

May 26, 2011

Mr. Hari Regupathy  
EnviroForensics  
602 N. Capitol  
Indianapolis, IN 46204

FID 241 094 590

RE: Project: 6107 Shorewood  
Pace Project No.: 10156865

Dear Mr. Regupathy:

Enclosed are the analytical results for sample(s) received by the laboratory on May 10, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

*Carolynne Trout*

Carolynne Trout

carolynne.trout@pacelabs.com  
Project Manager

Enclosures

**REPORT OF LABORATORY ANALYSIS**

Page 1 of 18

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## CERTIFICATIONS

Project: 6107 Shorewood  
Pace Project No.: 10156865

### Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414  
A2LA Certification #: 2926.01  
Alaska Certification #: UST-078  
Alaska Certification #MN00064  
Arizona Certification #: AZ-0014  
Arkansas Certification #: 88-0680  
California Certification #: 01155CA  
EPA Region 8 Certification #: Pace  
Florida/NELAP Certification #: E87605  
Georgia Certification #: 959  
Idaho Certification #: MN00064  
Illinois Certification #: 200011  
Iowa Certification #: 368  
Kansas Certification #: E-10167  
Louisiana Certification #: 03086  
Louisiana Certification #: LA080009  
Maine Certification #: 2007029  
Maryland Certification #: 322  
Michigan DEQ Certification #: 9909  
Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace  
Montana Certification #: MT CERT0092  
Nevada Certification #: MN\_00064  
Nebraska Certification #: Pace  
New Jersey Certification #: MN-002  
New Mexico Certification #: Pace  
New York Certification #: 11647  
North Carolina Certification #: 530  
North Dakota Certification #: R-036  
North Dakota Certification #: R-036A  
Ohio VAP Certification #: CL101  
Oklahoma Certification #: D9921  
Oklahoma Certification #: 9507  
Oregon Certification #: MN200001  
Pennsylvania Certification #: 68-00563  
Puerto Rico Certification  
Tennessee Certification #: 02818  
Texas Certification #: T104704192  
Washington Certification #: C754  
Wisconsin Certification #: 999407970

## REPORT OF LABORATORY ANALYSIS

Page 2 of 18

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### SAMPLE SUMMARY

Project: 6107 Shorewood  
Pace Project No.: 10156865

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10156865001	6107-SSV-PEG-1	Air	05/06/11 12:25	05/10/11 08:56
10156865002	6107-SSV-PEG-2	Air	05/06/11 11:25	05/10/11 08:56
10156865003	6107-SSV-PEG-3	Air	05/06/11 10:15	05/10/11 08:56
10156865004	1799	Air		05/10/11 08:56

### REPORT OF LABORATORY ANALYSIS

Page 3 of 18

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**SAMPLE ANALYTE COUNT**

Project: 6107 Shorewood  
Pace Project No.: 10156865

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10156865001	6107-SSV-PEG-1	TO-15	DR1	57
10156865002	6107-SSV-PEG-2	TO-15	DR1	57
10156865003	6107-SSV-PEG-3	TO-15	DR1	57

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### ANALYTICAL RESULTS

Project: 6107 Shorewood  
Pace Project No.: 10156865

Sample: 6107-SSV-PEG-1      Lab ID: 10156865001      Collected: 05/06/11 12:25      Received: 05/10/11 08:56      Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
Acetone	43200	ug/m3	516	1075.2		05/20/11 18:16	67-64-1	
Benzene	ND	ug/m3	699	1075.2		05/20/11 18:16	71-43-2	
Bromodichloromethane	ND	ug/m3	1510	1075.2		05/20/11 18:16	75-27-4	
Bromoform	ND	ug/m3	2260	1075.2		05/20/11 18:16	75-25-2	
Bromomethane	ND	ug/m3	849	1075.2		05/20/11 18:16	74-83-9	
1,3-Butadiene	ND	ug/m3	484	1075.2		05/20/11 18:16	106-99-0	
2-Butanone (MEK)	ND	ug/m3	645	1075.2		05/20/11 18:16	78-93-3	
Carbon disulfide	ND	ug/m3	677	1075.2		05/20/11 18:16	75-15-0	
Carbon tetrachloride	ND	ug/m3	1400	1075.2		05/20/11 18:16	56-23-5	
Chlorobenzene	ND	ug/m3	1010	1075.2		05/20/11 18:16	108-90-7	
Chloroethane	ND	ug/m3	581	1075.2		05/20/11 18:16	75-00-3	
Chloroform	ND	ug/m3	1060	1075.2		05/20/11 18:16	67-66-3	
Chloromethane	ND	ug/m3	452	1075.2		05/20/11 18:16	74-87-3	
Cyclohexane	ND	ug/m3	731	1075.2		05/20/11 18:16	110-82-7	
Dibromochloromethane	ND	ug/m3	1830	1075.2		05/20/11 18:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	1720	1075.2		05/20/11 18:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1290	1075.2		05/20/11 18:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1290	1075.2		05/20/11 18:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1290	1075.2		05/20/11 18:16	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1080	1075.2		05/20/11 18:16	75-71-8	
1,1-Dichloroethane	ND	ug/m3	882	1075.2		05/20/11 18:16	75-34-3	
1,2-Dichloroethane	ND	ug/m3	882	1075.2		05/20/11 18:16	107-06-2	
1,1-Dichloroethene	ND	ug/m3	871	1075.2		05/20/11 18:16	75-35-4	
cis-1,2-Dichloroethene	8860	ug/m3	871	1075.2		05/20/11 18:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	871	1075.2		05/20/11 18:16	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1010	1075.2		05/20/11 18:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	989	1075.2		05/20/11 18:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	989	1075.2		05/20/11 18:16	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1510	1075.2		05/20/11 18:16	76-14-2	
Ethyl acetate	ND	ug/m3	785	1075.2		05/20/11 18:16	141-78-6	
Ethylbenzene	ND	ug/m3	946	1075.2		05/20/11 18:16	100-41-4	
4-Ethyltoluene	ND	ug/m3	2690	1075.2		05/20/11 18:16	622-96-8	
n-Heptane	ND	ug/m3	892	1075.2		05/20/11 18:16	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2370	1075.2		05/20/11 18:16	87-68-3	
n-Hexane	ND	ug/m3	774	1075.2		05/20/11 18:16	110-54-3	
2-Hexanone	ND	ug/m3	892	1075.2		05/20/11 18:16	591-78-6	
Methylene Chloride	ND	ug/m3	763	1075.2		05/20/11 18:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	892	1075.2		05/20/11 18:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	785	1075.2		05/20/11 18:16	1634-04-4	
Propylene	ND	ug/m3	376	1075.2		05/20/11 18:16	115-07-1	
Styrene	ND	ug/m3	935	1075.2		05/20/11 18:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1510	1075.2		05/20/11 18:16	79-34-5	
Tetrachloroethene	866000	ug/m3	12000	8601.6		05/23/11 13:51	127-18-4	
Tetrahydrofuran	ND	ug/m3	645	1075.2		05/20/11 18:16	109-99-9	
Toluene	ND	ug/m3	828	1075.2		05/20/11 18:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1060	1075.2		05/20/11 18:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1180	1075.2		05/20/11 18:16	71-55-6	

Date: 05/26/2011 10:42 AM

### REPORT OF LABORATORY ANALYSIS

Page 5 of 18

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### ANALYTICAL RESULTS

Project: 6107 Shorewood  
Pace Project No.: 10156865

Sample: 6107-SSV-PEG-1		Lab ID: 10156865001	Collected: 05/06/11 12:25	Received: 05/10/11 08:56	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	1180	1075.2		05/20/11 18:16	79-00-5	
Trichloroethene	15100	ug/m3	591	1075.2		05/20/11 18:16	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1180	1075.2		05/20/11 18:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1720	1075.2		05/20/11 18:16	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2690	1075.2		05/20/11 18:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2690	1075.2		05/20/11 18:16	108-67-8	
Vinyl acetate	ND	ug/m3	763	1075.2		05/20/11 18:16	108-05-4	
Vinyl chloride	ND	ug/m3	559	1075.2		05/20/11 18:16	75-01-4	
m&p-Xylene	ND	ug/m3	1890	1075.2		05/20/11 18:16	179601-23-1	
o-Xylene	ND	ug/m3	946	1075.2		05/20/11 18:16	95-47-6	

