.7480	0.7486	IH10	ug, Total	0.0802	10	P9G1605	PSG0395-24	07-17-2009
2,5-Dimethyl Benzaldehyde	0.04790	0.04922	IH10	ug, Total	2.72	10	P9G1605	PSG0395-24	07-17-2009

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)								
P9G1605-BS1								
Formaldehyde	0.45	0.5230	IH11	ug, Total	116%	22-134	P9G1605	07-16-2009
Acetaldehyde	0.45	0.4804	IH11	ug, Total	107%	51-142	P9G1605	07-16-2009
Acrolein	0.45	0.2047	IH10, L2	ug, Total	46%	75-125	P9G1605	07-16-2009
Acetone	0.45	0.8786	IH11, L1	ug, Total	195%	75-125	P9G1605	07-16-2009
Propionaldehyde	0.45	0.7015	IH10, IH5	ug, Total	156%	67-145	P9G1605	07-16-2009
Crotonaldehyde	0.45	0.3515	IH10	ug, Total	78%	66-146	P9G1605	07-16-2009
Butyraldehyde	0.45	0.4840	IH11	ug, Total	108%	56-141	P9G1605	07-16-2009
Benzaldehyde	0.45	0.4711	IH10	ug, Total	105%	57-142	P9G1605	07-16-2009
Isovaleraldehyde	0.45	0.4544	IH10	ug, Total	101%	66-144	P9G1605	07-16-2009
Valeraldehyde	0.45	0.4730	IH10	ug, Total	105%	66-144	P9G1605	07-16-2009
o-Tolualdehyde	0.45	0.4863	IH11	ug, Total	108%	39-130	P9G1605	07-16-2009
m-Tolualdehyde	0.45	0.4585	IH10	ug, Total	102%	73-143	P9G1605	07-16-2009
p-Tolualdehyde	0.45	0.4330	IH10	ug, Total	96%	66-147	P9G1605	07-16-2009
Hexaldehyde	0.45	0.4701	IH10	ug, Total	104%	65-145	P9G1605	07-16-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4449	IH10	ug, Total	99%	75-144	P9G1605	07-16-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9G1533-BS1								
Hydrochloric Acid	10.3	10.92		ug, Total	106%	70-130	P9G1533	07-15-2009
Hydrofluoric Acid	10.5	9.293		ug, Total	89%	70-130	P9G1533	07-15-2009

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)												
P9G1605-BSD1												
Formaldehyde		0.5506	IH11	ug, Total	0.45	122%	22-134	5.14	20	P9G1605		07-16-2009
Acetaldehyde		0.4851	IH11	ug, Total	0.45	108%	51-142	0.974	20	P9G1605		07-16-2009
Acrolein		0.2048	IH10, L2	ug, Total	0.45	46%	75-125	0.0488	20	P9G1605		07-16-2009
Acetone		0.7951	IH11, L1	ug, Total	0.45	177%	75-125	9.98	20	P9G1605		07-16-2009
Propionaldehyde		0.7216	IH10,	ug, Total	0.45	160%	67-145	2.82	20	P9G1605		07-16-2009
Crotonaldehyde		0.3918	IH10	ug, Total	0.45	87%	66-146	10.8	20	P9G1605		07-16-2009
Butyraldehyde		0.5013	IH11	ug, Total	0.45	111%	56-141	3.51	20	P9G1605		07-16-2009
Benzaldehyde		0.4623	IH10	ug, Total	0.45	103%	57-142	1.89	20	P9G1605		07-16-2009
Isovaleraldehyde		0.4591	IH10	ug, Total	0.45	102%	66-144	1.03	20	P9G1605		07-16-2009
Valeraldehyde		0.4788	IH10	ug, Total	0.45	106%	66-144	1.22	20	P9G1605		07-16-2009
o-Tolualdehyde		0.4911	IH11	ug, Total	0.45	109%	39-130	0.982	20	P9G1605		07-16-2009
m-Tolualdehyde		0.4598	IH10	ug, Total	0.45	102%	73-143	0.283	20	P9G1605		07-16-2009
p-Tolualdehyde		0.4345	IH10	ug, Total	0.45	97%	66-147	0.346	20	P9G1605		07-16-2009
Hexaldehyde		0.4824	IH10	ug, Total	0.45	107%	65-145	2.58	20	P9G1605		07-16-2009
2,5-Dimethyl Benzaldehyde		0.4469	IH10	ug, Total	0.45	99%	75-144	0.449	20	P9G1605		07-16-2009
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)												
P9G1533-BSD1												
Hydrochloric Acid		11.30		ug, Total	10.3	110%	70-130	3.42	30	P9G1533		07-15-2009
Hydrofluoric Acid		9.602		ug, Total	10.5	91%	70-130	3.27	30	P9G1533		07-15-2009

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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.
R-2	The RPD exceeded the acceptance limit.
RL7	Sample required dilution due to high concentration of target analyte.

ADDITIONAL COMMENTS

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #27

August 12, 2009

APPENDIX D. Laboratory Analytical Results from Event #130:
Sampling conducted Thursday, July 9 to Friday, July 10

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

Lawhon & Associates, Inc.

Client Sample ID: SU-C070909

GC/MS Volatiles

Lot-Sample #	H9G140185 - 001	Work Order #	LGF4N1AA	Matrix.....:	AIR

Date Sampled...:	07/09/2009	Date Received..:	07/14/2009
Prep Date.....:	07/16/2009	Analysis Date...	07/17/2009
Prep Batch #.....:	9198079		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**7.5**	**5.0**	**18**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.28**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.18**	**0.50**	**0.72**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.27**	**0.50**	**0.96**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.045**	**0.50**	**0.21**	**J**	**2.3**
tert-Butyl alcohol	**0.073**	**2.0**	**0.22**	**J**	**6.1**
Methylene chloride	**0.26**	**0.50**	**0.90**	**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	**0.088**	**1.0**	**0.26**	**J**	**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	**0.079**	**0.20**	**0.61**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.14**	**0.20**	**0.61**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**0.98**	**1.0**	**2.9**	**J**	**2.9**
4-Methyl-2-pentanone (MIBK)	**0.080**	**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	ND	0.50	ND		1.6
Carbon tetrachloride	**0.079**	**0.20**	**0.50**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C070909

GC/MS Volatiles

Lot-Sample # H9G140185 - 001 Work Order # LGF4N1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND	0.92
Dibromochloromethane	ND	0.20	ND	1.7
Chloroethane	ND	0.20	ND	0.53
Chloroform	ND	0.20	ND	0.98
Chloromethane	**0.58**	**0.50**	**1.2**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.49**	**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	100	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-G070909

GC/MS Volatiles

Lot-Sample # H9G140185 - 002 **Work Order #** LGF4Q1AA **Matrix.....:** AIR

Date Sampled...: 07/09/2009 **Date Received..:** 07/14/2009
Prep Date.....: 07/16/2009 **Analysis Date...** 07/17/2009
Prep Batch #.....: 9198079
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	**0.091**	**0.20**	**0.39**	**J**	**0.87**
Trichlorofluoromethane	**0.30**	**0.20**	**1.7**		**1.1**
n-Heptane	**0.23**	**0.50**	**0.94**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.39**	**0.50**	**1.4**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.043**	**0.50**	**0.20**	**J**	**2.3**
tert-Butyl alcohol	**0.14**	**2.0**	**0.41**	**J**	**6.1**
Methylene chloride	**0.37**	**0.50**	**1.3**	**J**	**1.7**
Benzene	**0.16**	**0.20**	**0.50**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.065**	**1.0**	**0.19**	**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	**0.074**	**0.20**	**0.57**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.092**	**0.20**	**0.45**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.064**	**0.20**	**0.28**	**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)	**3.7**	**1.0**	**11**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.22**	**0.50**	**0.91**	**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	**0.039**	**0.50**	**0.12**	**J**	**1.6**
Carbon tetrachloride	**0.078**	**0.20**	**0.49**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G070909

GC/MS Volatiles

Lot-Sample # H9G140185 - 002 Work Order # LGF4Q1AA 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	**0.060**	**0.50**	**0.21**	**J**	**1.7**
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.48**	**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	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: SU-S070909

GC/MS Volatiles

Lot-Sample #	H9G140185 - 003	Work Order #	LGF4T1AA	Matrix.....:	AIR

Date Sampled...:	07/09/2009	Date Received..:	07/14/2009
Prep Date.....:	07/16/2009	Analysis Date...	07/17/2009
Prep Batch #.....:	9198079		
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**	**51**		**12**
Ethylbenzene	**0.073**	**0.20**	**0.32**	**J**	**0.87**
Trichlorofluoromethane	**0.23**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.19**	**0.50**	**0.78**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.34**	**0.50**	**1.2**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.087**	**0.50**	**0.40**	**J**	**2.3**
tert-Butyl alcohol	**0.31**	**2.0**	**0.95**	**J**	**6.1**
Methylene chloride	**0.21**	**0.50**	**0.74**	**J**	**1.7**
Benzene	**0.23**	**0.20**	**0.74**		**0.64**
Styrene	**0.070**	**0.20**	**0.30**	**J**	**0.85**
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.19**	**1.0**	**0.56**	**J**	**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	**0.072**	**0.20**	**0.55**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.40**	**0.20**	**2.0**		**0.98**
1,3,5-Trimethylbenzene	**0.21**	**0.20**	**1.0**		**0.98**
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.14**	**0.20**	**0.60**	**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)	**3.3**	**1.0**	**9.7**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.20**	**0.50**	**0.82**	**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	**0.37**	**0.40**	**1.8**	**J**	**2.0**
Carbon disulfide	**0.071**	**0.50**	**0.22**	**J**	**1.6**
Carbon tetrachloride	**0.079**	**0.20**	**0.50**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S070909

GC/MS Volatiles

Lot-Sample # H9G140185 - 003 Work Order # LGF4T1AA 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	**0.045**	**0.20**	**0.12**	**J**	**0.53**
Chloroform	ND	0.20	ND		0.98
Chloromethane	**0.66**	**0.50**	**1.4**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	**0.068**	**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	**0.47**	**0.20**	**2.3**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	**0.058**	**0.20**	**0.23**	**J**	**0.81**
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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-W070909

GC/MS Volatiles

Lot-Sample #	H9G140185 - 004	Work Order #	LGF4V1AA	Matrix.....:	AIR

Date Sampled...:	07/09/2009	Date Received..:	07/14/2009
Prep Date.....:	07/16/2009	Analysis Date...	07/17/2009
Prep Batch #.....:	9198079		
Dilution Factor.:	1	Method.....:	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**22**	**5.0**	**52**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.083**	**0.50**	**0.34**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.23**	**0.50**	**0.80**	**J**	**1.8**
2,2,4-Trimethylpentane	**0.039**	**0.50**	**0.18**	**J**	**2.3**
tert-Butyl alcohol	**0.21**	**2.0**	**0.63**	**J**	**6.1**
Methylene chloride	**0.18**	**0.50**	**0.64**	**J**	**1.7**
Benzene	**0.13**	**0.20**	**0.43**	**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	**0.24**	**0.20**	**0.91**		**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	**0.10**	**0.20**	**0.50**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.14**	**0.20**	**0.59**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**4.1**	**1.0**	**12**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.28**	**0.50**	**1.1**	**J**	**2.0**
Vinyl bromide	ND	0.20	ND		0.87
Bromoform	ND	0.20	ND		2.1
Bromomethane	ND	0.20	ND		0.78
1,3-Butadiene	ND	0.40	ND		0.88
4-Ethyltoluene	ND	0.40	ND		2.0
Carbon disulfide	**0.037**	**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-W070909

GC/MS Volatiles

Lot-Sample # H9G140185 - 004 Work Order # LGF4V1AA 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	**0.65**	**0.50**	**1.3**		**1.0**
3-Chloropropene	ND	0.20	ND		0.63
2-Chlorotoluene	ND	0.40	ND		2.1
Cyclohexane	ND	0.50	ND		1.7
1,2-Dichlorobenzene	ND	0.20	ND		1.2
1,3-Dichlorobenzene	ND	0.20	ND		1.2
1,4-Dichlorobenzene	ND	0.20	ND		1.2
Dichlorodifluoromethane	**0.49**	**0.20**	**2.4**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
4-Bromofluorobenzene	102	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-COW070909

