



Ambient Air Sampling Report

Date: May 3, 2011

To: Brian Kelly, U.S. EPA

CC: Joseph DeGrazia, MDEQ; Paul Max, City of Detroit DHWP; Yousef S. Ahmed, DWSD; William Burbidge, DWSD; Raymond Scott, City of Detroit Environmental Affairs; Honor Sheard, MPC; Jim Ellerbe, MPC; Lisa Lautermilch, MPC

From: Joseph F. Marra

RE: March Ambient Air Sampling Report

Ambient air sampling per the Sewer Vapor Investigation Work Plan (revision 2; March 16, 2011) was conducted on April 13-14, 2011.

Per *Attachment 1 – Figure 3 Ambient Air Sample Locations* the four 'Monthly Community Air Sample Locations' were collected as described in the Work Plan. In addition, two background samples were collected from the two locations on Fort Street identified on the Figure as 'Monthly Background Air Sample Location'. Canisters were set-up at the specified location based on a predicted North-West wind.

Lab data for the air samples are contained in *Attachment 2 – Analytical Results*. Benzene concentrations are summarized as follows:

Location	Benzene (ppbv)
I-75	0.305
Patricia	0.37
Liebold	0.431
Liddesdale	0.286
Background East Fort	0.37
Background West Fort	0.431

Attachment 3 – Indoor/Ambient Air Sample Collection Log contains the field notes for the sampling. All flow controllers were checked in the afternoon on April 13, 2011 and appeared to be operating properly, no changes were required.

Attachment 4 – Detailed Weather April 13-14, 2011 contains weather conditions as acquired from the refinery's ambient air modeling software, Safer Systems. Wind direction was predicted for a West to North wind quadrant; however, winds shifted between the East and South quadrant April 13 21:00 until April 14 02:00. Periodically wind speeds exceeded the 3-7 mph target.

Attachments:

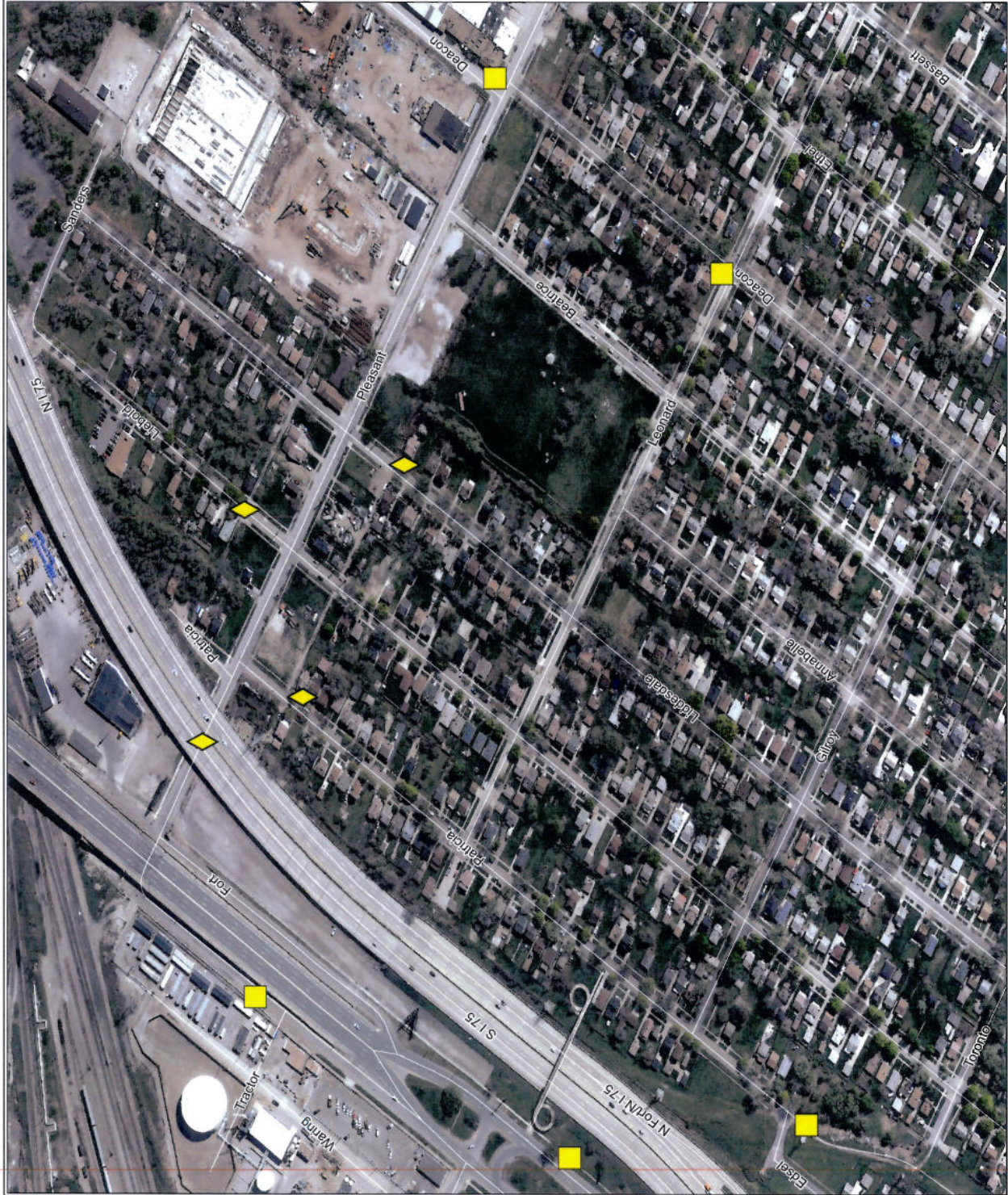
Attachment 1 – Figure 3 Ambient Air Sample Locations