### ANALYTICAL RESULTS

Project: 6107 Shorewood  
Pace Project No.: 10156865

Sample: 6107-SSV-PEG-2		Lab ID: 10156865002	Collected: 05/06/11 11:25	Received: 05/10/11 08:56	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		<b>Analytical Method: TO-15</b>						
Acetone	357	ug/m3	24.4	50.8		05/23/11 13:21	67-64-1	
Benzene	ND	ug/m3	2.0	3.13		05/20/11 16:21	71-43-2	
Bromodichloromethane	ND	ug/m3	4.4	3.13		05/20/11 16:21	75-27-4	
Bromofom	ND	ug/m3	6.6	3.13		05/20/11 16:21	75-25-2	
Bromomethane	ND	ug/m3	2.5	3.13		05/20/11 16:21	74-83-9	
1,3-Butadiene	ND	ug/m3	1.4	3.13		05/20/11 16:21	106-99-0	
2-Butanone (MEK)	37.3	ug/m3	1.9	3.13		05/20/11 16:21	78-93-3	
Carbon disulfide	7.4	ug/m3	2.0	3.13		05/20/11 16:21	75-15-0	
Carbon tetrachloride	ND	ug/m3	4.1	3.13		05/20/11 16:21	56-23-5	
Chlorobenzene	ND	ug/m3	2.9	3.13		05/20/11 16:21	108-90-7	
Chloroethane	ND	ug/m3	1.7	3.13		05/20/11 16:21	75-00-3	
Chlorofom	ND	ug/m3	3.1	3.13		05/20/11 16:21	67-66-3	
Chloromethane	ND	ug/m3	1.3	3.13		05/20/11 16:21	74-87-3	
Cyclohexane	ND	ug/m3	2.1	3.13		05/20/11 16:21	110-82-7	
Dibromochloromethane	ND	ug/m3	5.3	3.13		05/20/11 16:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	5.0	3.13		05/20/11 16:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	3.8	3.13		05/20/11 16:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.8	3.13		05/20/11 16:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.8	3.13		05/20/11 16:21	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	3.1	3.13		05/20/11 16:21	75-71-8	
1,1-Dichloroethane	ND	ug/m3	2.6	3.13		05/20/11 16:21	75-34-3	
1,2-Dichloroethane	ND	ug/m3	2.6	3.13		05/20/11 16:21	107-06-2	
1,1-Dichloroethene	ND	ug/m3	2.5	3.13		05/20/11 16:21	75-35-4	
cis-1,2-Dichloroethene	86.8	ug/m3	2.5	3.13		05/20/11 16:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	2.5	3.13		05/20/11 16:21	156-60-5	
1,2-Dichloropropane	ND	ug/m3	2.9	3.13		05/20/11 16:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	2.9	3.13		05/20/11 16:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	2.9	3.13		05/20/11 16:21	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	4.4	3.13		05/20/11 16:21	76-14-2	
Ethyl acetate	9.0	ug/m3	2.3	3.13		05/20/11 16:21	141-78-6	
Ethylbenzene	7.3	ug/m3	2.8	3.13		05/20/11 16:21	100-41-4	
4-Ethyltoluene	17.0	ug/m3	7.8	3.13		05/20/11 16:21	622-96-8	
n-Heptane	14.5	ug/m3	2.6	3.13		05/20/11 16:21	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	6.9	3.13		05/20/11 16:21	87-68-3	
n-Hexane	70.6	ug/m3	2.3	3.13		05/20/11 16:21	110-54-3	
2-Hexanone	10.5	ug/m3	2.6	3.13		05/20/11 16:21	591-78-6	
Methylene Chloride	103	ug/m3	2.2	3.13		05/20/11 16:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	2.6	3.13		05/20/11 16:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	2.3	3.13		05/20/11 16:21	1634-04-4	
Propylene	179	ug/m3	17.8	50.8		05/23/11 13:21	115-07-1	
Styrene	ND	ug/m3	2.7	3.13		05/20/11 16:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	4.4	3.13		05/20/11 16:21	79-34-5	
Tetrachloroethene	4100	ug/m3	71.1	50.8		05/23/11 13:21	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.9	3.13		05/20/11 16:21	109-99-9	
Toluene	79.1	ug/m3	2.4	3.13		05/20/11 16:21	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.1	3.13		05/20/11 16:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	3.4	3.13		05/20/11 16:21	71-55-6	

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### REPORT OF LABORATORY ANALYSIS

Page 7 of 18

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### ANALYTICAL RESULTS

Project: 6107 Shorewood  
Pace Project No.: 10156865

Sample: 6107-SSV-PEG-2		Lab ID: 10156865002	Collected: 05/06/11 11:25	Received: 05/10/11 08:56	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	3.4	3.13		05/20/11 16:21	79-00-5	
Trichloroethene	146	ug/m3	1.7	3.13		05/20/11 16:21	79-01-6	
Trichlorofluoromethane	ND	ug/m3	3.4	3.13		05/20/11 16:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	5.0	3.13		05/20/11 16:21	76-13-1	
1,2,4-Trimethylbenzene	64.3	ug/m3	7.8	3.13		05/20/11 16:21	95-63-6	
1,3,5-Trimethylbenzene	20.4	ug/m3	7.8	3.13		05/20/11 16:21	108-67-8	
Vinyl acetate	ND	ug/m3	2.2	3.13		05/20/11 16:21	108-05-4	
Vinyl chloride	ND	ug/m3	1.6	3.13		05/20/11 16:21	75-01-4	
m&p-Xylene	34.0	ug/m3	5.5	3.13		05/20/11 16:21	179601-23-1	
o-Xylene	17.4	ug/m3	2.8	3.13		05/20/11 16:21	95-47-6	



### ANALYTICAL RESULTS

Project: 6107 Shorewood  
Pace Project No.: 10156865

Sample: 6107-SSV-PEG-3      Lab ID: 10156865003      Collected: 05/06/11 10:15      Received: 05/10/11 08:56      Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
Acetone	7740	ug/m3	129	268.8		05/20/11 17:48	67-64-1	
Benzene	ND	ug/m3	175	268.8		05/20/11 17:48	71-43-2	
Bromodichloromethane	ND	ug/m3	376	268.8		05/20/11 17:48	75-27-4	
Bromoform	ND	ug/m3	564	268.8		05/20/11 17:48	75-25-2	
Bromomethane	ND	ug/m3	212	268.8		05/20/11 17:48	74-83-9	
1,3-Butadiene	ND	ug/m3	121	268.8		05/20/11 17:48	106-99-0	
2-Butanone (MEK)	ND	ug/m3	161	268.8		05/20/11 17:48	78-93-3	
Carbon disulfide	305	ug/m3	169	268.8		05/20/11 17:48	75-15-0	
Carbon tetrachloride	ND	ug/m3	349	268.8		05/20/11 17:48	56-23-5	
Chlorobenzene	ND	ug/m3	253	268.8		05/20/11 17:48	108-90-7	
Chloroethane	ND	ug/m3	145	268.8		05/20/11 17:48	75-00-3	
Chloroform	ND	ug/m3	266	268.8		05/20/11 17:48	67-66-3	
Chloromethane	ND	ug/m3	113	268.8		05/20/11 17:48	74-87-3	
Cyclohexane	ND	ug/m3	183	268.8		05/20/11 17:48	110-82-7	
Dibromochloromethane	ND	ug/m3	457	268.8		05/20/11 17:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	430	268.8		05/20/11 17:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	323	268.8		05/20/11 17:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	323	268.8		05/20/11 17:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	323	268.8		05/20/11 17:48	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	269	268.8		05/20/11 17:48	75-71-8	D3
1,1-Dichloroethane	ND	ug/m3	220	268.8		05/20/11 17:48	75-34-3	
1,2-Dichloroethane	ND	ug/m3	220	268.8		05/20/11 17:48	107-06-2	
1,1-Dichloroethene	ND	ug/m3	218	268.8		05/20/11 17:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	218	268.8		05/20/11 17:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	218	268.8		05/20/11 17:48	156-60-5	
1,2-Dichloropropane	ND	ug/m3	253	268.8		05/20/11 17:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	247	268.8		05/20/11 17:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	247	268.8		05/20/11 17:48	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	376	268.8		05/20/11 17:48	76-14-2	
Ethyl acetate	ND	ug/m3	196	268.8		05/20/11 17:48	141-78-6	
Ethylbenzene	ND	ug/m3	237	268.8		05/20/11 17:48	100-41-4	
4-Ethyltoluene	ND	ug/m3	672	268.8		05/20/11 17:48	622-96-8	
n-Heptane	ND	ug/m3	223	268.8		05/20/11 17:48	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	591	268.8		05/20/11 17:48	87-68-3	
n-Hexane	786	ug/m3	194	268.8		05/20/11 17:48	110-54-3	
2-Hexanone	ND	ug/m3	223	268.8		05/20/11 17:48	591-78-6	
Methylene Chloride	ND	ug/m3	191	268.8		05/20/11 17:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	223	268.8		05/20/11 17:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	196	268.8		05/20/11 17:48	1634-04-4	
Propylene	13200	ug/m3	94.1	268.8		05/20/11 17:48	115-07-1	
Styrene	ND	ug/m3	234	268.8		05/20/11 17:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	376	268.8		05/20/11 17:48	79-34-5	
Tetrachloroethene	ND	ug/m3	376	268.8		05/20/11 17:48	127-18-4	1M
Tetrahydrofuran	ND	ug/m3	161	268.8		05/20/11 17:48	109-99-9	
Toluene	ND	ug/m3	207	268.8		05/20/11 17:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	266	268.8		05/20/11 17:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	296	268.8		05/20/11 17:48	71-55-6	