GC/MS Volatiles

Lot-Sample #	H9G140185 - 005	**Work Order #**	LGF4W1AA	**Matrix.....:**	AIR

Date Sampled...:	07/09/2009	**Date Received..:**	07/14/2009
Prep Date.....:	07/16/2009	**Analysis Date...**	07/17/2009
Prep Batch #.....:	9198079		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**7.3**	**5.0**	**17**		**12**
Ethylbenzene	**0.069**	**0.20**	**0.30**	**J**	**0.87**
Trichlorofluoromethane	**0.24**	**0.20**	**1.3**		**1.1**
n-Heptane	**0.091**	**0.50**	**0.37**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.19**	**0.50**	**0.65**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.11**	**2.0**	**0.32**	**J**	**6.1**
Methylene chloride	**0.17**	**0.50**	**0.58**	**J**	**1.7**
Benzene	**0.16**	**0.20**	**0.50**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.65**	**1.0**	**1.9**	**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	**0.073**	**0.20**	**0.56**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.20**	**0.20**	**0.97**		**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	**0.076**	**0.20**	**0.33**	**J**	**0.87**
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.20**	**0.20**	**0.85**		**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)	**0.061**	**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	**0.051**	**0.50**	**0.16**	**J**	**1.6**
Carbon tetrachloride	**0.082**	**0.20**	**0.52**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COW070909

GC/MS Volatiles

Lot-Sample # H9G140185 - 005 Work Order # LGF4W1AA 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	**0.82**	**0.50**	**1.7**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.48**	**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	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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H9G170000 - 079B **Work Order #** LGMAR1AA **Matrix.....:** AIR

	07/09/2009	**Date Received..:**	07/14/2009
Prep Date.....:	07/16/2009	**Analysis Date...**	07/16/2009
Prep Batch #.....:	9198079		
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 # H9G170000 - 079B Work Order # LGMAR1AA 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	100	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 # H9G170000 - 079C **Work Order #** LGMAR1AC **Matrix.....:** AIR

	07/09/2009	**Date Received..:**	07/14/2009
Prep Date.....:	07/16/2009	**Analysis Date...**	07/16/2009
Prep Batch #.....:	9198079		
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	11.4	57	52	92	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	12.5	11.6	87	81	93	60 - 140
Acetone	12.5	10.8	30	26	86	60 - 140
Ethylbenzene	12.5	11.4	54	50	91	70 - 130
Trichlorofluoromethane	12.5	11.4	70	64	92	60 - 140
n-Heptane	12.5	12.6	51	52	101	70 - 130
Hexachlorobutadiene	12.5	12.8	130	140	102	60 - 140
n-Hexane	12.5	12.6	44	44	101	70 - 130
2,2,4-Trimethylpentane	12.5	11.8	58	55	94	70 - 130
tert-Butyl alcohol	12.5	12.4	38	37	99	60 - 140
Methylene chloride	12.5	11.3	43	39	90	70 - 130
Benzene	12.5	11.5	40	37	92	70 - 130
Styrene	12.5	13.1	53	56	105	70 - 130
1,1,2,2-Tetrachloroethane	12.5	11.6	86	80	93	70 - 130
Tetrachloroethene	12.5	10.9	85	74	87	70 - 130
Tetrahydrofuran	12.5	12.9	37	38	103	70 - 130
Toluene	12.5	10.9	47	41	87	70 - 130
1,2,4-Trichlorobenzene	12.5	13.8	93	100	110	60 - 140
1,1,1-Trichloroethane	12.5	12.3	68	67	98	70 - 130
1,1,2-Trichloroethane	12.5	10.7	68	58	86	70 - 130
Trichloroethene	12.5	12.0	67	64	96	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	12.5	13.4	96	100	107	70 - 130
1,2,4-Trimethylbenzene	12.5	11.9	61	59	95	70 - 130
1,3,5-Trimethylbenzene	12.5	12.0	61	59	96	70 - 130
Vinyl chloride	12.5	11.9	32	30	95	70 - 130
o-Xylene	12.5	11.3	54	49	90	70 - 130
Methyl tert-butyl ether	12.5	11.3	45	41	90	60 - 140
m-Xylene & p-Xylene	25.0	23.1	110	100	92	70 - 130
Bromodichloromethane	12.5	11.6	84	78	93	70 - 130
1,2-Dibromoethane (EDB)	12.5	10.9	96	84	87	70 - 130
2-Butanone (MEK)	12.5	10.9	37	32	87	60 - 140
4-Methyl-2-pentanone (MIBK)	12.5	14.9	51	61	119	60 - 140
Vinyl bromide	12.5	11.9	55	52	95	60 - 140
Bromoform	12.5	12.6	130	130	100	70 - 130
Bromomethane	12.5	10.6	49	41	84	70 - 130
1,3-Butadiene	12.5	13.5	28	30	108	60 - 140
4-Ethyltoluene	12.5	11.7	61	58	94	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9G170000 - 079C Work Order # LGMAR1AC 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	11.7	39	36	94	70 - 130
Carbon tetrachloride	12.5	14.9	79	94	119	70 - 130
Chlorobenzene	12.5	10.5	58	48	84	70 - 130
Dibromochloromethane	12.5	12.8	110	110	102	70 - 130
Chloroethane	12.5	11.3	33	30	90	70 - 130
Chloroform	12.5	11.7	61	57	94	70 - 130
Chloromethane	12.5	13.3	26	27	106	60 - 140
3-Chloropropene	12.5	13.9	39	44	111	70 - 130
2-Chlorotoluene	12.5	11.0	65	57	88	70 - 130
Cyclohexane	12.5	11.9	43	41	95	70 - 130
1,2-Dichlorobenzene	12.5	10.9	75	66	87	70 - 130
1,3-Dichlorobenzene	12.5	11.2	75	67	90	70 - 130
1,4-Dichlorobenzene	12.5	11.4	75	68	91	70 - 130
Dichlorodifluoromethane	12.5	11.5	62	57	92	60 - 140
1,1-Dichloroethane	12.5	12.6	51	51	101	70 - 130
1,2-Dichloroethane	12.5	12.3	51	50	99	70 - 130
1,1-Dichloroethene	12.5	13.9	50	55	111	70 - 130
cis-1,2-Dichloroethene	12.5	12.3	50	49	98	70 - 130
trans-1,2-Dichloroethene	12.5	11.7	50	46	94	70 - 130
1,2-Dichloropropane	12.5	11.0	58	51	88	70 - 130
cis-1,3-Dichloropropene	12.5	11.1	57	50	89	70 - 130

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

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

976 ~~929~~ Eastwind Drive, Suite 190 ~~211~~
Columbus, OH 43081
Phone: (614) 818-5200
Fax: (614) 818-5219

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

149G140185

№ 8370

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7262

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ Min	Sample Location	Number of Containers	Turn Around/Requirements	Analysis	Method	Expected Conc. (H,M,L)	Hold	Remarks: SUMMA CAN #
SU-C0709 09				7/9/09	1440	Cell Tower	1		X	VOC TO-15			1487
SU-G0709 09				7/9/09	1440	Campground	1		X				1142
SU-S0709 09				7/9/09	1440	School	1		X				00285N
SU-W0709 09				7/9/09	1440	Wetland	1		X				1122
SU-COW070909				7/9/09	1440	Co-located Wetland	1		X				12521

custody seal intact
rec. at ambient temp.
1 box
Fed ex # 8694 2482 7262
6 cans | 6 flows
DGY 7/14/09

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	7/13/09 1600						
[signature]	7/13/09 0800	[signature]	7/14/09 DY 7/14/09 10:00				

Comments:

Distributor: White - File; Yellow - Lab

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

Canister Samples Chain of Custody Record

H9614D185

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

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-C 07 09 09	7/9/09	15:00	15:00	-28	-6.5	131	1487	X											
SU-G 07 09 09	↓	↓	↓	-30	5.5	188	1142	X											
SU-S 07 09 09				-28	-5.0	464	00285N	X											
SU-W 07 09 09				-29.0	-5.5	251	1122	X											
SU-COW 07 09 09				-29.5	-3.5	374	12521	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return Can # 93048, did not use.

Canisters Shipped by:	Date/Time: 7/13/09 1600	Canisters Received by:
Samples Relinquished by:	Date/Time: 07/13/09 0800	Received by: 7/14/09 10:00
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9G140185

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

Quote #: 82675 PM Instructions: _____

Sample Receiving Associate: Daniel Yoder Date: 7/14/09

QA026R20.doc, 060409

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

July 28, 2009

LABORATORY REPORT

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

Work Order: PSG0771
Project Name: Countywide - Ambient Air
Project Number: Countywide / 07-0082
Date Received: 07/14/09

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 15°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.

NOTE: This report is a revision of the original report dated 07/28/09, to amend the Method Blank results for NIOSH 7903 which had been calculated incorrectly.

Approved By:

Denise Harrington

Denise Harrington
Project Manager

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

Work Order: PSG0771
Project: Countywide - Ambient Air
Project Number: Countywide / 07-0082

Received: 07/14/09
Reported: 07/28/09 18:30

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C070909-01H	PSG0771-01	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
C070909-02H	PSG0771-02	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
C070909-03H	PSG0771-03	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
G070909-01H	PSG0771-04	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
G070909-02H	PSG0771-05	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
G070909-03H	PSG0771-06	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
S070909-01H	PSG0771-07	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
S070909-02H	PSG0771-08	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
S070909-03H	PSG0771-09	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
W070909-01H	PSG0771-10	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
W070909-02H	PSG0771-11	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
W070909-03H	PSG0771-12	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
070909A-H	PSG0771-13	07/09/09	Silica Gel tube, 200/400 mg Specially cleaned
C070909-01A	PSG0771-14	07/09/09	DNPH Silica Gel Tube, 450 mg
C070909-02A	PSG0771-15	07/09/09	DNPH Silica Gel Tube, 450 mg
C070909-03A	PSG0771-16	07/09/09	DNPH Silica Gel Tube, 450 mg
G070909-01A	PSG0771-17	07/09/09	DNPH Silica Gel Tube, 450 mg
G070909-02A	PSG0771-18	07/09/09	DNPH Silica Gel Tube, 450 mg
G070909-03A	PSG0771-19	07/09/09	DNPH Silica Gel Tube, 450 mg
S070909-01A	PSG0771-20	07/09/09	DNPH Silica Gel Tube, 450 mg
S070909-02A	PSG0771-21	07/09/09	DNPH Silica Gel Tube, 450 mg
S070909-03A	PSG0771-22	07/09/09	DNPH Silica Gel Tube, 450 mg
W070909-01A	PSG0771-23	07/09/09	DNPH Silica Gel Tube, 450 mg
W070909-02A	PSG0771-24	07/09/09	DNPH Silica Gel Tube, 450 mg
W070909-03A	PSG0771-25	07/09/09	DNPH Silica Gel Tube, 450 mg
070909A-A	PSG0771-26	07/09/09	DNPH Silica Gel Tube, 450 mg

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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: PSG0771 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 07/14/09 Reported: 07/28/09 18:30	