Attachment 2 – Analytical Results

Attachment 3 – Indoor/Ambient Air Sample Collection Log

Attachment 4 – Detailed Weather April 13-14, 2011

Attachment 1 – Figure 3 Ambient Air Sample Locations



LEGEND:



MONTHLY COMMUNITY AIR SAMPLE LOCATION



MONTHLY BACKGROUND AIR SAMPLE LOCATION



MARATHON OIL COMPANY
1300 SOUTH FORT STREET, DETROIT, MICHIGAN
SEWER VAPOR INVESTIGATION WORK PLAN
AMBIENT AIR SAMPLE LOCATIONS

Attachment 2 – Analytical Results



Pace Analytical Services, Inc.
 1700 Elm Street – Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: Marathon Oil
 Phone: 419-421-2012

Lab Project Number: 10154603
 Project Name: Ambient Air (April)

Lab Sample No: 10154603001
 Client Sample ID: East Fort

ProjSampleNum: 10154603001
 Matrix: Air

Date Collected: 04/14/11 8:07
 Date Received: 04/15/11 9:45

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
1,1,1-Trichloroethane	ND	ppbv	0.31	1.59	04/26/11 16:47 CJR	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.16	1.59	04/26/11 16:47 CJR	79-34-5	
1,1,2-Trichloroethane	ND	ppbv	0.16	1.59	04/26/11 16:47 CJR	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	76-13-1	
1,1-Dichloroethane	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	75-34-3	
1,1-Dichlorobenzene	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	75-35-4	
1,2,4-Trichlorobenzene	ND	ppbv	0.21	1.59	04/26/11 16:47 CJR	120-82-1	
1,2,4-Trimethylbenzene	0.36	ppbv	0.32	1.59	04/26/11 16:47 CJR	95-63-6	
1,2-Dibromoethane (EDB)	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.31	1.59	04/26/11 16:47 CJR	95-50-1	
1,2-Dichloroethane	ND	ppbv	0.16	1.59	04/26/11 16:47 CJR	107-06-2	
1,2-Dichloropropane	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	78-87-5	
1,3,5-Trimethylbenzene	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	108-67-8	
1,3-Butadiene	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	106-99-0	
1,3-Dichlorobenzene	ND	ppbv	0.31	1.59	04/26/11 16:47 CJR	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.31	1.59	04/26/11 16:47 CJR	106-46-7	
2-Butanone (MEK)	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	78-93-3	
2-Hexanone	ND	ppbv	0.31	1.59	04/26/11 16:47 CJR	591-78-6	
2-Propanol	10.2	ppbv	1.6	1.59	04/26/11 16:47 CJR	67-63-0	
4-Ethyltoluene	ND	ppbv	0.8	1.59	04/26/11 16:47 CJR	622-96-8	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	0.31	1.59	04/26/11 16:47 CJR	108-10-1	
Acetone	11.2	ppbv	0.31	1.59	04/26/11 16:47 CJR	67-64-1	
Benzene	0.37	ppbv	0.16	1.59	04/26/11 16:47 CJR	71-43-2	
Benzyl chloride	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	100-44-7	
Bromodichloromethane	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	75-27-4	
Bromoform	ND	ppbv	0.31	1.59	04/26/11 16:47 CJR	75-25-2	
Bromomethane	ND	ppbv	0.33	1.59	04/26/11 16:47 CJR	74-83-9	
Carbon disulfide	3.25	ppbv	0.32	1.59	04/26/11 16:47 CJR	75-15-0	
Carbon tetrachloride	0.188	ppbv	0.16	1.59	04/26/11 16:47 CJR	56-23-5	
Chlorobenzene	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	108-90-7	
Chloroethane	ND	ppbv	0.32	1.59	04/26/11 16:47 CJR	75-00-3	