Date: 05/26/2011 10:42 AM

### REPORT OF LABORATORY ANALYSIS

Page 9 of 18

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**ANALYTICAL RESULTS**

Project: 6107 Shorewood  
Pace Project No.: 10156865

Sample: 6107-SSV-PEG-3      Lab ID: 10156865003      Collected: 05/06/11 10:15      Received: 05/10/11 08:56      Matrix: Air								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	296	268.8		05/20/11 17:48	79-00-5	
Trichloroethene	ND	ug/m3	148	268.8		05/20/11 17:48	79-01-6	
Trichlorofluoromethane	ND	ug/m3	296	268.8		05/20/11 17:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	430	268.8		05/20/11 17:48	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	672	268.8		05/20/11 17:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	672	268.8		05/20/11 17:48	108-67-8	
Vinyl acetate	ND	ug/m3	191	268.8		05/20/11 17:48	108-05-4	
Vinyl chloride	ND	ug/m3	140	268.8		05/20/11 17:48	75-01-4	
m&p-Xylene	ND	ug/m3	473	268.8		05/20/11 17:48	179601-23-1	
o-Xylene	ND	ug/m3	237	268.8		05/20/11 17:48	95-47-6	

**QUALITY CONTROL DATA**

Project: 6107 Shorewood  
Pace Project No.: 10156865

QC Batch: AIR/12338 Analysis Method: TO-15  
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level  
Associated Lab Samples: 10156865001, 10156865002, 10156865003

METHOD BLANK: 980227 Matrix: Air  
Associated Lab Samples: 10156865001, 10156865002, 10156865003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	05/20/11 14:49	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	05/20/11 14:49	
1,1,2-Trichloroethane	ug/m3	ND	1.1	05/20/11 14:49	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	05/20/11 14:49	
1,1-Dichloroethane	ug/m3	ND	0.82	05/20/11 14:49	
1,1-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	05/20/11 14:49	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	05/20/11 14:49	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	05/20/11 14:49	
1,2-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
1,2-Dichloroethane	ug/m3	ND	0.82	05/20/11 14:49	
1,2-Dichloropropane	ug/m3	ND	0.94	05/20/11 14:49	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	05/20/11 14:49	
1,3-Butadiene	ug/m3	ND	0.45	05/20/11 14:49	
1,3-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
1,4-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
2-Butanone (MEK)	ug/m3	ND	0.60	05/20/11 14:49	
2-Hexanone	ug/m3	ND	0.83	05/20/11 14:49	
4-Ethyltoluene	ug/m3	ND	2.5	05/20/11 14:49	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	05/20/11 14:49	
Acetone	ug/m3	ND	0.48	05/20/11 14:49	
Benzene	ug/m3	ND	0.65	05/20/11 14:49	
Bromodichloromethane	ug/m3	ND	1.4	05/20/11 14:49	
Bromoform	ug/m3	ND	2.1	05/20/11 14:49	
Bromomethane	ug/m3	ND	0.79	05/20/11 14:49	
Carbon disulfide	ug/m3	ND	0.63	05/20/11 14:49	
Carbon tetrachloride	ug/m3	ND	1.3	05/20/11 14:49	
Chlorobenzene	ug/m3	ND	0.94	05/20/11 14:49	
Chloroethane	ug/m3	ND	0.54	05/20/11 14:49	
Chloroform	ug/m3	ND	0.99	05/20/11 14:49	
Chloromethane	ug/m3	ND	0.42	05/20/11 14:49	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	05/20/11 14:49	
Cyclohexane	ug/m3	ND	0.68	05/20/11 14:49	
Dibromochloromethane	ug/m3	ND	1.7	05/20/11 14:49	
Dichlorodifluoromethane	ug/m3	ND	1.0	05/20/11 14:49	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	05/20/11 14:49	
Ethyl acetate	ug/m3	ND	0.73	05/20/11 14:49	
Ethylbenzene	ug/m3	ND	0.88	05/20/11 14:49	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	05/20/11 14:49	
m&p-Xylene	ug/m3	ND	1.8	05/20/11 14:49	
Methyl-tert-butyl ether	ug/m3	ND	0.73	05/20/11 14:49	
Methylene Chloride	ug/m3	ND	0.71	05/20/11 14:49	

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**REPORT OF LABORATORY ANALYSIS**

Page 11 of 18

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### QUALITY CONTROL DATA

Project: 6107 Shorewood  
Pace Project No.: 10156865

METHOD BLANK: 980227 Matrix: Air

Associated Lab Samples: 10156865001, 10156865002, 10156865003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Heptane	ug/m3	ND	0.83	05/20/11 14:49	
n-Hexane	ug/m3	ND	0.72	05/20/11 14:49	
o-Xylene	ug/m3	ND	0.88	05/20/11 14:49	
Propylene	ug/m3	ND	0.35	05/20/11 14:49	
Styrene	ug/m3	ND	0.87	05/20/11 14:49	
Tetrachloroethene	ug/m3	ND	1.4	05/20/11 14:49	
Tetrahydrofuran	ug/m3	ND	0.60	05/20/11 14:49	
Toluene	ug/m3	ND	0.77	05/20/11 14:49	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	05/20/11 14:49	
Trichloroethene	ug/m3	ND	0.55	05/20/11 14:49	
Trichlorofluoromethane	ug/m3	ND	1.1	05/20/11 14:49	
Vinyl acetate	ug/m3	ND	0.71	05/20/11 14:49	
Vinyl chloride	ug/m3	ND	0.52	05/20/11 14:49	

LABORATORY CONTROL SAMPLE: 980228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	57.4	103	66-133	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	73.6	105	70-140	
1,1,2-Trichloroethane	ug/m3	55.5	56.2	101	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	79.6	102	60-137	
1,1-Dichloroethane	ug/m3	41.2	38.4	93	65-131	
1,1-Dichloroethene	ug/m3	40.3	40.4	100	65-132	
1,2,4-Trichlorobenzene	ug/m3	75.5	70.5	93	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	54.3	109	69-140	
1,2-Dibromoethane (EDB)	ug/m3	78.1	82.7	106	71-139	
1,2-Dichlorobenzene	ug/m3	61.2	54.8	90	68-139	
1,2-Dichloroethane	ug/m3	41.2	42.5	103	66-132	
1,2-Dichloropropane	ug/m3	47	49.7	106	69-130	
1,3,5-Trimethylbenzene	ug/m3	50	54.0	108	70-141	
1,3-Butadiene	ug/m3	22.5	23.7	105	68-128	
1,3-Dichlorobenzene	ug/m3	61.2	62.4	102	66-146	
1,4-Dichlorobenzene	ug/m3	61.2	61.9	101	66-142	
2-Butanone (MEK)	ug/m3	30	31.3	104	68-134	
2-Hexanone	ug/m3	41.7	44.0	106	70-144	
4-Ethyltoluene	ug/m3	50	56.4	113	65-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	44.4	107	70-139	
Acetone	ug/m3	24.2	19.0	79	56-142	
Benzene	ug/m3	32.5	35.7	110	69-129	
Bromodichloromethane	ug/m3	68.2	71.0	104	70-130	
Bromoform	ug/m3	105	109	104	67-147	
Bromomethane	ug/m3	39.5	31.6	80	67-127	
Carbon disulfide	ug/m3	31.7	29.8	94	65-131	
Carbon tetrachloride	ug/m3	64	62.8	98	62-137	

Date: 05/26/2011 10:42 AM

### REPORT OF LABORATORY ANALYSIS

Page 12 of 18

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**QUALITY CONTROL DATA**

Project: 6107 Shorewood  
Pace Project No.: 10156865

LABORATORY CONTROL SAMPLE: 980228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/m3	46.8	49.2	105	72-133	
Chloroethane	ug/m3	26.8	27.6	103	66-127	
Chloroform	ug/m3	49.7	53.5	108	67-130	
Chloromethane	ug/m3	21	21.3	102	63-127	
cis-1,2-Dichloroethene	ug/m3	40.3	42.2	105	69-130	
cis-1,3-Dichloropropene	ug/m3	46.2	48.4	105	74-137	
Cyclohexane	ug/m3	35	37.3	106	69-137	
Dibromochloromethane	ug/m3	86.6	89.9	104	69-140	
Dichlorodifluoromethane	ug/m3	50.3	50.5	100	62-131	
Dichlorotetrafluoroethane	ug/m3	71.1	73.8	104	63-130	
Ethyl acetate	ug/m3	36.6	39.5	108	70-135	
Ethylbenzene	ug/m3	44.2	45.6	103	71-141	
Hexachloro-1,3-butadiene	ug/m3	108	128	118	30-150	SS
m&p-Xylene	ug/m3	88.3	89.5	101	68-144	
Methyl-tert-butyl ether	ug/m3	36.7	37.3	102	54-136	
Methylene Chloride	ug/m3	35.3	35.8	101	56-143	
n-Heptane	ug/m3	41.7	44.7	107	72-130	
n-Hexane	ug/m3	35.8	38.0	106	68-130	
o-Xylene	ug/m3	44.2	46.6	106	70-141	
Propylene	ug/m3	17.5	18.9	108	61-139	
Styrene	ug/m3	43.3	44.5	103	68-145	
Tetrachloroethene	ug/m3	69	73.4	106	64-142	
Tetrahydrofuran	ug/m3	30	32.0	107	70-134	SS
Toluene	ug/m3	38.3	40.9	107	69-133	
trans-1,2-Dichloroethene	ug/m3	40.3	38.0	94	64-132	
trans-1,3-Dichloropropene	ug/m3	46.2	46.6	101	71-140	
Trichloroethene	ug/m3	54.6	57.2	105	68-132	
Trichlorofluoromethane	ug/m3	57.1	54.8	96	59-136	
Vinyl acetate	ug/m3	35.8	34.1	95	70-142	
Vinyl chloride	ug/m3	26	27.0	104	64-129	