ANALYTICAL REPORT

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

Sample ID: PSG0771-14 (C070909-01A) **Tube** **Sample Air Volume:139.68L** **Sampled: 07/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0445	0.0003186	0.00005805	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.500	0.00358	0.001987	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0351	0.0002513	0.0001395	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.465	0.003329	0.001848	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetone	1.24	0.008877	0.003737	IH10, IH11	7/18/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002148	<0.00009367	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.358	0.002563	0.0005905	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.318	0.002277	0.0007719	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0919	0.0006579	0.0002295	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.89	0.01353	0.01102	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0640	0.0004582	0.0003731	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.83	0.0131	0.01067	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.613	0.004389	0.001071	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.226	0.001618	0.0004593	IH10	7/18/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0762	0.0005455	0.000111	IH10	7/18/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.275	0.001969	0.0004006	IH10, IH11	7/18/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.196	0.001403	0.0005907	IH10	7/18/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002148	<0.00004371	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.314	0.002248	0.0006381	IH10	7/18/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG0771-15 (C070909-02A) **Tube** **Sample Air Volume:120L** **Sampled: 07/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0493	0.0004108	0.00007486	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.377	0.003142	0.001744	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0408	0.00034	0.0001887	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.336	0.0028	0.001554	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetone	0.775	0.006458	0.002719	IH10, IH11	7/18/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.00025	<0.000109	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.259	0.002158	0.0004973	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.265	0.002208	0.0007488	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0537	0.0004475	0.0001517	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.211	0.001758	0.0005962	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0656	0.0005467	0.0001907	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.896	0.007467	0.006079	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0692	0.0005767	0.0004695	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.827	0.006892	0.005611	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.345	0.002875	0.0007018	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0453	0.0003775	0.0001072	IH10	7/18/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0459	0.0003825	0.00007784	IH10	7/18/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.152	0.001267	0.0002578	IH10, IH11	7/18/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.132	0.0011	0.0004631	IH10	7/18/2009	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: PSG0771-15 (C070909-02A) - cont.	**Tube**		**Sample Air Volume:120L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
p-Tolualdehyde	<0.0300	<0.00025	<0.00005087	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.230	0.001917	0.0005441	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0771-16 (C070909-03A)	**Tube**		**Sample Air Volume:149.28L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0626	0.0004193	0.00007641	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.22	0.01487	0.008254	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0411	0.0002753	0.0001528	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	2.18	0.0146	0.008106	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetone	1.39	0.009311	0.00392	IH10, IH11	7/18/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000201	<0.00008764	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.403	0.0027	0.000622	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.852	0.005707	0.001935	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0471	0.0003155	0.000107	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.805	0.005393	0.001828	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.190	0.001273	0.000444	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.82	0.01219	0.009926	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0717	0.0004803	0.0003911	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.75	0.01172	0.009545	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.26	0.008441	0.00206	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0960	0.0006431	0.0001826	IH10	7/18/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0597	0.0003999	0.00008138	IH10	7/18/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.263	0.001762	0.0003585	IH11, IH10	7/18/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.440	0.002947	0.001241	IH10	7/18/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0641	0.0004294	0.00008738	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.469	0.003142	0.0008919	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0771-17 (G070909-01A)	**Tube**		**Sample Air Volume:131.52L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0621	0.0004722	0.00008604	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	3.76	0.02859	0.01587	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0887	0.0006744	0.0003743	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	3.67	0.0279	0.01549	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetone	2.73	0.02076	0.008738	IH10, IH11	7/19/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.393	0.002988	0.001258	IH10	7/18/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.34	0.01779	0.00749	IH11	7/19/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002281	<0.00009948	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.323	0.002456	0.0005658	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.69	0.01285	0.004357	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0482	0.0003665	0.0001243	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.64	0.01247	0.004228	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.200	0.001521	0.0005305	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.13	0.0238	0.01938	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0737	0.0005604	0.0004562	IH11	7/18/2009	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: PSG0771-17 (G070909-01A) - cont.	**Tube**		**Sample Air Volume:131.52L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Formaldehyde - Front	3.06	0.02327	0.01894	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.07	0.01574	0.003842	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002281	<0.00006475	IH10	7/19/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0490	0.0003726	0.00007582	IH10	7/19/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.222	0.001688	0.0003435	IH10, IH11	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.738	0.005611	0.002362	IH10	7/19/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.113	0.0008592	0.0001748	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.633	0.004813	0.001366	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0771-18 (G070909-02A)	**Tube**		**Sample Air Volume:109.92L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0654	0.000595	0.0001084	IH10	7/21/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.23	0.01119	0.006211	IH11	7/21/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0507	0.0004612	0.000256	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.18	0.01074	0.005959	IH11	7/21/2009	zn	0.0300	EPA TO-11A
Acetone	1.27	0.01155	0.004864	IH10, IH11	7/21/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.381	0.003466	0.001459	IH10	7/18/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.886	0.00806	0.003393	IH11	7/21/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002729	<0.000119	IH10	7/21/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.224	0.002038	0.0004695	IH10	7/21/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.0631	0.0005741	0.0001946	IH11	7/21/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0631	0.0005741	0.0001946	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	<0.0300	<0.0002729	<0.00009254	IH11	7/21/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0919	0.0008361	0.0002916	IH10	7/21/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.17	0.01064	0.008666	IH11	7/21/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0739	0.0006723	0.0005474	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.10	0.01001	0.008148	IH11	7/21/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.790	0.007187	0.001754	IH10	7/21/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002729	<0.00007748	IH10	7/21/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.120	0.001092	0.0002222	IH10	7/21/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.163	0.001483	0.0003018	IH10, IH11	7/21/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.283	0.002575	0.001084	IH10	7/21/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0452	0.0004112	0.00008368	IH10	7/21/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.335	0.003048	0.0008652	IH10	7/21/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG0771-19 (G070909-03A) **Tube** **Sample Air Volume:118.08L** **Sampled: 07/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0661	0.0005598	0.000102	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.80	0.04065	0.02256	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0737	0.0006242	0.0003464	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.73	0.04006	0.02223	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetone	2.35	0.0199	0.008378	IH10, IH11	7/19/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.529	0.00448	0.001886	IH10	7/18/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.82	0.01541	0.006489	IH11	7/19/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002541	<0.0001108	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.396	0.003354	0.0007727	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.40	0.01186	0.00402	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.115	0.0009739	0.0003302	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.29	0.01092	0.003704	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.274	0.00232	0.0008095	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.72	0.02304	0.01875	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0771	0.0006529	0.0005316	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.64	0.02236	0.0182	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.67	0.01414	0.003452	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0890	0.0007537	0.000214	IH10	7/19/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0549	0.0004649	0.00009461	IH10	7/19/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.291	0.002464	0.0005015	IH10, IH11	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.797	0.00675	0.002841	IH10	7/19/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.107	0.0009062	0.0001844	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.600	0.005081	0.001442	IH10	7/19/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG0771-20 (S070909-01A) **Tube** **Sample Air Volume:116.16L** **Sampled: 07/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0680	0.0005854	0.0001067	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.45	0.04692	0.02604	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.101	0.0008695	0.0004826	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.35	0.04606	0.02556	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetone	3.35	0.02884	0.01214	IH10, IH11	7/19/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.422	0.003633	0.001529	IH10	7/18/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.93	0.02522	0.01062	IH11	7/19/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002583	<0.0001126	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.286	0.002462	0.0005673	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	2.17	0.01868	0.006334	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0593	0.0005105	0.0001731	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	2.11	0.01816	0.006159	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.202	0.001739	0.0006066	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.38	0.02049	0.01668	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0801	0.0006896	0.0005614	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.30	0.0198	0.01612	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.24	0.01928	0.004707	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0002583	<0.00007331	IH10	7/19/2009	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: PSG0771-20 (S070909-01A) - cont.	**Tube**		**Sample Air Volume:116.16L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
m-Tolualdehyde	0.0442	0.0003805	0.00007743	IH10	7/19/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.246	0.002118	0.000431	IH10, IH11	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.999	0.0086	0.00362	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0334	0.0002875	0.000121	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.966	0.008316	0.003501	IH10	7/19/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.127	0.001093	0.0002225	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.622	0.005355	0.00152	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0771-21 (S070909-02A)	**Tube**		**Sample Air Volume:219.36L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0525	0.0002393	0.00004361	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.32	0.006018	0.00334	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0909	0.0004144	0.00023	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.23	0.005607	0.003112	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetone	0.573	0.002612	0.0011	IH10, IH11	7/19/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001368	<0.00005964	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.170	0.000775	0.0001786	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.437	0.001992	0.0006755	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0648	0.0002954	0.0001002	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.372	0.001696	0.000575	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.118	0.0005379	0.0001876	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.779	0.003551	0.002891	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0753	0.0003433	0.0002795	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.704	0.003209	0.002613	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.660	0.003009	0.0007345	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0780	0.0003556	0.0001009	IH10	7/19/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0603	0.0002749	0.00005594	IH10	7/19/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.126	0.0005744	0.0001169	IH10, IH11	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.317	0.001445	0.0006084	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back (e)	0.0313	0.0001427	0.00006007	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.286	0.001304	0.0005489	IH10	7/19/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0630	0.0002872	0.00005844	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.277	0.001263	0.0003585	IH10	7/19/2009	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: PSG0771-22 (S070909-03A)	**Tube**		**Sample Air Volume:226.08L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0862	0.0003813	0.00006948	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.46	0.02415	0.0134	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.147	0.0006502	0.0003609	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.31	0.02349	0.01304	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetone	2.65	0.01172	0.004934	IH10, IH11	7/19/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.618	0.002734	0.001151	IH10	7/18/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.03	0.008979	0.00378	IH11	7/19/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001327	<0.00005787	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.382	0.00169	0.0003893	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.63	0.00721	0.002445	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.102	0.0004512	0.000153	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.53	0.006768	0.002295	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.265	0.001172	0.0004089	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.72	0.01203	0.009796	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0918	0.0004061	0.0003306	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.63	0.01163	0.009471	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.90	0.008404	0.002052	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0769	0.0003401	0.00009656	IH10	7/19/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.148	0.0006546	0.0001332	IH10	7/19/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.484	0.002141	0.0004357	IH10, IH11	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.950	0.004202	0.001769	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0335	0.0001482	0.00006238	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.916	0.004052	0.001706	IH10	7/19/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001327	<0.000027	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.565	0.002499	0.0007094	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG0771-23 (W070909-01A)	**Tube**		**Sample Air Volume:207.36L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0945	0.0004557	0.00008304	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.13	0.02474	0.01373	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.131	0.0006318	0.0003507	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.00	0.02411	0.01338	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetone	3.12	0.01505	0.006334	IH10, IH11	7/19/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	1.01	0.004871	0.00205	IH10	7/18/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.11	0.01018	0.004284	IH11	7/19/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001447	<0.00006309	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.430	0.002074	0.0004778	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	2.20	0.01061	0.003597	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.226	0.00109	0.0003695	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.97	0.0095	0.003221	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.218	0.001051	0.0003667	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.74	0.01321	0.01076	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0774	0.0003733	0.0003039	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.66	0.01283	0.01044	IH11	7/19/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG0771-23 (W070909-01A) - cont. **Tube** **Sample Air Volume:207.36L** **Sampled: 07/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hexaldehyde	2.61	0.01259	0.003073	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001447	<0.00004107	IH10	7/19/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0498	0.0002402	0.00004887	IH10	7/19/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.412	0.001987	0.0004043	IH10, IH11	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.01	0.004871	0.00205	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0323	0.0001558	0.00006557	IH10	7/18/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.975	0.004702	0.001979	IH10	7/19/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.140	0.0006752	0.0001374	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.715	0.003448	0.0009788	IH10	7/19/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG0771-24 (W070909-02A) **Tube** **Sample Air Volume:212.16L** **Sampled: 07/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0370	0.0001744	0.00003178	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.11	0.005232	0.002904	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0619	0.0002918	0.0001619	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.05	0.004949	0.002747	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetone	0.617	0.002908	0.001224	IH10, IH11	7/19/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001414	<0.00006167	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.154	0.0007259	0.0001672	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.416	0.001961	0.0006648	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0597	0.0002814	0.00009541	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.356	0.001678	0.0005689	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0824	0.0003884	0.0001355	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.653	0.003078	0.002506	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0743	0.0003502	0.0002851	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.579	0.002729	0.002222	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.591	0.002786	0.00068	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001414	<0.00004014	IH10	7/19/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0440	0.0002074	0.0000422	IH10	7/19/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0967	0.0004558	0.00009275	IH10, IH11	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.227	0.00107	0.0004504	IH10	7/19/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0658	0.0003101	0.00006311	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.234	0.001103	0.0003131	IH10	7/19/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG0771-25 (W070909-03A) **Tube** **Sample Air Volume:195.36L** **Sampled: 07/09/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0703	0.0003598	0.00006557	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.03	0.02575	0.01429	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0936	0.0004791	0.0002659	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.94	0.02529	0.01404	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetone	2.57	0.01316	0.005538	IH10, IH11	7/19/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.494	0.002529	0.001064	IH10	7/18/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.08	0.01065	0.004482	IH11	7/19/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001536	<0.00006697	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.329	0.001684	0.000388	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.53	0.007832	0.002655	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0809	0.0004141	0.0001404	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.45	0.007422	0.002517	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.220	0.001126	0.0003928	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.28	0.01167	0.009502	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0859	0.0004397	0.000358	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.19	0.01121	0.009127	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.59	0.008139	0.001987	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.0001536	<0.00004359	IH10	7/19/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.137	0.0007013	0.0001427	IH10	7/19/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.377	0.00193	0.0003927	IH10, IH11	7/19/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.789	0.004039	0.0017	IH10	7/19/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001536	<0.00003125	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.516	0.002641	0.0007498	IH10	7/19/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG0771-26 (070909A-A) **Tube** **Sample Air Volume:L** **Sampled: 07/09/09**

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	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0877	--	--	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0330	--	--	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0547	--	--	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Acetone	0.364	--	--	IH10, IH11	7/19/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.0936	--	--	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0366	--	--	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.0570	--	--	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.189	--	--	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0650	--	--	IH11	7/18/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.124	--	--	IH11	7/19/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	7/19/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	7/19/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.0325	--	--	IH10, IH11	7/19/2009	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	Method
Sample ID: PSG0771-26 (070909A-A) - cont.		**Tube**		**Sample Air Volume:L**			**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Propionaldehyde	<0.0300	--	--	IH10	7/19/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	7/19/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	7/19/2009	zn	0.0300	EPA TO-11A

(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: PSG0771-01 (C070909-01H)		**Tube**		**Sample Air Volume:86.88L**			**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.0244	<0.01636	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02509	<0.03066	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-02 (C070909-02H)		**Tube**		**Sample Air Volume:95.52L**			**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.02219	<0.01488	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02282	<0.02789	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-03 (C070909-03H)		**Tube**		**Sample Air Volume:95.04L**			**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.02231	<0.01496	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02294	<0.02803	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-04 (G070909-01H)		**Tube**		**Sample Air Volume:107.04L**			**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.01981	<0.01328	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02037	<0.02489	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-05 (G070909-02H)		**Tube**		**Sample Air Volume:103.2L**			**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.02054	<0.01378	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02112	<0.02581	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-06 (G070909-03H)		**Tube**		**Sample Air Volume:103.68L**			**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.02045	<0.01371	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02103	<0.02569	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-07 (S070909-01H)		**Tube**		**Sample Air Volume:107.52L**			**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.01972	<0.01322	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02028	<0.02477	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-08 (S070909-02H)		**Tube**		**Sample Air Volume:177.6L**			**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.01194	<0.008005	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01227	<0.015	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-09 (S070909-03H)		**Tube**		**Sample Air Volume:154.56L**			**Sampled: 07/09/09**	
	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: PSG0771-09 (S070909-03H) - cont.	**Tube**		**Sample Air Volume:154.56L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.01372	<0.009198	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.0141	<0.01723	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-10 (W070909-01H)	**Tube**		**Sample Air Volume:125.76L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.01686	<0.0113	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01733	<0.02118	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-11 (W070909-02H)	**Tube**		**Sample Air Volume:148.32L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.01429	<0.009585	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.0147	<0.01796	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-12 (W070909-03H)	**Tube**		**Sample Air Volume:125.28L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	<0.01692	<0.01135	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.0174	<0.02126	IH10	7/16/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG0771-13 (070909A-H)	**Tube**		**Sample Air Volume:L**				**Sampled: 07/09/09**	
	ug, Total	mg/m3	ppm				ug, Total	
Hydrochloric Acid	<2.12	--	--	IH10	7/16/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	--	--	IH10	7/16/2009	ZN	2.18	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)						
P9G1717-BLK1						
Formaldehyde	0.1131		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Formaldehyde - Back	0.06433		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Acetaldehyde	0.05107		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Acetaldehyde - Back	0.03292		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Acrolein	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Acrolein - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Acetone	0.5725		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Acetone - Back	<0.300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Propionaldehyde	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Crotonaldehyde	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Butyraldehyde	0.1345		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Butyraldehyde - Back	0.05265		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Benzaldehyde	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Benzaldehyde - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Isovaleraldehyde	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Valeraldehyde	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
o-Tolualdehyde	0.03136		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
m-Tolualdehyde	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
p-Tolualdehyde	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Hexaldehyde	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9G1717	P9G1717-BLK1	07-18-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9G1604-BLK1						
Hydrochloric Acid	<2.12		ug, Total	P9G1604	P9G1604-BLK1	07-16-2009
Hydrochloric Acid - Back	<2.12		ug, Total	P9G1604	P9G1604-BLK1	07-16-2009
Hydrofluoric Acid	<2.18		ug, Total	P9G1604	P9G1604-BLK1	07-16-2009
Hydrofluoric Acid - Back	<2.18		ug, Total	P9G1604	P9G1604-BLK1	07-16-2009

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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)									
P9G1717-DUP1									
Formaldehyde	1.830	1.816	IH11	ug, Total	0.768	10	P9G1717	PSG0771-14	07-18-2009
Acetaldehyde	0.4650	0.4625	IH11	ug, Total	0.539	10	P9G1717	PSG0771-14	07-18-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9G1717	PSG0771-14	07-18-2009
Acetone	1.240	1.234	IH11	ug, Total	0.485	10	P9G1717	PSG0771-14	07-18-2009
Propionaldehyde	0.1960	0.1932	IH10	ug, Total	1.44	10	P9G1717	PSG0771-14	07-18-2009
Crotonaldehyde	0.09190	0.09046	IH10	ug, Total	1.58	10	P9G1717	PSG0771-14	07-18-2009
Butyraldehyde	0.3180	0.3120	IH11	ug, Total	1.9	10	P9G1717	PSG0771-14	07-18-2009
Benzaldehyde	0.3580	0.3543	IH10	ug, Total	1.04	10	P9G1717	PSG0771-14	07-18-2009
Isovaleraldehyde	0.2260	0.2256	IH10	ug, Total	0.177	10	P9G1717	PSG0771-14	07-18-2009
Valeraldehyde	0.3140	0.3088	IH10	ug, Total	1.67	10	P9G1717	PSG0771-14	07-18-2009
o-Tolualdehyde	0.2750	0.2734	IH11	ug, Total	0.584	10	P9G1717	PSG0771-14	07-18-2009
m-Tolualdehyde	0.07620	0.07298	IH10	ug, Total	4.32	10	P9G1717	PSG0771-14	07-18-2009
p-Tolualdehyde	ND	<0.0300	IH10	ug, Total		10	P9G1717	PSG0771-14	07-18-2009
Hexaldehyde	0.6130	0.6110	IH10	ug, Total	0.327	10	P9G1717	PSG0771-14	07-18-2009
2,5-Dimethyl Benzaldehyde	0.04450	0.04593	IH10	ug, Total	3.16	10	P9G1717	PSG0771-14	07-18-2009
P9G1717-DUP2									
Formaldehyde	0.5790	0.5722	IH11	ug, Total	1.18	10	P9G1717	PSG0771-24	07-19-2009
Acetaldehyde	1.050	1.039	IH11	ug, Total	1.05	10	P9G1717	PSG0771-24	07-19-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9G1717	PSG0771-24	07-19-2009
Acetone	0.6170	0.6057	IH11	ug, Total	1.85	10	P9G1717	PSG0771-24	07-19-2009
Propionaldehyde	0.2270	0.2192	IH10	ug, Total	3.5	10	P9G1717	PSG0771-24	07-19-2009
Crotonaldehyde	0.08240	0.08218	IH10	ug, Total	0.267	10	P9G1717	PSG0771-24	07-19-2009
Butyraldehyde	0.3560	0.3615	IH11	ug, Total	1.53	10	P9G1717	PSG0771-24	07-19-2009
Benzaldehyde	0.1540	0.1615	IH10	ug, Total	4.75	10	P9G1717	PSG0771-24	07-19-2009
Isovaleraldehyde	ND	<0.0300	IH10	ug, Total		10	P9G1717	PSG0771-24	07-19-2009
Valeraldehyde	0.2340	0.2414	IH10	ug, Total	3.11	10	P9G1717	PSG0771-24	07-19-2009
o-Tolualdehyde	0.09670	0.09840	IH11	ug, Total	1.74	10	P9G1717	PSG0771-24	07-19-2009
m-Tolualdehyde	0.04400	0.04419	IH10	ug, Total	0.431	10	P9G1717	PSG0771-24	07-19-2009
p-Tolualdehyde	0.06580	0.06650	IH10	ug, Total	1.06	10	P9G1717	PSG0771-24	07-19-2009
Hexaldehyde	0.5910	0.5834	IH10	ug, Total	1.29	10	P9G1717	PSG0771-24	07-19-2009
2,5-Dimethyl Benzaldehyde	0.03700	0.03709	IH10	ug, Total	0.243	10	P9G1717	PSG0771-24	07-19-2009

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)								
P9G1717-BS1								
Formaldehyde	0.45	0.5318	IH11	ug, Total	118%	22-134	P9G1717	07-18-2009
Acetaldehyde	0.45	0.4782	IH11	ug, Total	106%	51-142	P9G1717	07-18-2009
Acrolein	0.45	0.1156	IH10, L2	ug, Total	26%	75-125	P9G1717	07-18-2009
Acetone	0.45	0.9935	IH11, L1	ug, Total	221%	75-125	P9G1717	07-18-2009
Propionaldehyde	0.45	0.8181	IH10, IH5	ug, Total	182%	67-145	P9G1717	07-18-2009
Crotonaldehyde	0.45	0.3370	IH10	ug, Total	75%	66-146	P9G1717	07-18-2009
Butyraldehyde	0.45	0.5057	IH11	ug, Total	112%	56-141	P9G1717	07-18-2009
Benzaldehyde	0.45	0.4579	IH10	ug, Total	102%	57-142	P9G1717	07-18-2009
Isovaleraldehyde	0.45	0.4367	IH10	ug, Total	97%	66-144	P9G1717	07-18-2009
Valeraldehyde	0.45	0.4593	IH10	ug, Total	102%	66-144	P9G1717	07-18-2009
o-Tolualdehyde	0.45	0.4733	IH11	ug, Total	105%	39-130	P9G1717	07-18-2009
m-Tolualdehyde	0.45	0.4425	IH10	ug, Total	98%	73-143	P9G1717	07-18-2009
p-Tolualdehyde	0.45	0.4197	IH10	ug, Total	93%	66-147	P9G1717	07-18-2009
Hexaldehyde	0.45	0.4576	IH10	ug, Total	102%	65-145	P9G1717	07-18-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4290	IH10	ug, Total	95%	75-144	P9G1717	07-18-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9G1604-BS1								
Hydrochloric Acid	10.3	12.74	IH10	ug, Total	124%	70-130	P9G1604	07-16-2009
Hydrofluoric Acid	10.5	9.396	IH10	ug, Total	90%	70-130	P9G1604	07-16-2009

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)												
P9G1717-BSD1												
Formaldehyde		0.5388	IH11	ug, Total	0.45	120%	22-134	1.31	20	P9G1717		07-18-2009
Acetaldehyde		0.4829	IH11	ug, Total	0.45	107%	51-142	0.978	20	P9G1717		07-18-2009
Acrolein		0.1033	IH10, L2	ug, Total	0.45	23%	75-125	11.2	20	P9G1717		07-18-2009
Acetone		0.9514	IH11, L1	ug, Total	0.45	211%	75-125	4.33	20	P9G1717		07-18-2009
Propionaldehyde		0.8425	IH10,	ug, Total	0.45	187%	67-145	2.94	20	P9G1717		07-18-2009
Crotonaldehyde		0.3236	IH10	ug, Total	0.45	72%	66-146	4.06	20	P9G1717		07-18-2009
Butyraldehyde		0.5090	IH11	ug, Total	0.45	113%	56-141	0.65	20	P9G1717		07-18-2009
Benzaldehyde		0.4661	IH10	ug, Total	0.45	104%	57-142	1.77	20	P9G1717		07-18-2009
Isovaleraldehyde		0.4400	IH10	ug, Total	0.45	98%	66-144	0.753	20	P9G1717		07-18-2009
Valeraldehyde		0.4625	IH10	ug, Total	0.45	103%	66-144	0.694	20	P9G1717		07-18-2009
o-Tolualdehyde		0.4826	IH11	ug, Total	0.45	107%	39-130	1.95	20	P9G1717		07-18-2009
m-Tolualdehyde		0.4454	IH10	ug, Total	0.45	99%	73-143	0.653	20	P9G1717		07-18-2009
p-Tolualdehyde		0.4217	IH10	ug, Total	0.45	94%	66-147	0.475	20	P9G1717		07-18-2009
Hexaldehyde		0.4567	IH10	ug, Total	0.45	101%	65-145	0.197	20	P9G1717		07-18-2009
2,5-Dimethyl Benzaldehyde		0.4319	IH10	ug, Total	0.45	96%	75-144	0.674	20	P9G1717		07-18-2009
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)												
P9G1604-BSD1												
Hydrochloric Acid		11.62	IH10	ug, Total	10.3	113%	70-130	9.2	30	P9G1604		07-16-2009
Hydrofluoric Acid		9.383	IH10	ug, Total	10.5	89%	70-130	0.138	30	P9G1604		07-16-2009

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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.

ADDITIONAL COMMENTS

Countywide Recycling & Disposal Facility
Ambient Air Monitoring
Monthly Report #27

August 12, 2009

APPENDIX E. Laboratory Analytical Results from Event #131:
Sampling conducted Wednesday, July 15 to Thursday, July 16

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

Lawhon & Associates, Inc.