SAMPLE DUPLICATE: 981140

Parameter	Units	10157654001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND			25
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND			25
1,1,2-Trichloroethane	ug/m3	ND	ND			25
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND			25
1,1-Dichloroethane	ug/m3	ND	ND			25
1,1-Dichloroethene	ug/m3	ND	ND			25
1,2,4-Trichlorobenzene	ug/m3	ND	ND			25
1,2,4-Trimethylbenzene	ug/m3	237	235	.8		25 E
1,2-Dibromoethane (EDB)	ug/m3	ND	ND			25
1,2-Dichlorobenzene	ug/m3	ND	ND			25
1,2-Dichloroethane	ug/m3	ND	ND			25
1,2-Dichloropropane	ug/m3	ND	ND			25
1,3,5-Trimethylbenzene	ug/m3	114	110	3		25

Date: 05/26/2011 10:42 AM

**REPORT OF LABORATORY ANALYSIS**

Page 13 of 18

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QUALITY CONTROL DATA

Project: 6107 Shorewood  
Pace Project No.: 10156865

SAMPLE DUPLICATE: 981140

Parameter	Units	10157654001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	131	130	.8	25	
2-Butanone (MEK)	ug/m3	6.6	6.8	2	25	
2-Hexanone	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	179	178	1	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	613	616	.5	25	E
Benzene	ug/m3	1.8	1.9	7	25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	8.5	8.1	4	25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.3	2.4	5	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	12.4	12.4	.6	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	42.0	41.4	1	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	38.0	37.9	.3	25	
n-Heptane	ug/m3	23.4	23.7	1	25	
n-Hexane	ug/m3	5.6	5.8	4	25	
o-Xylene	ug/m3	24.1	24.3	.7	25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	1.6	1.6	2	25	
Tetrachloroethene	ug/m3	8.2	7.2	13	25	
Tetrahydrofuran	ug/m3	13.7	ND		25	
Toluene	ug/m3	36.9	37.5	2	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

### QUALITY CONTROL DATA

Project: 6107 Shorewood  
Pace Project No.: 10156865

SAMPLE DUPLICATE: 981141

Parameter	Units	10157731004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND			25
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND			25
1,1,2-Trichloroethane	ug/m3	ND	ND			25
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND			25
1,1-Dichloroethane	ug/m3	ND	ND			25
1,1-Dichloroethene	ug/m3	ND	ND			25
1,2,4-Trichlorobenzene	ug/m3	ND	ND			25
1,2,4-Trimethylbenzene	ug/m3	4.5	4.1J	10		25
1,2-Dibromoethane (EDB)	ug/m3	ND	ND			25
1,2-Dichlorobenzene	ug/m3	ND	ND			25
1,2-Dichloroethane	ug/m3	ND	ND			25
1,2-Dichloropropane	ug/m3	ND	ND			25
1,3,5-Trimethylbenzene	ug/m3	ND	ND			25
1,3-Butadiene	ug/m3	ND	ND			25
1,3-Dichlorobenzene	ug/m3	ND	ND			25
1,4-Dichlorobenzene	ug/m3	ND	ND			25
2-Butanone (MEK)	ug/m3	19.8	19.0	4		25
2-Hexanone	ug/m3	3.3	3.1	7		25
4-Ethyltoluene	ug/m3	ND	ND			25
4-Methyl-2-pentanone (MIBK)	ug/m3	2.0	1.9	7		25
Acetone	ug/m3	54.2	ND			25
Benzene	ug/m3	22.2	21.3	4		25
Bromodichloromethane	ug/m3	ND	ND			25
Bromoform	ug/m3	ND	ND			25
Bromomethane	ug/m3	ND	ND			25
Carbon disulfide	ug/m3	5.1	4.8	5		25
Carbon tetrachloride	ug/m3	ND	ND			25
Chlorobenzene	ug/m3	ND	ND			25
Chloroethane	ug/m3	ND	ND			25
Chloroform	ug/m3	ND	ND			25
Chloromethane	ug/m3	ND	ND			25
cis-1,2-Dichloroethene	ug/m3	ND	ND			25
cis-1,3-Dichloropropene	ug/m3	ND	ND			25
Cyclohexane	ug/m3	ND	ND			25
Dibromochloromethane	ug/m3	ND	ND			25
Dichlorodifluoromethane	ug/m3	2.2	2.3	3		25
Dichlorotetrafluoroethane	ug/m3	ND	ND			25
Ethyl acetate	ug/m3	ND	ND			25
Ethylbenzene	ug/m3	3.6	3.3	8		25
Hexachloro-1,3-butadiene	ug/m3	ND	ND			25
m&p-Xylene	ug/m3	6.8	6.3	7		25
Methyl-tert-butyl ether	ug/m3	ND	ND			25
Methylene Chloride	ug/m3	ND	ND			25
n-Heptane	ug/m3	9.2	8.9	3		25
n-Hexane	ug/m3	12.2	11.4	7		25
o-Xylene	ug/m3	2.2	2.1	7		25
Propylene	ug/m3	116	111	4		25 E
Styrene	ug/m3	3.9	3.5	10		25

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### REPORT OF LABORATORY ANALYSIS

Page 15 of 18

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**QUALITY CONTROL DATA**

Project: 6107 Shorewood  
Pace Project No.: 10156865

SAMPLE DUPLICATE: 981141

Parameter	Units	10157731004 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/m3	14.7	14.0	4	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	30.0	28.8	4	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	



## QUALIFIERS

Project: 6107 Shorewood  
Pace Project No.: 10156865

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

### SAMPLE QUALIFIERS

Sample: 10156865001

[1] This result is reported from a serial dilution

Sample: 10156865003

[1] This result is reported from a serial dilution

### ANALYTE QUALIFIERS

1M analyte was evaluated to /12 the reporting limit with no detections

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 6107 Shorewood  
Pace Project No.: 10156865

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10156865001	6107-SSV-PEG-1	TO-15	AIR/12338		
10156865002	6107-SSV-PEG-2	TO-15	AIR/12338		
10156865003	6107-SSV-PEG-3	TO-15	AIR/12338		



# AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10156865

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>03169</b>		Page: 1 of 1	
Company: <u>Enviro Forensics</u>		Report To:		Attention:		Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input checked="" type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other			
Address: <u>602 N. Capitol Ave. Sk 210</u>		Copy To:		Company Name:					
<u>Indpls, IN 46204</u>		Purchase Order No.:		Address:		Location of Sampling by State <u>WI</u> Reporting Units ug/m <sup>3</sup> <input checked="" type="checkbox"/> mg/m <sup>3</sup> <input type="checkbox"/> PPBV <input type="checkbox"/> PPMV <input type="checkbox"/> Other <input type="checkbox"/>			
Email To: <u>HREGUPATHY@enviroforensics.com</u>		Project Name: <u>Shawwood</u>		Pace Quote Reference:					
Phone: <u>(317) 972-7870</u> Fax:		Project Number: <u>6107</u>		Pace Project Manager/Sales Rep: <u>CAROLINE TRANTZ / LAURIE WOLFEL</u>		Report Level II <input type="checkbox"/> III <input type="checkbox"/> IV <input checked="" type="checkbox"/> Other <input type="checkbox"/>			
Requested Due Date/TAT:				Pace Profile #:					

ITEM #	'Section D Required Client Information <b>AIR SAMPLE ID</b> Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10 3C - Fixed Gas (%) TO-3 TO-3M (Methane) TO-4 (PCBs) TO-12 (PAH) TO-14 TO-15 TO-15 Short List*	Pace Lab ID	
					COMPOSITE START		COMPOSITE -								
					DATE	TIME	DATE	TIME							
1	6107-SSV-PEG-1		1LC		5/6/11	1225			30	41	2015	0031		X	10156865001
2	6107-SSV-PEG-2		1LC		5/6/11	1125			29	41	1794	0388		X	002
3	6107-SSV-PEG-3		1LC		5/6/11	05			30	41	1137	0062		X	003
4															
5															
6															
7															
8															
9															
10															
11															
12															

Comments :	RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
			5/6/11	1400			5/6/11	1400				
			5/6/11	1700			5/10/11	08:56 AM				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: <u>George Stum</u>					
SIGNATURE of SAMPLER: <u>George Stum</u>					
DATE Signed (MM/DD/YY) <u>05/06/11</u>					

ORIGINAL

19 of 20

**AIR Sample Condition Upon Receipt**

*Pace Analytical*

Client Name: ENVIROFORENSICS Project # 10156865

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other NATEO  
 Custody Seal on Cooler/Box Present:  yes  no    Seals intact:  yes  no  
 Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Optional
Proj. Due Date:
Proj. Name:

Tracking #: \_\_\_\_\_

Comments:

Date and Initials of person examining contents: 5-10-11 JK

Chain of Custody Present:  Yes  No  N/A  
 Chain of Custody Filled Out:  Yes  No  N/A  
 Chain of Custody Relinquished:  Yes  No  N/A  
 Sampler Name & Signature on COC:  Yes  No  N/A  
 Samples Arrived within Hold Time:  Yes  No  N/A  
 Short Hold Time Analysis (<72hr):  Yes  No  N/A  
 Rush Turn Around Time Requested:  Yes  No  N/A  
 Sufficient Volume:  Yes  No  N/A  
 Correct Containers Used:  Yes  No  N/A  
 -Pace Containers Used:  Yes  No  N/A  
 Containers Intact:  Yes  No  N/A  
 Media: ADR (CAN)  
 Sample Labels match COC:  Yes  No  N/A

1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_  
 6. \_\_\_\_\_  
 7. \_\_\_\_\_  
 8. \_\_\_\_\_  
 9. \_\_\_\_\_  
 10. \_\_\_\_\_  
 11. \_\_\_\_\_  
 12. \_\_\_\_\_

Samples Received: 4 CANS, 4 FC'S

Canisters		Flow Controllers		Stand Alone G		Tedlar Bags	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
<u>6107-SS1-PB-1</u>	<u>2015</u>		<u>FC0031</u>				
<u>2</u>	<u>1794</u>		<u>FC0388</u>				
<u>3</u>	<u>1137</u>		<u>FC0062</u>				
	<u>1799</u>		<u>FC0032</u>				

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Project Manager Review: CM Date: 5/11/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)  
 A106 Rev.01 (22May2009)

May 24, 2011

FID 241 094590

Mr. Hari Regupathy  
EnviroForensics  
602 N. Capitol  
Indianapolis, IN 46204

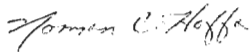
RE: Project: 6107.VI Shorewood  
Pace Project No.: 10156864

Dear Mr. Regupathy:

Enclosed are the analytical results for sample(s) received by the laboratory on May 10, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Norman C. Hoffa for  
Carolynne Trout  
carolynne.trout@pacelabs.com  
Project Manager

Enclosures

**REPORT OF LABORATORY ANALYSIS**

Page 1 of 19

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## CERTIFICATIONS

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

### Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN\_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

## REPORT OF LABORATORY ANALYSIS

Page 2 of 19

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### SAMPLE SUMMARY

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10156864001	6107-SSV-1808-1	Air	05/06/11 08:05	05/10/11 08:56
10156864002	6107-SSV-1808-2	Air	05/06/11 08:45	05/10/11 08:56

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10156864001	6107-SSV-1808-1	TO-15	CJR	57
10156864002	6107-SSV-1808-2	TO-15	DR1	57

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

Sample: 6107-SSV-1808-1 Lab ID: 10156864001 Collected: 05/06/11 08:05 Received: 05/10/11 08:56 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
Acetone	104	ug/m3	2.7	5.64		05/23/11 20:43	67-64-1	
Benzene	ND	ug/m3	3.7	5.64		05/23/11 20:43	71-43-2	
Bromodichloromethane	ND	ug/m3	7.9	5.64		05/23/11 20:43	75-27-4	
Bromoform	ND	ug/m3	11.8	5.64		05/23/11 20:43	75-25-2	
Bromomethane	ND	ug/m3	4.5	5.64		05/23/11 20:43	74-83-9	
1,3-Butadiene	ND	ug/m3	2.5	5.64		05/23/11 20:43	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.4	5.64		05/23/11 20:43	78-93-3	
Carbon disulfide	ND	ug/m3	3.6	5.64		05/23/11 20:43	75-15-0	
Carbon tetrachloride	ND	ug/m3	7.3	5.64		05/23/11 20:43	56-23-5	
Chlorobenzene	ND	ug/m3	5.3	5.64		05/23/11 20:43	108-90-7	
Chloroethane	ND	ug/m3	3.0	5.64		05/23/11 20:43	75-00-3	
Chloroform	ND	ug/m3	5.6	5.64		05/23/11 20:43	67-66-3	
Chloromethane	ND	ug/m3	2.4	5.64		05/23/11 20:43	74-87-3	
Cyclohexane	ND	ug/m3	3.8	5.64		05/23/11 20:43	110-82-7	
Dibromochloromethane	ND	ug/m3	9.6	5.64		05/23/11 20:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	9.0	5.64		05/23/11 20:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	6.8	5.64		05/23/11 20:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	6.8	5.64		05/23/11 20:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	6.8	5.64		05/23/11 20:43	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	5.6	5.64		05/23/11 20:43	75-71-8	
1,1-Dichloroethane	ND	ug/m3	4.6	5.64		05/23/11 20:43	75-34-3	
1,2-Dichloroethane	ND	ug/m3	4.6	5.64		05/23/11 20:43	107-06-2	
1,1-Dichloroethene	ND	ug/m3	4.6	5.64		05/23/11 20:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	4.6	5.64		05/23/11 20:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	4.6	5.64		05/23/11 20:43	156-60-5	
1,2-Dichloropropane	ND	ug/m3	5.3	5.64		05/23/11 20:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	5.2	5.64		05/23/11 20:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	5.2	5.64		05/23/11 20:43	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	7.9	5.64		05/23/11 20:43	76-14-2	
Ethyl acetate	ND	ug/m3	4.1	5.64		05/23/11 20:43	141-78-6	
Ethylbenzene	ND	ug/m3	5.0	5.64		05/23/11 20:43	100-41-4	
4-Ethyltoluene	ND	ug/m3	14.1	5.64		05/23/11 20:43	622-96-8	
n-Heptane	ND	ug/m3	4.7	5.64		05/23/11 20:43	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	12.4	5.64		05/23/11 20:43	87-68-3	
n-Hexane	16.2	ug/m3	4.1	5.64		05/23/11 20:43	110-54-3	
2-Hexanone	ND	ug/m3	4.7	5.64		05/23/11 20:43	591-78-6	
Methylene Chloride	81.8	ug/m3	4.0	5.64		05/23/11 20:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.7	5.64		05/23/11 20:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	4.1	5.64		05/23/11 20:43	1634-04-4	
Propylene	ND	ug/m3	2.0	5.64		05/23/11 20:43	115-07-1	
Styrene	ND	ug/m3	4.9	5.64		05/23/11 20:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	7.9	5.64		05/23/11 20:43	79-34-5	
Tetrachloroethene	13.2	ug/m3	7.9	5.64		05/23/11 20:43	127-18-4	
Tetrahydrofuran	ND	ug/m3	3.4	5.64		05/23/11 20:43	109-99-9	
Toluene	35.8	ug/m3	4.3	5.64		05/23/11 20:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.6	5.64		05/23/11 20:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	6.2	5.64		05/23/11 20:43	71-55-6	

Date: 05/24/2011 02:09 PM

### REPORT OF LABORATORY ANALYSIS

Page 5 of 19

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**ANALYTICAL RESULTS**

Project: 6107.VI Shorewood

Pace Project No.: 10156864

Sample: 6107-SSV-1808-1 Lab ID: 10156864001 Collected: 05/06/11 08:05 Received: 05/10/11 08:56 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	6.2	5.64		05/23/11 20:43	79-00-5	
Trichloroethene	22.9	ug/m3	3.1	5.64		05/23/11 20:43	79-01-6	
Trichlorofluoromethane	ND	ug/m3	6.2	5.64		05/23/11 20:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	9.0	5.64		05/23/11 20:43	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	14.1	5.64		05/23/11 20:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	14.1	5.64		05/23/11 20:43	108-67-8	
Vinyl acetate	ND	ug/m3	4.0	5.64		05/23/11 20:43	108-05-4	
Vinyl chloride	ND	ug/m3	2.9	5.64		05/23/11 20:43	75-01-4	
m&p-Xylene	ND	ug/m3	9.9	5.64		05/23/11 20:43	179601-23-1	
o-Xylene	ND	ug/m3	5.0	5.64		05/23/11 20:43	95-47-6	