Client Sample ID: SU-C071509

GC/MS Volatiles

Lot-Sample #	H9G210232 - 001	**Work Order #**	LGR5T1AA	**Matrix.....:**	AIR

Date Sampled...:	07/15/2009	**Date Received..:**	07/21/2009
Prep Date.....:	07/24/2009	**Analysis Date...**	07/24/2009
Prep Batch #.....:	9208064		
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	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.28**	**0.20**	**1.6**		**1.1**
n-Heptane	**0.083**	**0.50**	**0.34**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.20**	**0.50**	**0.72**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.30**	**2.0**	**0.89**	**J**	**6.1**
Methylene chloride	**0.67**	**0.50**	**2.3**		**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	**0.34**	**0.20**	**1.3**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.077**	**0.20**	**0.59**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	ND	0.20	ND		0.87
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.7**	**1.0**	**5.1**		**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	**0.10**	**0.20**	**0.64**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-C071509

GC/MS Volatiles

Lot-Sample # H9G210232 - 001 Work Order # LGR5T1AA 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	**0.71**	**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	**0.51**	**0.20**	**2.5**	**0.99**
1,1-Dichloroethane	ND	0.20	ND	0.81
1,2-Dichloroethane	ND	0.20	ND	0.81
1,1-Dichloroethene	ND	0.20	ND	0.79
cis-1,2-Dichloroethene	ND	0.20	ND	0.79
trans-1,2-Dichloroethene	ND	0.20	ND	0.79
1,2-Dichloropropane	ND	0.20	ND	0.92
cis-1,3-Dichloropropene	ND	0.20	ND	0.91

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-G071509

GC/MS Volatiles

Lot-Sample #	H9G210232 - 002	**Work Order #**	LGR501AA	**Matrix.....:**	AIR

Date Sampled...:	07/15/2009	**Date Received..:**	07/21/2009
Prep Date.....:	07/24/2009	**Analysis Date...**	07/24/2009
Prep Batch #.....:	9208064		
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	**0.27**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.12**	**0.50**	**0.51**	**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	**0.12**	**2.0**	**0.36**	**J**	**6.1**
Methylene chloride	**0.42**	**0.50**	**1.5**	**J**	**1.7**
Benzene	**0.13**	**0.20**	**0.42**	**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	**0.068**	**1.0**	**0.20**	**J**	**2.9**
Toluene	**0.36**	**0.20**	**1.4**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.084**	**0.20**	**0.65**	**J**	**1.5**
1,2,4-Trimethylbenzene	ND	0.20	ND		0.98
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.14**	**0.20**	**0.62**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**1.6**	**1.0**	**4.6**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.097**	**0.50**	**0.40**	**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	**0.035**	**0.50**	**0.11**	**J**	**1.6**
Carbon tetrachloride	**0.10**	**0.20**	**0.63**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-G071509

GC/MS Volatiles

Lot-Sample # H9G210232 - 002 Work Order # LGR501AA 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	**0.83**	**0.50**	**1.7**	**1.0**
3-Chloropropene	ND	0.20	ND	0.63
2-Chlorotoluene	ND	0.40	ND	2.1
Cyclohexane	ND	0.50	ND	1.7
1,2-Dichlorobenzene	ND	0.20	ND	1.2
1,3-Dichlorobenzene	ND	0.20	ND	1.2
1,4-Dichlorobenzene	ND	0.20	ND	1.2
Dichlorodifluoromethane	**0.53**	**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	106	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)*(Moleculur 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-S071509

GC/MS Volatiles

Lot-Sample #	H9G210232 - 003	Work Order #	LGR511AA	Matrix.....:	AIR

Date Sampled...:	07/15/2009	Date Received..:	07/21/2009
Prep Date.....:	07/24/2009	Analysis Date...	07/24/2009
Prep Batch #.....:	9208064		
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**	**47**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.25**	**0.20**	**1.4**		**1.1**
n-Heptane	**0.061**	**0.50**	**0.25**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.18**	**0.50**	**0.64**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.19**	**2.0**	**0.59**	**J**	**6.1**
Methylene chloride	**0.45**	**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	**0.37**	**0.20**	**1.4**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.078**	**0.20**	**0.59**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.089**	**0.20**	**0.44**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.17**	**0.20**	**0.73**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**2.7**	**1.0**	**7.9**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.19**	**0.50**	**0.76**	**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	**0.050**	**0.50**	**0.16**	**J**	**1.6**
Carbon tetrachloride	**0.12**	**0.20**	**0.75**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-S071509

GC/MS Volatiles

Lot-Sample # H9G210232 - 003 Work Order # LGR511AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
Chlorobenzene	ND	0.20	ND		0.92
Dibromochloromethane	ND	0.20	ND		1.7
Chloroethane	ND	0.20	ND		0.53
Chloroform	**0.050**	**0.20**	**0.25**	**J**	**0.98**
Chloromethane	**0.82**	**0.50**	**1.7**		**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	**0.51**	**0.20**	**2.5**		**0.99**
1,1-Dichloroethane	ND	0.20	ND		0.81
1,2-Dichloroethane	ND	0.20	ND		0.81
1,1-Dichloroethene	ND	0.20	ND		0.79
cis-1,2-Dichloroethene	ND	0.20	ND		0.79
trans-1,2-Dichloroethene	ND	0.20	ND		0.79
1,2-Dichloropropane	ND	0.20	ND		0.92
cis-1,3-Dichloropropene	ND	0.20	ND		0.91

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-W071509

GC/MS Volatiles

Lot-Sample #	H9G210232 - 004	**Work Order #**	LGR521AA	**Matrix.....:**	AIR

Date Sampled...:	07/15/2009	**Date Received..:**	07/21/2009
Prep Date.....:	07/24/2009	**Analysis Date...**	07/24/2009
Prep Batch #.....:	9208064		
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	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.26**	**0.20**	**1.5**		**1.1**
n-Heptane	**0.12**	**0.50**	**0.48**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.19**	**0.50**	**0.67**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.21**	**2.0**	**0.63**	**J**	**6.1**
Methylene chloride	**0.39**	**0.50**	**1.3**	**J**	**1.7**
Benzene	**0.13**	**0.20**	**0.40**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	**0.070**	**1.0**	**0.21**	**J**	**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	**0.077**	**0.20**	**0.59**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.064**	**0.20**	**0.32**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.15**	**0.20**	**0.63**	**J**	**0.87**
Bromodichloromethane	ND	0.20	ND		1.3
1,2-Dibromoethane (EDB)	ND	0.20	ND		1.5
2-Butanone (MEK)	**5.2**	**1.0**	**15**		**2.9**
4-Methyl-2-pentanone (MIBK)	**0.24**	**0.50**	**0.99**	**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	**0.21**	**0.50**	**0.67**	**J**	**1.6**
Carbon tetrachloride	**0.10**	**0.20**	**0.65**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-W071509

GC/MS Volatiles

Lot-Sample # H9G210232 - 004 Work Order # LGR521AA 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	**0.079**	**0.20**	**0.21**	**J**	**0.53**
Chloroform	**0.078**	**0.20**	**0.38**	**J**	**0.98**
Chloromethane	**1.1**	**0.50**	**2.3**		**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	**0.50**	**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	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-COC071509

GC/MS Volatiles

Lot-Sample #	H9G210232 - 005	**Work Order #**	LGR541AA	**Matrix.....:**	AIR

Date Sampled...:	07/15/2009	**Date Received..:**	07/21/2009
Prep Date.....:	07/24/2009	**Analysis Date...**	07/24/2009
Prep Batch #.....:	9208064		
Dilution Factor.:	1	**Method.....:**	TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)		REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.20	ND		0.91
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ND		1.4
Acetone	**8.0**	**5.0**	**19**		**12**
Ethylbenzene	ND	0.20	ND		0.87
Trichlorofluoromethane	**0.38**	**0.20**	**2.2**		**1.1**
n-Heptane	**0.11**	**0.50**	**0.44**	**J**	**2.0**
Hexachlorobutadiene	ND	1.0	ND		11
n-Hexane	**0.33**	**0.50**	**1.2**	**J**	**1.8**
2,2,4-Trimethylpentane	ND	0.50	ND		2.3
tert-Butyl alcohol	**0.073**	**2.0**	**0.22**	**J**	**6.1**
Methylene chloride	**1.1**	**0.50**	**3.9**		**1.7**
Benzene	**0.14**	**0.20**	**0.44**	**J**	**0.64**
Styrene	ND	0.20	ND		0.85
1,1,2,2-Tetrachloroethane	ND	0.20	ND		1.4
Tetrachloroethene	ND	0.20	ND		1.4
Tetrahydrofuran	ND	1.0	ND		2.9
Toluene	**0.62**	**0.20**	**2.4**		**0.75**
1,2,4-Trichlorobenzene	ND	1.0	ND		7.4
1,1,1-Trichloroethane	ND	0.20	ND		1.1
1,1,2-Trichloroethane	ND	0.20	ND		1.1
Trichloroethene	ND	0.20	ND		1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.073**	**0.20**	**0.56**	**J**	**1.5**
1,2,4-Trimethylbenzene	**0.071**	**0.20**	**0.35**	**J**	**0.98**
1,3,5-Trimethylbenzene	ND	0.20	ND		0.98
Vinyl chloride	ND	0.20	ND		0.51
o-Xylene	ND	0.20	ND		0.87
Methyl tert-butyl ether	ND	1.0	ND		3.6
m-Xylene & p-Xylene	**0.13**	**0.20**	**0.58**	**J**	**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	**0.076**	**0.50**	**0.24**	**J**	**1.6**
Carbon tetrachloride	**0.098**	**0.20**	**0.62**	**J**	**1.3**

Lawhon & Associates, Inc.

Client Sample ID: SU-COC071509

GC/MS Volatiles

Lot-Sample # H9G210232 - 005 **Work Order #** LGR541AA **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	**0.69**	**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	**0.49**	**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	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: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample #	H9G270000 - 064B	**Work Order #**	LG4EE1AA	**Matrix.....:**	AIR
	07/16/2009	**Date Received..:**	07/23/2009		
Prep Date.....:	07/24/2009	**Analysis Date...**	07/24/2009		
Prep Batch #.....:	9208064				
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 # H9G270000 - 064B Work Order # LG4EE1AA 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	104	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 # H9G270000 - 064C **Work Order #** LG4EE1AC **Matrix.....:** AIR

	07/16/2009	**Date Received..:**	07/23/2009
Prep Date.....:	07/24/2009	**Analysis Date...**	07/24/2009
Prep Batch #.....:	9208064		
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	10.0	57	45	80	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	12.5	12.3	87	86	98	60 - 140
Acetone	12.5	9.21	30	22	74	60 - 140
Ethylbenzene	12.5	9.58	54	42	77	70 - 130
Trichlorofluoromethane	12.5	11.8	70	66	94	60 - 140
n-Heptane	12.5	13.1	51	54	105	70 - 130
Hexachlorobutadiene	12.5	10.5	130	110	84	60 - 140
n-Hexane	12.5	12.9	44	46	104	70 - 130
2,2,4-Trimethylpentane	12.5	12.0	58	56	96	70 - 130
tert-Butyl alcohol	12.5	11.0	38	33	88	60 - 140
Methylene chloride	12.5	11.4	43	39	91	70 - 130
Benzene	12.5	11.8	40	38	95	70 - 130
Styrene	12.5	10.7	53	46	86	70 - 130
1,1,2,2-Tetrachloroethane	12.5	9.64	86	66	77	70 - 130
Tetrachloroethene	12.5	10.4	85	70	83	70 - 130
Tetrahydrofuran	12.5	11.3	37	33	90	70 - 130
Toluene	12.5	9.70	47	37	78	70 - 130
1,2,4-Trichlorobenzene	12.5	11.0	93	82	88	60 - 140
1,1,1-Trichloroethane	12.5	12.4	68	67	99	70 - 130
1,1,2-Trichloroethane	12.5	9.39	68	51	75	70 - 130
Trichloroethene	12.5	11.6	67	62	93	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	12.5	13.4	96	100	107	70 - 130
1,2,4-Trimethylbenzene	12.5	9.92	61	49	79	70 - 130
1,3,5-Trimethylbenzene	12.5	9.98	61	49	80	70 - 130
Vinyl chloride	12.5	12.4	32	32	99	70 - 130
o-Xylene	12.5	9.44	54	41	75	70 - 130
Methyl tert-butyl ether	12.5	9.84	45	35	79	60 - 140
m-Xylene & p-Xylene	25.0	19.4	110	84	78	70 - 130
Bromodichloromethane	12.5	12.1	84	81	97	70 - 130
1,2-Dibromoethane (EDB)	12.5	9.78	96	75	78	70 - 130
2-Butanone (MEK)	12.5	9.35	37	28	75	60 - 140
4-Methyl-2-pentanone (MIBK)	12.5	13.4	51	55	107	60 - 140
Vinyl bromide	12.5	12.1	55	53	96	60 - 140
Bromoform	12.5	10.7	130	110	86	70 - 130
Bromomethane	12.5	10.9	49	42	87	70 - 130
1,3-Butadiene	12.5	14.1	28	31	113	60 - 140
4-Ethyltoluene	12.5	9.77	61	48	78	70 - 130