### ANALYTICAL RESULTS

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

Sample: 6107-SSV-1808-2 Lab ID: 10156864002 Collected: 05/06/11 08:45 Received: 05/10/11 08:56 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
Acetone	767	ug/m3	13.5	28.22		05/20/11 17:19	67-64-1	
Benzene	ND	ug/m3	18.3	28.22		05/20/11 17:19	71-43-2	
Bromodichloromethane	ND	ug/m3	39.5	28.22		05/20/11 17:19	75-27-4	
Bromoform	ND	ug/m3	59.3	28.22		05/20/11 17:19	75-25-2	
Bromomethane	ND	ug/m3	22.3	28.22		05/20/11 17:19	74-83-9	
1,3-Butadiene	ND	ug/m3	12.7	28.22		05/20/11 17:19	106-99-0	
2-Butanone (MEK)	ND	ug/m3	16.9	28.22		05/20/11 17:19	78-93-3	
Carbon disulfide	ND	ug/m3	17.8	28.22		05/20/11 17:19	75-15-0	
Carbon tetrachloride	ND	ug/m3	36.7	28.22		05/20/11 17:19	56-23-5	
Chlorobenzene	ND	ug/m3	26.5	28.22		05/20/11 17:19	108-90-7	
Chloroethane	ND	ug/m3	15.2	28.22		05/20/11 17:19	75-00-3	
Chloroform	ND	ug/m3	27.9	28.22		05/20/11 17:19	67-66-3	
Chloromethane	ND	ug/m3	11.9	28.22		05/20/11 17:19	74-87-3	
Cyclohexane	ND	ug/m3	19.2	28.22		05/20/11 17:19	110-82-7	
Dibromochloromethane	ND	ug/m3	48.0	28.22		05/20/11 17:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	45.2	28.22		05/20/11 17:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	33.9	28.22		05/20/11 17:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	33.9	28.22		05/20/11 17:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	33.9	28.22		05/20/11 17:19	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	28.2	28.22		05/20/11 17:19	75-71-8	D3
1,1-Dichloroethane	ND	ug/m3	23.1	28.22		05/20/11 17:19	75-34-3	
1,2-Dichloroethane	ND	ug/m3	23.1	28.22		05/20/11 17:19	107-06-2	
1,1-Dichloroethene	ND	ug/m3	22.9	28.22		05/20/11 17:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	22.9	28.22		05/20/11 17:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	22.9	28.22		05/20/11 17:19	156-60-5	
1,2-Dichloropropane	ND	ug/m3	26.5	28.22		05/20/11 17:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	26.0	28.22		05/20/11 17:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	26.0	28.22		05/20/11 17:19	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	39.5	28.22		05/20/11 17:19	76-14-2	
Ethyl acetate	ND	ug/m3	20.6	28.22		05/20/11 17:19	141-78-6	
Ethylbenzene	ND	ug/m3	24.8	28.22		05/20/11 17:19	100-41-4	
4-Ethyltoluene	ND	ug/m3	70.6	28.22		05/20/11 17:19	622-96-8	
n-Heptane	ND	ug/m3	23.4	28.22		05/20/11 17:19	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	62.1	28.22		05/20/11 17:19	87-68-3	
n-Hexane	50.6	ug/m3	20.3	28.22		05/20/11 17:19	110-54-3	
2-Hexanone	ND	ug/m3	23.4	28.22		05/20/11 17:19	591-78-6	
Methylene Chloride	453	ug/m3	20.0	28.22		05/20/11 17:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	23.4	28.22		05/20/11 17:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	20.6	28.22		05/20/11 17:19	1634-04-4	
Propylene	ND	ug/m3	9.9	28.22		05/20/11 17:19	115-07-1	
Styrene	ND	ug/m3	24.6	28.22		05/20/11 17:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	39.5	28.22		05/20/11 17:19	79-34-5	
Tetrachloroethene	ND	ug/m3	39.5	28.22		05/20/11 17:19	127-18-4	
Tetrahydrofuran	ND	ug/m3	16.9	28.22		05/20/11 17:19	109-99-9	
Toluene	36.5	ug/m3	21.7	28.22		05/20/11 17:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	27.9	28.22		05/20/11 17:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	31.0	28.22		05/20/11 17:19	71-55-6	

Date: 05/24/2011 02:09 PM

### REPORT OF LABORATORY ANALYSIS

Page 7 of 19

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### ANALYTICAL RESULTS

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

Sample: 6107-SSV-1808-2		Lab ID: 10156864002	Collected: 05/06/11 08:45	Received: 05/10/11 08:56	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR</b>		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	31.0	28.22		05/20/11 17:19	79-00-5	
Trichloroethene	ND	ug/m3	15.5	28.22		05/20/11 17:19	79-01-6	
Trichlorofluoromethane	ND	ug/m3	31.0	28.22		05/20/11 17:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	45.2	28.22		05/20/11 17:19	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	70.6	28.22		05/20/11 17:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	70.6	28.22		05/20/11 17:19	108-67-8	
Vinyl acetate	ND	ug/m3	20.0	28.22		05/20/11 17:19	108-05-4	
Vinyl chloride	ND	ug/m3	14.7	28.22		05/20/11 17:19	75-01-4	
m&p-Xylene	ND	ug/m3	49.7	28.22		05/20/11 17:19	179601-23-1	
o-Xylene	ND	ug/m3	24.8	28.22		05/20/11 17:19	95-47-6	

### QUALITY CONTROL DATA

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

QC Batch: AIR/12338      Analysis Method: TO-15  
QC Batch Method: TO-15      Analysis Description: TO15 MSV AIR Low Level  
Associated Lab Samples: 10156864002

METHOD BLANK: 980227      Matrix: Air  
Associated Lab Samples: 10156864002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	05/20/11 14:49	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	05/20/11 14:49	
1,1,2-Trichloroethane	ug/m3	ND	1.1	05/20/11 14:49	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	05/20/11 14:49	
1,1-Dichloroethane	ug/m3	ND	0.82	05/20/11 14:49	
1,1-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	05/20/11 14:49	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	05/20/11 14:49	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	05/20/11 14:49	
1,2-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
1,2-Dichloroethane	ug/m3	ND	0.82	05/20/11 14:49	
1,2-Dichloropropane	ug/m3	ND	0.94	05/20/11 14:49	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	05/20/11 14:49	
1,3-Butadiene	ug/m3	ND	0.45	05/20/11 14:49	
1,3-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
1,4-Dichlorobenzene	ug/m3	ND	1.2	05/20/11 14:49	
2-Butanone (MEK)	ug/m3	ND	0.60	05/20/11 14:49	
2-Hexanone	ug/m3	ND	0.83	05/20/11 14:49	
4-Ethyltoluene	ug/m3	ND	2.5	05/20/11 14:49	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	05/20/11 14:49	
Acetone	ug/m3	ND	0.48	05/20/11 14:49	
Benzene	ug/m3	ND	0.65	05/20/11 14:49	
Bromodichloromethane	ug/m3	ND	1.4	05/20/11 14:49	
Bromoform	ug/m3	ND	2.1	05/20/11 14:49	
Bromomethane	ug/m3	ND	0.79	05/20/11 14:49	
Carbon disulfide	ug/m3	ND	0.63	05/20/11 14:49	
Carbon tetrachloride	ug/m3	ND	1.3	05/20/11 14:49	
Chlorobenzene	ug/m3	ND	0.94	05/20/11 14:49	
Chloroethane	ug/m3	ND	0.54	05/20/11 14:49	
Chloroform	ug/m3	ND	0.99	05/20/11 14:49	
Chloromethane	ug/m3	ND	0.42	05/20/11 14:49	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	05/20/11 14:49	
Cyclohexane	ug/m3	ND	0.68	05/20/11 14:49	
Dibromochloromethane	ug/m3	ND	1.7	05/20/11 14:49	
Dichlorodifluoromethane	ug/m3	ND	1.0	05/20/11 14:49	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	05/20/11 14:49	
Ethyl acetate	ug/m3	ND	0.73	05/20/11 14:49	
Ethylbenzene	ug/m3	ND	0.88	05/20/11 14:49	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	05/20/11 14:49	
m&p-Xylene	ug/m3	ND	1.8	05/20/11 14:49	
Methyl-tert-butyl ether	ug/m3	ND	0.73	05/20/11 14:49	
Methylene Chloride	ug/m3	ND	0.71	05/20/11 14:49	

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### REPORT OF LABORATORY ANALYSIS

Page 9 of 19

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### QUALITY CONTROL DATA

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

METHOD BLANK: 980227 Matrix: Air  
Associated Lab Samples: 10156864002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Heptane	ug/m3	ND	0.83	05/20/11 14:49	
n-Hexane	ug/m3	ND	0.72	05/20/11 14:49	
o-Xylene	ug/m3	ND	0.88	05/20/11 14:49	
Propylene	ug/m3	ND	0.35	05/20/11 14:49	
Styrene	ug/m3	ND	0.87	05/20/11 14:49	
Tetrachloroethene	ug/m3	ND	1.4	05/20/11 14:49	
Tetrahydrofuran	ug/m3	ND	0.60	05/20/11 14:49	
Toluene	ug/m3	ND	0.77	05/20/11 14:49	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	05/20/11 14:49	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	05/20/11 14:49	
Trichloroethene	ug/m3	ND	0.55	05/20/11 14:49	
Trichlorofluoromethane	ug/m3	ND	1.1	05/20/11 14:49	
Vinyl acetate	ug/m3	ND	0.71	05/20/11 14:49	
Vinyl chloride	ug/m3	ND	0.52	05/20/11 14:49	

LABORATORY CONTROL SAMPLE: 980228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	57.4	103	66-133	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	73.6	105	70-140	
1,1,2-Trichloroethane	ug/m3	55.5	56.2	101	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	79.6	102	60-137	
1,1-Dichloroethane	ug/m3	41.2	38.4	93	65-131	
1,1-Dichloroethene	ug/m3	40.3	40.4	100	65-132	
1,2,4-Trichlorobenzene	ug/m3	75.5	70.5	93	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	54.3	109	69-140	
1,2-Dibromoethane (EDB)	ug/m3	78.1	82.7	106	71-139	
1,2-Dichlorobenzene	ug/m3	61.2	54.8	90	68-139	
1,2-Dichloroethane	ug/m3	41.2	42.5	103	66-132	
1,2-Dichloropropane	ug/m3	47	49.7	106	69-130	
1,3,5-Trimethylbenzene	ug/m3	50	54.0	108	70-141	
1,3-Butadiene	ug/m3	22.5	23.7	105	68-128	
1,3-Dichlorobenzene	ug/m3	61.2	62.4	102	66-146	
1,4-Dichlorobenzene	ug/m3	61.2	61.9	101	66-142	
2-Butanone (MEK)	ug/m3	30	31.3	104	68-134	
2-Hexanone	ug/m3	41.7	44.0	106	70-144	
4-Ethyltoluene	ug/m3	50	56.4	113	65-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	44.4	107	70-139	
Acetone	ug/m3	24.2	19.0	79	56-142	
Benzene	ug/m3	32.5	35.7	110	69-129	
Bromodichloromethane	ug/m3	68.2	71.0	104	70-130	
Bromoform	ug/m3	105	109	104	67-147	
Bromomethane	ug/m3	39.5	31.6	80	67-127	
Carbon disulfide	ug/m3	31.7	29.8	94	65-131	
Carbon tetrachloride	ug/m3	64	62.8	98	62-137	

Date: 05/24/2011 02:09 PM

### REPORT OF LABORATORY ANALYSIS

Page 10 of 19

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**QUALITY CONTROL DATA**

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

LABORATORY CONTROL SAMPLE: 980228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/m3	46.8	49.2	105	72-133	
Chloroethane	ug/m3	26.8	27.6	103	66-127	
Chloroform	ug/m3	49.7	53.5	108	67-130	
Chloromethane	ug/m3	21	21.3	102	63-127	
cis-1,2-Dichloroethene	ug/m3	40.3	42.2	105	69-130	
cis-1,3-Dichloropropene	ug/m3	46.2	48.4	105	74-137	
Cyclohexane	ug/m3	35	37.3	106	69-137	
Dibromochloromethane	ug/m3	86.6	89.9	104	69-140	
Dichlorodifluoromethane	ug/m3	50.3	50.5	100	62-131	
Dichlorotetrafluoroethane	ug/m3	71.1	73.8	104	63-130	
Ethyl acetate	ug/m3	36.6	39.5	108	70-135	
Ethylbenzene	ug/m3	44.2	45.6	103	71-141	
Hexachloro-1,3-butadiene	ug/m3	108	128	118	30-150	SS
m&p-Xylene	ug/m3	88.3	89.5	101	68-144	
Methyl-tert-butyl ether	ug/m3	36.7	37.3	102	54-136	
Methylene Chloride	ug/m3	35.3	35.8	101	56-143	
n-Heptane	ug/m3	41.7	44.7	107	72-130	
n-Hexane	ug/m3	35.8	38.0	106	68-130	
o-Xylene	ug/m3	44.2	46.6	106	70-141	
Propylene	ug/m3	17.5	18.9	108	61-139	
Styrene	ug/m3	43.3	44.5	103	68-145	
Tetrachloroethene	ug/m3	69	73.4	106	64-142	
Tetrahydrofuran	ug/m3	30	32.0	107	70-134	SS
Toluene	ug/m3	38.3	40.9	107	69-133	
trans-1,2-Dichloroethene	ug/m3	40.3	38.0	94	64-132	
trans-1,3-Dichloropropene	ug/m3	46.2	46.6	101	71-140	
Trichloroethene	ug/m3	54.6	57.2	105	68-132	
Trichlorofluoromethane	ug/m3	57.1	54.8	96	59-136	
Vinyl acetate	ug/m3	35.8	34.1	95	70-142	
Vinyl chloride	ug/m3	26	27.0	104	64-129	

SAMPLE DUPLICATE: 981140

Parameter	Units	10157654001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND			25
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND			25
1,1,2-Trichloroethane	ug/m3	ND	ND			25
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND			25
1,1-Dichloroethane	ug/m3	ND	ND			25
1,1-Dichloroethene	ug/m3	ND	ND			25
1,2,4-Trichlorobenzene	ug/m3	ND	ND			25
1,2,4-Trimethylbenzene	ug/m3	237	235	.8		25 E
1,2-Dibromoethane (EDB)	ug/m3	ND	ND			25
1,2-Dichlorobenzene	ug/m3	ND	ND			25
1,2-Dichloroethane	ug/m3	ND	ND			25
1,2-Dichloropropane	ug/m3	ND	ND			25
1,3,5-Trimethylbenzene	ug/m3	114	110	3		25

Date: 05/24/2011 02:09 PM

**REPORT OF LABORATORY ANALYSIS**

Page 11 of 19

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**QUALITY CONTROL DATA**

Project: 6107.VI Shorewood

Pace Project No.: 10156864

SAMPLE DUPLICATE: 981140

Parameter	Units	10157654001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	131	130	.8	25	
2-Butanone (MEK)	ug/m3	6.6	6.8	2	25	
2-Hexanone	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	179	178	1	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	613	616	.5	25	E
Benzene	ug/m3	1.8	1.9	7	25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	8.5	8.1	4	25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.3	2.4	5	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	12.4	12.4	.6	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	42.0	41.4	1	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	38.0	37.9	.3	25	
n-Heptane	ug/m3	23.4	23.7	1	25	
n-Hexane	ug/m3	5.6	5.8	4	25	
o-Xylene	ug/m3	24.1	24.3	.7	25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	1.6	1.6	2	25	
Tetrachloroethene	ug/m3	8.2	7.2	13	25	
Tetrahydrofuran	ug/m3	13.7	ND		25	
Toluene	ug/m3	36.9	37.5	2	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	



### QUALITY CONTROL DATA

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

SAMPLE DUPLICATE: 981141

Parameter	Units	10157731004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND			25
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND			25
1,1,2-Trichloroethane	ug/m3	ND	ND			25
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND			25
1,1-Dichloroethane	ug/m3	ND	ND			25
1,1-Dichloroethene	ug/m3	ND	ND			25
1,2,4-Trichlorobenzene	ug/m3	ND	ND			25
1,2,4-Trimethylbenzene	ug/m3	4.5	4.1J	10		25
1,2-Dibromoethane (EDB)	ug/m3	ND	ND			25
1,2-Dichlorobenzene	ug/m3	ND	ND			25
1,2-Dichloroethane	ug/m3	ND	ND			25
1,2-Dichloropropane	ug/m3	ND	ND			25
1,3,5-Trimethylbenzene	ug/m3	ND	ND			25
1,3-Butadiene	ug/m3	ND	ND			25
1,3-Dichlorobenzene	ug/m3	ND	ND			25
1,4-Dichlorobenzene	ug/m3	ND	ND			25
2-Butanone (MEK)	ug/m3	19.8	19.0	4		25
2-Hexanone	ug/m3	3.3	3.1	7		25
4-Ethyltoluene	ug/m3	ND	ND			25
4-Methyl-2-pentanone (MIBK)	ug/m3	2.0	1.9	7		25
Acetone	ug/m3	54.2	ND			25
Benzene	ug/m3	22.2	21.3	4		25
Bromodichloromethane	ug/m3	ND	ND			25
Bromofom	ug/m3	ND	ND			25
Bromomethane	ug/m3	ND	ND			25
Carbon disulfide	ug/m3	5.1	4.8	5		25
Carbon tetrachloride	ug/m3	ND	ND			25
Chlorobenzene	ug/m3	ND	ND			25
Chloroethane	ug/m3	ND	ND			25
Chloroform	ug/m3	ND	ND			25
Chloromethane	ug/m3	ND	ND			25
cis-1,2-Dichloroethene	ug/m3	ND	ND			25
cis-1,3-Dichloropropene	ug/m3	ND	ND			25
Cyclohexane	ug/m3	ND	ND			25
Dibromochloromethane	ug/m3	ND	ND			25
Dichlorodifluoromethane	ug/m3	2.2	2.3	3		25
Dichlorotetrafluoroethane	ug/m3	ND	ND			25
Ethyl acetate	ug/m3	ND	ND			25
Ethylbenzene	ug/m3	3.6	3.3	8		25
Hexachloro-1,3-butadiene	ug/m3	ND	ND			25
m&p-Xylene	ug/m3	6.8	6.3	7		25
Methyl-tert-butyl ether	ug/m3	ND	ND			25
Methylene Chloride	ug/m3	ND	ND			25
n-Heptane	ug/m3	9.2	8.9	3		25
n-Hexane	ug/m3	12.2	11.4	7		25
o-Xylene	ug/m3	2.2	2.1	7		25
Propylene	ug/m3	116	111	4		25 E
Styrene	ug/m3	3.9	3.5	10		25

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### REPORT OF LABORATORY ANALYSIS

Page 13 of 19

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**QUALITY CONTROL DATA**

Project: 6107.VI Shorewood

Pace Project No.: 10156864

SAMPLE DUPLICATE: 981141

Parameter	Units	10157731004 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/m3	14.7	14.0	4	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	30.0	28.8	4	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

### QUALITY CONTROL DATA

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

QC Batch: AIR/12342      Analysis Method: TO-15  
QC Batch Method: TO-15      Analysis Description: TO15 MSV AIR Low Level  
Associated Lab Samples: 10156864001