Lawhon & Associates, Inc.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H9G270000 - 064C Work Order # LG4EE1AC 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	11.8	39	37	95	70 - 130
Carbon tetrachloride	12.5	15.3	79	96	123	70 - 130
Chlorobenzene	12.5	9.33	58	43	75	70 - 130
Dibromochloromethane	12.5	12.2	110	100	98	70 - 130
Chloroethane	12.5	11.5	33	30	92	70 - 130
Chloroform	12.5	11.7	61	57	93	70 - 130
Chloromethane	12.5	14.2	26	29	114	60 - 140
3-Chloropropene	12.5	14.6	39	46	117	70 - 130
2-Chlorotoluene	12.5	9.36	65	48	75	70 - 130
Cyclohexane	12.5	12.3	43	42	99	70 - 130
1,2-Dichlorobenzene	12.5	9.08	75	55	73	70 - 130
1,3-Dichlorobenzene	12.5	9.33	75	56	75	70 - 130
1,4-Dichlorobenzene	12.5	9.44	75	57	76	70 - 130
Dichlorodifluoromethane	12.5	12.1	62	60	97	60 - 140
1,1-Dichloroethane	12.5	12.8	51	52	102	70 - 130
1,2-Dichloroethane	12.5	13.6	51	55	108	70 - 130
1,1-Dichloroethene	12.5	13.5	50	53	108	70 - 130
cis-1,2-Dichloroethene	12.5	12.3	50	49	98	70 - 130
trans-1,2-Dichloroethene	12.5	11.7	50	46	94	70 - 130
1,2-Dichloropropane	12.5	11.3	58	52	90	70 - 130
cis-1,3-Dichloropropene	12.5	11.2	57	51	89	70 - 130

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

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

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

~~2118 Freeman Avenue~~
~~Cleveland, OH 44113~~
~~Phone: (216) 737-0100~~
~~Fax: (216) 737-0109~~

H9621023 2

№ 8375

Sent To: Test America (Lab Name)
VIA: Fed Ex
Air Bill No.: 8694 2482 7284

Page 1 of 2

CHAIN-OF-CUSTODY RECORD

Project Contact: Shawn Ansbro

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

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

As Received by Lab:

Project No: 07-0082

Project Name: Countywide

Sampler (print): Rick Jones

Signature:

Sample I.D. No.	Type	Type	Type	Date	~~Time~~ min	Sample Location	Number of Containers	Turn Around/Requirements	Method	Analysis VOC TO-15	Expected Conc. (H,M,L)	Hold	Remarks: Summa Can #
SU-C071509				7/15/09	1440	Cell Tower	1			X			6529
SU-G071509				7/15/09	1440	Campground	1			X			93182
SU-S071509				7/15/09	1440	School	1			X			7501
SU-W071509				7/15/09	1440	Wetland	1			X			6126
SU-CC071509				7/15/09	1440	Co-Located Cell Tower	1			X			92042

custody seal intact
rec. at ambient temp.
1 box
Fed ex # 8694 2482 7284
6 cans / 6 flows
DGY 7/21/09

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	7/20/09 1500						
	7-20-09 800	Daniel Yorlin	7/21/09 10:00				

Comments:

Distributor: White - File; Yellow - Lab

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

1496210232

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

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

Sampled By: Rick Jones

2 of 2 COCs

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-C071509	7/15/09	15:00	15:00	-29.0	-5.0	K161	6529	X											
SU-G071509	↓	↓	↓	-29.0	-5.5	K444	93182	X											
SU-S071509				-29.0	-5.0	K168	7501	X											
SU-W071509				-29.0	-4.5	K287	6126	X											
SU-COC071509				-29.0	-6.0	K118	92042	X											

Sampled by :

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Return Can # 93005, did not use.

Canisters Shipped by:	Date/Time: 7/20/09 1500	Canisters Received by:
Samples Relinquished by:	Date/Time: 7-20-09 / 0800	Received by: David Yarlen DY 7/21/09 7/21 7/21/09 10:00
Relinquished by:	Date/Time:	Received by:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H9621b232

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

Quote #: 82675 PM Instructions: _____

Sample Receiving Associate: Daniel Nguyen Date: 7/21/09

QA026R20.doc, 060409

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

July 31, 2009

LABORATORY REPORT

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

Work Order: PSG1171
Project Name: Countywide - Ambient Air
Project Number: Countywide / 07-0082
Date Received: 07/21/09

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 16.8°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
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: PSG1171
Project: Countywide - Ambient Air
Project Number: Countywide / 07-0082

Received: 07/21/09
Reported: 07/31/09 10:09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE	CONTAINER TYPE
C071509-01H	PSG1171-01	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
C071509-02H	PSG1171-02	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
C071509-03H	PSG1171-03	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
G071509-01H	PSG1171-04	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
G071509-02H	PSG1171-05	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
G071509-03H	PSG1171-06	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
S071509-01H	PSG1171-07	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
S071509-02H	PSG1171-08	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
S071509-03H	PSG1171-09	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
W071509-01H	PSG1171-10	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
W071509-02H	PSG1171-11	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
W071509-03H	PSG1171-12	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
071509A-H	PSG1171-13	07/15/09	Silica Gel tube, 200/400 mg Specially cleaned
C071509-01A	PSG1171-14	07/15/09	DNPH Silica Gel Tube, 450 mg
C071509-02A	PSG1171-15	07/15/09	DNPH Silica Gel Tube, 450 mg
C071509-03A	PSG1171-16	07/15/09	DNPH Silica Gel Tube, 450 mg
G071509-01A	PSG1171-17	07/15/09	DNPH Silica Gel Tube, 450 mg
G071509-02A	PSG1171-18	07/15/09	DNPH Silica Gel Tube, 450 mg
G071509-03A	PSG1171-19	07/15/09	DNPH Silica Gel Tube, 450 mg
S071509-01A	PSG1171-20	07/15/09	DNPH Silica Gel Tube, 450 mg
S071509-02A	PSG1171-21	07/15/09	DNPH Silica Gel Tube, 450 mg
S071509-03A	PSG1171-22	07/15/09	DNPH Silica Gel Tube, 450 mg
W071509-01A	PSG1171-23	07/15/09	DNPH Silica Gel Tube, 450 mg
W071509-02A	PSG1171-24	07/15/09	DNPH Silica Gel Tube, 450 mg
W071509-03A	PSG1171-25	07/15/09	DNPH Silica Gel Tube, 450 mg
071509A-A	PSG1171-26	07/15/09	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: PSG1171 Project: Countywide - Ambient Air Project Number: Countywide / 07-0082	Received: 07/21/09 Reported: 07/31/09 10:09	

ANALYTICAL REPORT

Analyte	Result			Qual	Date Analyzed	Analyst	Rpt Limit	Method
Aldehydes and Ketones by EPA TO-11A (Modified)								
Sample ID: PSG1171-14 (C071509-01A)			**Sample Air Volume:120.96L**				**Sampled: 07/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0664	0.0005489	0.0001	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.96	0.04101	0.02276	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0892	0.0007374	0.0004093	IH11	7/23/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.87	0.04026	0.02235	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	2.33	0.01926	0.008109	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.347	0.002869	0.001208	IH10	7/23/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.98	0.01637	0.006891	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000248	<0.0001082	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.311	0.002571	0.0005924	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.58	0.01306	0.004429	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0843	0.0006969	0.0002363	IH10	7/23/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.50	0.0124	0.004205	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.221	0.001827	0.0006373	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.22	0.01835	0.01494	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0817	0.0006754	0.0005499	IH11	7/23/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.14	0.01769	0.0144	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.83	0.01513	0.003693	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.118	0.0009755	0.0002769	IH10	7/24/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.130	0.001075	0.0002187	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.252	0.002083	0.0004239	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.926	0.007655	0.003223	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0363	0.0003001	0.0001263	IH10	7/23/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.890	0.007358	0.003097	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0433	0.000358	0.00007285	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.679	0.005613	0.001594	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Sample ID: PSG1171-15 (C071509-02A)			**Sample Air Volume:101.76L**				**Sampled: 07/15/09**	
	ug, Total	mg/m3	ppm				ug, Total	
2,5-Dimethyl Benzaldehyde	0.0597	0.0005867	0.0001069	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.63	0.01602	0.008891	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0986	0.0009689	0.0005378	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.53	0.01504	0.008345	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	0.330	0.003243	0.001365	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002948	<0.0001286	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.172	0.00169	0.0003894	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.439	0.004314	0.001463	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0474	0.0004658	0.0001579	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.392	0.003852	0.001306	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0866	0.000851	0.0002969	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.34	0.01317	0.01072	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0775	0.0007616	0.0006201	IH11	7/24/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG1171-15 (C071509-02A) - cont. — **Sample Air Volume:101.76L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Formaldehyde - Front	1.26	0.01238	0.01008	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.951	0.009346	0.002281	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0569	0.0005592	0.0001587	IH10	7/24/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.0794	0.0007803	0.0001588	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.235	0.002309	0.0004699	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.408	0.004009	0.001688	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0348	0.000342	0.000144	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.373	0.003665	0.001543	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0002948	<0.00005999	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.453	0.004452	0.001264	IH10	7/24/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG1171-16 (C071509-03A) — **Sample Air Volume:122.4L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0703	0.0005743	0.0001047	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.23	0.04273	0.02372	IH11	7/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0418	0.0003415	0.0001896	IH11	7/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.19	0.0424	0.02354	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	3.00	0.02451	0.01032	IH11	7/29/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.510	0.004167	0.001754	IH10	7/29/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.49	0.02034	0.008564	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002451	<0.0001069	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.360	0.002941	0.0006776	IH10, IH11	7/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	2.21	0.01806	0.006122	IH10, IH11	7/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0476	0.0003889	0.0001319	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	2.16	0.01765	0.005984	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.207	0.001691	0.0005899	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.94	0.02402	0.01956	IH11	7/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0731	0.0005972	0.0004862	IH11	7/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.87	0.02345	0.01909	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.63	0.02149	0.005245	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.562	0.004592	0.001303	IH10	7/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.123	0.001005	0.0002045	IH10	7/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.383	0.003129	0.0006368	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.06	0.00866	0.003646	IH10	7/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0618	0.0005049	0.0001027	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.833	0.006806	0.001932	IH10	7/29/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG1171-17 (G071509-01A) — **Sample Air Volume:120.96L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0594	0.0004911	0.00008948	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.70	0.03886	0.02157	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.108	0.0008929	0.0004956	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.59	0.03795	0.02106	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	1.76	0.01455	0.006125	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.595	0.004919	0.002071	IH10	7/24/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.17	0.009673	0.004072	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000248	<0.0001082	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.320	0.002646	0.0006095	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.44	0.0119	0.004036	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.206	0.001703	0.0005774	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.23	0.01017	0.003448	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.195	0.001612	0.0005624	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.14	0.01769	0.0144	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0885	0.0007316	0.0005957	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.05	0.01695	0.0138	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.06	0.01703	0.004157	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.332	0.002745	0.0007791	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Back (e)	0.0374	0.0003092	0.00008777	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde - Front	0.295	0.002439	0.0006923	IH10	7/24/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.119	0.0009838	0.0002002	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.314	0.002596	0.0005283	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.807	0.006672	0.002809	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0347	0.0002869	0.0001208	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.772	0.006382	0.002687	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0390	0.0003224	0.00006561	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.679	0.005613	0.001594	IH10	7/24/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG1171-18 (G071509-02A) — **Sample Air Volume:87.36L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0702	0.0008036	0.0001464	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.76	0.02015	0.01118	IH11	7/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0526	0.0006021	0.0003342	IH11	7/29/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.71	0.01957	0.01086	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	1.01	0.01156	0.004867	IH11	7/29/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.680	0.007784	0.003277	IH10	7/29/2009	zn	0.300	EPA TO-11A
Acetone - Front	0.334	0.003823	0.001609	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0003434	<0.0001498	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.360	0.004121	0.0009494	IH10, IH11	7/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.476	0.005449	0.001847	IH10, IH11	7/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0665	0.0007612	0.0002581	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.410	0.004693	0.001591	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.0941	0.001077	0.0003758	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.70	0.01946	0.01584	IH11	7/29/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG1171-18 (G071509-02A) - cont. — **Sample Air Volume:87.36L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Formaldehyde - Back	0.0762	0.0008723	0.0007102	IH11	7/29/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.62	0.01854	0.0151	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.07	0.01225	0.00299	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0643	0.000736	0.0002089	IH10	7/29/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.101	0.001156	0.0002353	IH10	7/29/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.280	0.003205	0.0006522	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.387	0.00443	0.001865	IH10	7/29/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0003434	<0.00006988	IH10	7/29/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.533	0.006101	0.001732	IH10	7/29/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG1171-19 (G071509-03A) — **Sample Air Volume:127.68L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0602	0.0004715	0.00008591	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.25	0.04112	0.02282	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0802	0.0006281	0.0003486	IH11	7/23/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.17	0.04049	0.02248	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	2.22	0.01739	0.00732	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.349	0.002733	0.001151	IH10	7/23/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.87	0.01465	0.006166	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.000235	<0.0001025	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.369	0.00289	0.0006659	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.40	0.01096	0.003718	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0703	0.0005506	0.0001867	IH10	7/23/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.33	0.01042	0.003532	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.255	0.001997	0.0006967	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Back (e)	0.0356	0.0002788	0.00009726	IH10	7/23/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Front	0.219	0.001715	0.0005983	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.01	0.02357	0.01919	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0766	0.0005999	0.0004885	IH11	7/23/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.93	0.02295	0.01868	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.64	0.01284	0.003135	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	<0.000235	<0.0000667	IH10	7/24/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.112	0.0008772	0.0001785	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.250	0.001958	0.0003984	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.847	0.006634	0.002793	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0372	0.0002914	0.00005929	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.914	0.007159	0.002032	IH10	7/24/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG1171-20 (S071509-01A) — **Sample Air Volume:108.48L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0521	0.0004803	0.00008751	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.25	0.0484	0.02686	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0795	0.0007329	0.0004068	IH11	7/23/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.17	0.04766	0.02645	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	2.64	0.02434	0.01024	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.515	0.004747	0.001999	IH10	7/23/2009	zn	0.300	EPA TO-11A
Acetone - Front	2.13	0.01963	0.008266	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0002765	<0.0001206	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.302	0.002784	0.0006414	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.74	0.01604	0.005439	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0967	0.0008914	0.0003022	IH10	7/23/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.64	0.01512	0.005126	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.217	0.002	0.0006978	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Back (e)	0.0531	0.0004895	0.0001708	IH10	7/23/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde - Front	0.164	0.001512	0.0005274	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.60	0.02397	0.01951	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0767	0.000707	0.0005757	IH11	7/23/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.52	0.02323	0.01891	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.95	0.01798	0.004388	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.393	0.003623	0.001028	IH10	7/24/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.107	0.0009864	0.0002007	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.309	0.002848	0.0005796	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.876	0.008075	0.003399	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0445	0.0004102	0.00008348	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.587	0.005411	0.001536	IH10	7/24/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG1171-21 (S071509-02A) — **Sample Air Volume:199.68L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0658	0.0003295	0.00006005	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	2.19	0.01097	0.006088	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.200	0.001002	0.0005559	IH11	7/23/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.99	0.009966	0.005532	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	0.518	0.002594	0.001092	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001502	<0.00006552	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.357	0.001788	0.0004119	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.593	0.00297	0.001007	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0423	0.0002118	0.00007183	IH10	7/23/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.551	0.002759	0.0009356	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.160	0.0008013	0.0002795	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.09	0.01047	0.008522	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0817	0.0004092	0.0003331	IH11	7/23/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.01	0.01007	0.008196	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.27	0.00636	0.001553	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde - Back	0.0315	0.0001578	0.00003851	IH10	7/23/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG1171-21 (S071509-02A) - cont. — **Sample Air Volume:199.68L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hexaldehyde - Front	1.24	0.00621	0.001516	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0979	0.0004903	0.0001392	IH10	7/24/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.145	0.0007262	0.0001478	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.470	0.002354	0.000479	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Back	0.0361	0.0001808	0.00003679	IH10	7/23/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde - Front	0.434	0.002173	0.0004423	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.553	0.002769	0.001166	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0410	0.0002053	0.00008644	IH10	7/23/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.512	0.002564	0.001079	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0332	0.0001663	0.00003383	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.709	0.003551	0.001008	IH10	7/24/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG1171-22 (S071509-03A) — **Sample Air Volume:201.12L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0768	0.0003819	0.00006958	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	5.19	0.02581	0.01432	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.112	0.0005569	0.0003091	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.08	0.02526	0.01402	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	2.28	0.01134	0.004772	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	0.378	0.001879	0.0007912	IH10	7/24/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.90	0.009447	0.003977	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001492	<0.00006505	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.303	0.001507	0.0003471	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.44	0.00716	0.002428	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0785	0.0003903	0.0001323	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.36	0.006762	0.002293	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.188	0.0009348	0.0003261	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.50	0.01243	0.01012	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0847	0.0004211	0.0003429	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.42	0.01203	0.009797	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.81	0.009	0.002197	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.289	0.001437	0.0004079	IH10	7/24/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.119	0.0005917	0.0001204	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.358	0.00178	0.0003622	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.867	0.004311	0.001815	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0419	0.0002083	0.00004239	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.687	0.003416	0.0009697	IH10	7/24/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG1171-23 (W071509-01A) — **Sample Air Volume:185.28L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0887	0.0004787	0.00008723	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	6.11	0.03298	0.0183	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.178	0.0009607	0.0005332	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	5.93	0.03201	0.01776	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	2.77	0.01495	0.006294	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acetone - Back (e)	1.14	0.006153	0.00259	IH10	7/24/2009	zn	0.300	EPA TO-11A
Acetone - Front	1.63	0.008797	0.003704	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001619	<0.00007061	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.428	0.00231	0.0005322	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.99	0.01074	0.003642	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.287	0.001549	0.0005252	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.70	0.009175	0.003111	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.228	0.001231	0.0004293	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	3.26	0.01759	0.01433	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0916	0.0004944	0.0004025	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	3.17	0.01711	0.01393	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	2.65	0.0143	0.003491	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.534	0.002882	0.0008182	IH10	7/24/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.137	0.0007394	0.0001505	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.494	0.002666	0.0005426	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	1.03	0.005559	0.00234	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0334	0.0001803	0.00007589	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	1.00	0.005397	0.002272	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	<0.0001619	<0.00003295	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.825	0.004453	0.001264	IH10	7/24/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG1171-24 (W071509-02A) — **Sample Air Volume:192.96L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0610	0.0003161	0.0000576	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	1.58	0.008188	0.004545	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.136	0.0007048	0.0003912	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	1.44	0.007463	0.004142	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	0.477	0.002472	0.001041	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001555	<0.0000678	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.266	0.001379	0.0003176	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.488	0.002529	0.0008575	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0576	0.0002985	0.0001012	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	0.430	0.002228	0.0007556	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.120	0.0006219	0.0002169	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	1.13	0.005856	0.004768	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0739	0.000383	0.0003118	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	1.06	0.005493	0.004473	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	0.973	0.005042	0.001231	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.0837	0.0004338	0.0001231	IH10	7/24/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG1171-24 (W071509-02A) - cont. **Sample Air Volume:192.96L** **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
m-Tolualdehyde	0.127	0.0006582	0.0001339	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.212	0.001099	0.0002236	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.372	0.001928	0.0008116	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Back	0.0311	0.0001612	0.00006785	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde - Front	0.341	0.001767	0.0007439	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0319	0.0001653	0.00003364	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.418	0.002166	0.0006149	IH10	7/24/2009	zn	0.0300	EPA TO-11A

Sample ID: PSG1171-25 (W071509-03A) **Sample Air Volume:176.16L** **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
2,5-Dimethyl Benzaldehyde	0.0936	0.0005313	0.00009682	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	4.94	0.02804	0.01557	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back	0.0794	0.0004507	0.0002502	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	4.86	0.02759	0.01531	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	2.12	0.01203	0.005066	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	<0.0001703	<0.00007427	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	0.326	0.001851	0.0004264	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	1.43	0.008118	0.002752	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back	0.0520	0.0002952	0.0001001	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	1.38	0.007834	0.002656	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	0.151	0.0008572	0.000299	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	2.65	0.01504	0.01225	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back	0.0823	0.0004672	0.0003804	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	2.57	0.01459	0.01188	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	1.71	0.009707	0.00237	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	0.337	0.001913	0.0005431	IH10	7/24/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	0.116	0.0006585	0.000134	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	0.386	0.002191	0.0004459	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	0.764	0.004337	0.001826	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	0.0439	0.0002492	0.00005071	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	0.626	0.003554	0.001009	IH10	7/24/2009	zn	0.0300	EPA TO-11A

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

Sample ID: PSG1171-26 (071509A-A) — **Sample Air Volume:L** — **Sampled: 07/15/09**

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	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde	0.0825	--	--	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Back (e)	0.0319	--	--	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetaldehyde - Front	0.0506	--	--	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Acetone	<0.300	--	--	IH11	7/24/2009	zn	0.300	EPA TO-11A
Acrolein	<0.0300	--	--	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Benzaldehyde	<0.0300	--	--	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde	0.0310	--	--	IH10, IH11	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Back (e)	0.0310	--	--	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Butyraldehyde - Front	<0.0300	--	--	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Crotonaldehyde	<0.0300	--	--	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde	0.180	--	--	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Back (e)	0.0623	--	--	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Formaldehyde - Front	0.118	--	--	IH11	7/24/2009	zn	0.0300	EPA TO-11A
Hexaldehyde	<0.0300	--	--	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Isovaleraldehyde	<0.0300	--	--	IH10	7/24/2009	zn	0.0300	EPA TO-11A
m-Tolualdehyde	<0.0300	--	--	IH10	7/24/2009	zn	0.0300	EPA TO-11A
o-Tolualdehyde	<0.0300	--	--	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Propionaldehyde	<0.0300	--	--	IH10	7/24/2009	zn	0.0300	EPA TO-11A
p-Tolualdehyde	<0.0300	--	--	IH10	7/24/2009	zn	0.0300	EPA TO-11A
Valeraldehyde	<0.0300	--	--	IH10	7/24/2009	zn	0.0300	EPA TO-11A

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

Inorganic Acids by NIOSH 7903 (Modified)

Sample ID: PSG1171-01 (C071509-01H) — **Sample Air Volume:96.96L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<2.12	<0.02186	<0.01466	IH10	7/22/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02248	<0.02747	IH10	7/22/2009	ZN	2.18	NIOSH 7903 (MOD)

Sample ID: PSG1171-02 (C071509-02H) — **Sample Air Volume:103.68L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<2.12	<0.02045	<0.01371	IH10	7/22/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02103	<0.02569	IH10	7/22/2009	ZN	2.18	NIOSH 7903 (MOD)

Sample ID: PSG1171-03 (C071509-03H) — **Sample Air Volume:99.84L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<2.12	<0.02123	<0.01424	IH10	7/22/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.02183	<0.02668	IH10	7/22/2009	ZN	2.18	NIOSH 7903 (MOD)

Sample ID: PSG1171-04 (G071509-01H) — **Sample Air Volume:124.32L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method
Hydrochloric Acid	<2.12	<0.01705	<0.01144	IH10	7/22/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01754	<0.02143	IH10	7/22/2009	ZN	2.18	NIOSH 7903 (MOD)

Sample ID: PSG1171-05 (G071509-02H) — **Sample Air Volume:122.88L** — **Sampled: 07/15/09**

Analyte	Result ug, Total	Result mg/m3	Result ppm	Qual	Date Analyzed	Analyst	Rpt Limit ug, Total	Method

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Inorganic Acids by NIOSH 7903 (Modified) - cont.