METHOD BLANK: 981223      Matrix: Air  
Associated Lab Samples: 10156864001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	05/23/11 11:11	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	05/23/11 11:11	
1,1,2-Trichloroethane	ug/m3	ND	1.1	05/23/11 11:11	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	05/23/11 11:11	
1,1-Dichloroethane	ug/m3	ND	0.82	05/23/11 11:11	
1,1-Dichloroethene	ug/m3	ND	0.81	05/23/11 11:11	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	05/23/11 11:11	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	05/23/11 11:11	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	05/23/11 11:11	
1,2-Dichlorobenzene	ug/m3	ND	1.2	05/23/11 11:11	
1,2-Dichloroethane	ug/m3	ND	0.82	05/23/11 11:11	
1,2-Dichloropropane	ug/m3	ND	0.94	05/23/11 11:11	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	05/23/11 11:11	
1,3-Butadiene	ug/m3	ND	0.45	05/23/11 11:11	
1,3-Dichlorobenzene	ug/m3	ND	1.2	05/23/11 11:11	
1,4-Dichlorobenzene	ug/m3	ND	1.2	05/23/11 11:11	
2-Butanone (MEK)	ug/m3	ND	0.60	05/23/11 11:11	
2-Hexanone	ug/m3	ND	0.83	05/23/11 11:11	
4-Ethyltoluene	ug/m3	ND	2.5	05/23/11 11:11	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	05/23/11 11:11	
Acetone	ug/m3	ND	0.48	05/23/11 11:11	
Benzene	ug/m3	ND	0.65	05/23/11 11:11	
Bromodichloromethane	ug/m3	ND	1.4	05/23/11 11:11	
Bromoform	ug/m3	ND	2.1	05/23/11 11:11	
Bromomethane	ug/m3	ND	0.79	05/23/11 11:11	
Carbon disulfide	ug/m3	ND	0.63	05/23/11 11:11	
Carbon tetrachloride	ug/m3	ND	1.3	05/23/11 11:11	
Chlorobenzene	ug/m3	ND	0.94	05/23/11 11:11	
Chloroethane	ug/m3	ND	0.54	05/23/11 11:11	
Chloroform	ug/m3	ND	0.99	05/23/11 11:11	
Chloromethane	ug/m3	ND	0.42	05/23/11 11:11	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	05/23/11 11:11	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	05/23/11 11:11	
Cyclohexane	ug/m3	ND	0.68	05/23/11 11:11	
Dibromochloromethane	ug/m3	ND	1.7	05/23/11 11:11	
Dichlorodifluoromethane	ug/m3	ND	1.0	05/23/11 11:11	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	05/23/11 11:11	
Ethyl acetate	ug/m3	ND	0.73	05/23/11 11:11	
Ethylbenzene	ug/m3	ND	0.88	05/23/11 11:11	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	05/23/11 11:11	
m&p-Xylene	ug/m3	ND	1.8	05/23/11 11:11	
Methyl-tert-butyl ether	ug/m3	ND	0.73	05/23/11 11:11	
Methylene Chloride	ug/m3	ND	0.71	05/23/11 11:11	

Date: 05/24/2011 02:09 PM

### REPORT OF LABORATORY ANALYSIS

Page 15 of 19

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### QUALITY CONTROL DATA

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

METHOD BLANK: 981223 Matrix: Air  
Associated Lab Samples: 10156864001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Heptane	ug/m3	ND	0.83	05/23/11 11:11	
n-Hexane	ug/m3	ND	0.72	05/23/11 11:11	
o-Xylene	ug/m3	ND	0.88	05/23/11 11:11	
Propylene	ug/m3	ND	0.35	05/23/11 11:11	
Styrene	ug/m3	ND	0.87	05/23/11 11:11	
Tetrachloroethene	ug/m3	ND	1.4	05/23/11 11:11	
Tetrahydrofuran	ug/m3	ND	0.60	05/23/11 11:11	
Toluene	ug/m3	ND	0.77	05/23/11 11:11	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	05/23/11 11:11	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	05/23/11 11:11	
Trichloroethene	ug/m3	ND	0.55	05/23/11 11:11	
Trichlorofluoromethane	ug/m3	ND	1.1	05/23/11 11:11	
Vinyl acetate	ug/m3	ND	0.71	05/23/11 11:11	
Vinyl chloride	ug/m3	ND	0.52	05/23/11 11:11	

LABORATORY CONTROL SAMPLE: 981224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	62.3	112	66-133	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	77.0	110	70-140	
1,1,2-Trichloroethane	ug/m3	55.5	62.8	113	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	87.3	112	60-137	
1,1-Dichloroethane	ug/m3	41.2	46.1	112	65-131	
1,1-Dichloroethene	ug/m3	40.3	44.7	111	65-132	
1,2,4-Trichlorobenzene	ug/m3	75.5	103	136	30-150	CH
1,2,4-Trimethylbenzene	ug/m3	50	54.2	108	69-140	
1,2-Dibromoethane (EDB)	ug/m3	78.1	85.5	109	71-139	
1,2-Dichlorobenzene	ug/m3	61.2	66.8	109	68-139	
1,2-Dichloroethane	ug/m3	41.2	45.2	110	66-132	
1,2-Dichloropropane	ug/m3	47	53.1	113	69-130	
1,3,5-Trimethylbenzene	ug/m3	50	53.6	107	70-141	
1,3-Butadiene	ug/m3	22.5	26.9	120	68-128	
1,3-Dichlorobenzene	ug/m3	61.2	67.8	111	66-146	
1,4-Dichlorobenzene	ug/m3	61.2	68.0	111	66-142	
2-Butanone (MEK)	ug/m3	30	32.8	109	68-134	
2-Hexanone	ug/m3	41.7	43.5	105	70-144	
4-Ethyltoluene	ug/m3	50	54.3	109	65-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	46.5	112	70-139	
Acetone	ug/m3	24.2	27.4	114	56-142	
Benzene	ug/m3	32.5	37.2	115	69-129	
Bromodichloromethane	ug/m3	68.2	75.3	111	70-130	
Bromoform	ug/m3	105	113	108	67-147	
Bromomethane	ug/m3	39.5	47.3	120	67-127	SS
Carbon disulfide	ug/m3	31.7	36.9	117	65-131	
Carbon tetrachloride	ug/m3	64	70.9	111	62-137	

Date: 05/24/2011 02:09 PM

### REPORT OF LABORATORY ANALYSIS

Page 16 of 19

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### QUALITY CONTROL DATA

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

LABORATORY CONTROL SAMPLE: 981224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/m3	46.8	50.7	108	72-133	
Chloroethane	ug/m3	26.8	31.8	119	66-127	SS
Chloroform	ug/m3	49.7	55.2	111	67-130	
Chloromethane	ug/m3	21	24.3	116	63-127	
cis-1,2-Dichloroethene	ug/m3	40.3	46.5	115	69-130	
cis-1,3-Dichloropropene	ug/m3	46.2	52.0	113	74-137	
Cyclohexane	ug/m3	35	39.5	113	69-137	
Dibromochloromethane	ug/m3	86.6	94.9	110	69-140	
Dichlorodifluoromethane	ug/m3	50.3	57.5	114	62-131	
Dichlorotetrafluoroethane	ug/m3	71.1	81.0	114	63-130	
Ethyl acetate	ug/m3	36.6	42.1	115	70-135	
Ethylbenzene	ug/m3	44.2	48.6	110	71-141	
Hexachloro-1,3-butadiene	ug/m3	108	181	167	30-150	CH,L3
m&p-Xylene	ug/m3	88.3	96.1	109	68-144	
Methyl-tert-butyl ether	ug/m3	36.7	43.0	117	54-136	
Methylene Chloride	ug/m3	35.3	39.3	111	56-143	
n-Heptane	ug/m3	41.7	48.2	116	72-130	
n-Hexane	ug/m3	35.8	41.4	116	68-130	
o-Xylene	ug/m3	44.2	48.1	109	70-141	
Propylene	ug/m3	17.5	20.9	119	61-139	
Styrene	ug/m3	43.3	48.6	112	68-145	
Tetrachloroethene	ug/m3	69	76.5	111	64-142	
Tetrahydrofuran	ug/m3	30	36.1	120	70-134	SS
Toluene	ug/m3	38.3	44.3	116	69-133	
trans-1,2-Dichloroethene	ug/m3	40.3	46.2	115	64-132	
trans-1,3-Dichloropropene	ug/m3	46.2	52.6	114	71-140	
Trichloroethene	ug/m3	54.6	63.3	116	68-132	
Trichlorofluoromethane	ug/m3	57.1	62.7	110	59-136	
Vinyl acetate	ug/m3	35.8	40.8	114	70-142	
Vinyl chloride	ug/m3	26	30.3	117	64-129	

## QUALIFIERS

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

### ANALYTE QUALIFIERS

- |    |   |
|----|---|
| CH | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.   |
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.  |
| E  | Analyte concentration exceeded the calibration range. The reported result is estimated.   |
| L3 | Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias. |
| SS | This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.              |

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6107.VI Shorewood  
Pace Project No.: 10156864

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10156864001	6107-SSV-1808-1	TO-15	AIR/12342		
10156864002	6107-SSV-1808-2	TO-15	AIR/12338		