Analyte	Result (ug, Total)	Result (mg/m3)	Result (ppm)	Qual	Date Analyzed	Analyst	Rpt Limit (ug, Total)	Method
Sample ID: PSG1171-05 (G071509-02H) - cont.			**Sample Air Volume:122.88L**				**Sampled: 07/15/09**	
Hydrochloric Acid	<2.12	<0.01725	<0.01157	IH10	7/22/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01774	<0.02168	IH10	7/22/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG1171-06 (G071509-03H)			**Sample Air Volume:118.56L**				**Sampled: 07/15/09**	
Hydrochloric Acid	<2.12	<0.01788	<0.01199	IH10	7/22/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01839	<0.02247	IH10	7/22/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG1171-07 (S071509-01H)			**Sample Air Volume:122.4L**				**Sampled: 07/15/09**	
Hydrochloric Acid	<2.12	<0.01732	<0.01161	IH10	7/22/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01781	<0.02176	IH10	7/22/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG1171-08 (S071509-02H)			**Sample Air Volume:199.68L**				**Sampled: 07/15/09**	
Hydrochloric Acid	<2.12	<0.01062	<0.00712	IH10	7/22/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01092	<0.01334	IH10	7/22/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG1171-09 (S071509-03H)			**Sample Air Volume:174.24L**				**Sampled: 07/15/09**	
Hydrochloric Acid	<2.12	<0.01217	<0.008159	IH10	7/22/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01251	<0.01529	IH10	7/22/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG1171-10 (W071509-01H)			**Sample Air Volume:147.84L**				**Sampled: 07/15/09**	
Hydrochloric Acid	<2.12	<0.01434	<0.009616	IH10	7/23/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01475	<0.01802	IH10	7/23/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG1171-11 (W071509-02H)			**Sample Air Volume:173.28L**				**Sampled: 07/15/09**	
Hydrochloric Acid	<2.12	<0.01223	<0.008204	IH10	7/23/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01258	<0.01537	IH10	7/23/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG1171-12 (W071509-03H)			**Sample Air Volume:144.96L**				**Sampled: 07/15/09**	
Hydrochloric Acid	<2.12	<0.01462	<0.009807	IH10	7/23/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	<0.01504	<0.01838	IH10	7/23/2009	ZN	2.18	NIOSH 7903 (MOD)
Sample ID: PSG1171-13 (071509A-H)			**Sample Air Volume:L**				**Sampled: 07/15/09**	
Hydrochloric Acid	<2.12	--	--	IH10	7/23/2009	ZN	2.12	NIOSH 7903 (MOD)
Hydrofluoric Acid	<2.18	--	--	IH10	7/23/2009	ZN	2.18	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)						
P9G2334-BLK1						
Formaldehyde	0.09171		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Formaldehyde - Back	0.05759		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Acetaldehyde	0.04667		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Acetaldehyde - Back	0.03243		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Acrolein	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Acrolein - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Acetone	0.4908		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Acetone - Back	<0.300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Propionaldehyde	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Propionaldehyde - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Crotonaldehyde	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Crotonaldehyde - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Butyraldehyde	0.06000		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Butyraldehyde - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Benzaldehyde	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Benzaldehyde - Back	0.05249		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Isovaleraldehyde	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Isovaleraldehyde - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Valeraldehyde	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Valeraldehyde - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
o-Tolualdehyde	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
o-Tolualdehyde - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
m-Tolualdehyde	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
m-Tolualdehyde - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
p-Tolualdehyde	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
p-Tolualdehyde - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Hexaldehyde	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Hexaldehyde - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
2,5-Dimethyl Benzaldehyde	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
2,5-Dimethyl Benzaldehyde - Back	<0.0300		ug, Total	P9G2334	P9G2334-BLK1	07-23-2009
Inorganic Acids by NIOSH 7903 (Modified)						
P9G2220-BLK1						
Hydrochloric Acid	<2.12		ug, Total	P9G2220	P9G2220-BLK1	07-22-2009
Hydrochloric Acid - Back	<2.12		ug, Total	P9G2220	P9G2220-BLK1	07-22-2009
Hydrofluoric Acid	<2.18		ug, Total	P9G2220	P9G2220-BLK1	07-22-2009
Hydrofluoric Acid - Back	<2.18		ug, Total	P9G2220	P9G2220-BLK1	07-22-2009

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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)									
P9G2334-DUP1									
Formaldehyde	2.140	2.154	IH11	ug, Total	0.652	10	P9G2334	PSG1171-14	07-24-2009
Acetaldehyde	4.870	4.870	IH11	ug, Total	0.00000235	10	P9G2334	PSG1171-14	07-24-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9G2334	PSG1171-14	07-24-2009
Acetone	1.980	1.986	IH11	ug, Total	0.303	10	P9G2334	PSG1171-14	07-24-2009
Propionaldehyde	0.8900	0.8834	IH10	ug, Total	0.744	10	P9G2334	PSG1171-14	07-24-2009
Crotonaldehyde	0.2210	0.2283	IH10	ug, Total	3.25	10	P9G2334	PSG1171-14	07-24-2009
Butyraldehyde	1.500	1.503	IH11	ug, Total	0.2	10	P9G2334	PSG1171-14	07-24-2009
Benzaldehyde	0.3110	0.3189	IH10	ug, Total	2.51	10	P9G2334	PSG1171-14	07-24-2009
Isovaleraldehyde	0.1180	0.1130	IH10	ug, Total	4.33	10	P9G2334	PSG1171-14	07-24-2009
Valeraldehyde	0.6790	0.6829	IH10	ug, Total	0.573	10	P9G2334	PSG1171-14	07-24-2009
o-Tolualdehyde	0.2520	0.2513	IH10	ug, Total	0.278	10	P9G2334	PSG1171-14	07-24-2009
m-Tolualdehyde	0.1300	0.1257	IH10	ug, Total	3.36	10	P9G2334	PSG1171-14	07-24-2009
p-Tolualdehyde	0.04330	0.04067	IH10	ug, Total	6.26	10	P9G2334	PSG1171-14	07-24-2009
Hexaldehyde	1.830	1.824	IH10	ug, Total	0.328	10	P9G2334	PSG1171-14	07-24-2009
2,5-Dimethyl Benzaldehyde	0.06640	0.06489	IH10	ug, Total	2.3	10	P9G2334	PSG1171-14	07-24-2009
P9G2334-DUP2									
Formaldehyde	1.060	1.062	IH11	ug, Total	0.189	10	P9G2334	PSG1171-24	07-24-2009
Acetaldehyde	1.440	1.436	IH11	ug, Total	0.278	10	P9G2334	PSG1171-24	07-24-2009
Acrolein	ND	<0.0300	IH10	ug, Total		10	P9G2334	PSG1171-24	07-24-2009
Acetone	0.4770	0.4746	IH11	ug, Total	0.504	10	P9G2334	PSG1171-24	07-24-2009
Propionaldehyde	0.3410	0.3410	IH10	ug, Total	0.00000273	10	P9G2334	PSG1171-24	07-24-2009
Crotonaldehyde	0.1200	0.1135	IH10	ug, Total	5.57	10	P9G2334	PSG1171-24	07-24-2009
Butyraldehyde	0.4300	0.4199	IH11	ug, Total	2.38	10	P9G2334	PSG1171-24	07-24-2009
Benzaldehyde	0.2660	0.2576	IH10	ug, Total	3.21	10	P9G2334	PSG1171-24	07-24-2009
Isovaleraldehyde	0.08370	0.08293	IH10	ug, Total	0.924	10	P9G2334	PSG1171-24	07-24-2009
Valeraldehyde	0.4180	0.3998	IH10	ug, Total	4.45	10	P9G2334	PSG1171-24	07-24-2009
o-Tolualdehyde	0.2120	0.2093	IH10	ug, Total	1.28	10	P9G2334	PSG1171-24	07-24-2009
m-Tolualdehyde	0.1270	0.1289	IH10	ug, Total	1.48	10	P9G2334	PSG1171-24	07-24-2009
p-Tolualdehyde	0.03190	0.03280	IH10	ug, Total	2.78	10	P9G2334	PSG1171-24	07-24-2009
Hexaldehyde	0.9730	0.9671	IH10	ug, Total	0.608	10	P9G2334	PSG1171-24	07-24-2009
2,5-Dimethyl Benzaldehyde	0.06100	0.06065	IH10	ug, Total	0.575	10	P9G2334	PSG1171-24	07-24-2009

LCS

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Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date
Aldehydes and Ketones by EPA TO-11A (Modified)								
P9G2334-BS1								
Formaldehyde	0.45	0.5427	IH11	ug, Total	121%	22-134	P9G2334	07-23-2009
Acetaldehyde	0.45	0.4830	IH11	ug, Total	107%	51-142	P9G2334	07-23-2009
Acrolein	0.45	0.1281	IH10, L2	ug, Total	29%	75-125	P9G2334	07-23-2009
Acetone	0.45	0.9458	IH11, L1	ug, Total	210%	75-125	P9G2334	07-23-2009
Propionaldehyde	0.45	0.8150	IH10, IH5	ug, Total	181%	67-145	P9G2334	07-23-2009
Crotonaldehyde	0.45	0.3255	IH10	ug, Total	72%	66-146	P9G2334	07-23-2009
Butyraldehyde	0.45	0.5192	IH11	ug, Total	115%	56-141	P9G2334	07-23-2009
Benzaldehyde	0.45	0.4579	IH10	ug, Total	102%	57-142	P9G2334	07-23-2009
Isovaleraldehyde	0.45	0.4417	IH10	ug, Total	98%	66-144	P9G2334	07-23-2009
Valeraldehyde	0.45	0.4632	IH10	ug, Total	103%	66-144	P9G2334	07-23-2009
o-Tolualdehyde	0.45	0.4765	IH10	ug, Total	106%	39-130	P9G2334	07-23-2009
m-Tolualdehyde	0.45	0.4486	IH10	ug, Total	100%	73-143	P9G2334	07-23-2009
p-Tolualdehyde	0.45	0.4167	IH10	ug, Total	93%	66-147	P9G2334	07-23-2009
Hexaldehyde	0.45	0.4600	IH10	ug, Total	102%	65-145	P9G2334	07-23-2009
2,5-Dimethyl Benzaldehyde	0.45	0.4258	IH10	ug, Total	95%	75-144	P9G2334	07-23-2009
Inorganic Acids by NIOSH 7903 (Modified)								
P9G2220-BS1								
Hydrochloric Acid	10.3	11.05	IH10	ug, Total	107%	70-130	P9G2220	07-22-2009
Hydrofluoric Acid	10.5	9.509	IH10	ug, Total	91%	70-130	P9G2220	07-22-2009

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)												
P9G2334-BSD1												
Formaldehyde		0.5391	IH11	ug, Total	0.45	120%	22-134	0.666	20	P9G2334		07-23-2009
Acetaldehyde		0.4853	IH11	ug, Total	0.45	108%	51-142	0.475	20	P9G2334		07-23-2009
Acrolein		0.1332	IH10, L2	ug, Total	0.45	30%	75-125	3.9	20	P9G2334		07-23-2009
Acetone		0.9950	IH11, L1	ug, Total	0.45	221%	75-125	5.07	20	P9G2334		07-23-2009
Propionaldehyde		0.8285	IH10,	ug, Total	0.45	184%	67-145	1.64	20	P9G2334		07-23-2009
Crotonaldehyde		0.3195	IH10	ug, Total	0.45	71%	66-146	1.86	20	P9G2334		07-23-2009
Butyraldehyde		0.5103	IH11	ug, Total	0.45	113%	56-141	1.73	20	P9G2334		07-23-2009
Benzaldehyde		0.4619	IH10	ug, Total	0.45	103%	57-142	0.87	20	P9G2334		07-23-2009
Isovaleraldehyde		0.4462	IH10	ug, Total	0.45	99%	66-144	1.01	20	P9G2334		07-23-2009
Valeraldehyde		0.4706	IH10	ug, Total	0.45	105%	66-144	1.58	20	P9G2334		07-23-2009
o-Tolualdehyde		0.4797	IH10	ug, Total	0.45	107%	39-130	0.669	20	P9G2334		07-23-2009
m-Tolualdehyde		0.4515	IH10	ug, Total	0.45	100%	73-143	0.644	20	P9G2334		07-23-2009
p-Tolualdehyde		0.4214	IH10	ug, Total	0.45	94%	66-147	1.12	20	P9G2334		07-23-2009
Hexaldehyde		0.4656	IH10	ug, Total	0.45	103%	65-145	1.21	20	P9G2334		07-23-2009
2,5-Dimethyl Benzaldehyde		0.4300	IH10	ug, Total	0.45	96%	75-144	0.982	20	P9G2334		07-23-2009
Inorganic Acids by NIOSH 7903 (Modified)												
P9G2220-BSD1												
Hydrochloric Acid		10.78	IH10	ug, Total	10.3	105%	70-130	2.47	30	P9G2220		07-22-2009

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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)												
P9G2220-BSD1												
Hydrofluoric Acid		9.401	IH10	ug, Total	10.5	90%	70-130	1.14	30	P9G2220		07-22-2009

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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.

ADDITIONAL COMMENTS