SUPPLEMENTAL REPORT

Date: 4/28/2011

Units Conversion Request

Page 1



Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: Marathon Oil
Phone: 419-421-2012

Lab Project Number: 10154603
Project Name: Ambient Air (April)

Chloroform	ND	ppbv	0.32	1.59	04/26/11 16:47	CJR	67-66-3	
Chloromethane	0.572	ppbv	0.32	1.59	04/26/11 16:47	CJR	74-87-3	
cis-1,2-Dichloroethene	ND	ppbv	0.32	1.59	04/26/11 16:47	CJR	156-59-2	
cis-1,3-Dichloropropene	ND	ppbv	0.33	1.59	04/26/11 16:47	CJR	10061-01-5	
Cyclohexane	0.572	ppbv	0.31	1.59	04/26/11 16:47	CJR	110-82-7	
Dibromochloromethane	ND	ppbv	0.31	1.59	04/26/11 16:47	CJR	124-48-1	
Dichlorodifluoromethane	0.656	ppbv	0.32	1.59	04/26/11 16:47	CJR	75-71-8	
Dichlorotetrafluoroethane	ND	ppbv	0.31	1.59	04/26/11 16:47	CJR	76-14-2	
Ethanol	7.62	ppbv	1.6	1.59	04/26/11 16:47	CJR	64-17-5	SS
Ethyl acetate	ND	ppbv	0.33	1.59	04/26/11 16:47	CJR	141-78-6	
Ethylbenzene	ND	ppbv	0.32	1.59	04/26/11 16:47	CJR	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.32	1.59	04/26/11 16:47	CJR	87-68-3	
m&p-Xylene	0.634	ppbv	0.63	1.59	04/26/11 16:47	CJR	179601-23-	
Methylene Chloride	263	ppbv	0.31	1.59	04/26/11 16:47	CJR	75-09-2	E
Methyl-tert-butyl ether	ND	ppbv	0.33	1.59	04/26/11 16:47	CJR	1634-04-4	
Naphthalene	ND	ppbv	0.81	1.59	04/26/11 16:47	CJR	91-20-3	
n-Heptane	ND	ppbv	0.31	1.59	04/26/11 16:47	CJR	142-82-5	
n-Hexane	13.3	ppbv	0.31	1.59	04/26/11 16:47	CJR	110-54-3	
o-Xylene	ND	ppbv	0.32	1.59	04/26/11 16:47	CJR	95-47-6	
Propylene	ND	ppbv	0.32	1.59	04/26/11 16:47	CJR	115-07-1	
Styrene	ND	ppbv	0.32	1.59	04/26/11 16:47	CJR	100-42-5	
Tetrachloroethene	ND	ppbv	0.16	1.59	04/26/11 16:47	CJR	127-18-4	
Tetrahydrofuran	ND	ppbv	0.32	1.59	04/26/11 16:47	CJR	109-99-9	
Toluene	1.12	ppbv	0.31	1.59	04/26/11 16:47	CJR	108-88-3	
trans-1,2-Dichloroethene	ND	ppbv	0.32	1.59	04/26/11 16:47	CJR	156-60-5	
trans-1,3-Dichloropropene	ND	ppbv	0.33	1.59	04/26/11 16:47	CJR	10061-02-6	
Trichloroethene	ND	ppbv	0.16	1.59	04/26/11 16:47	CJR	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.3	1.59	04/26/11 16:47	CJR	75-69-4	
Vinyl acetate	ND	ppbv	0.31	1.59	04/26/11 16:47	CJR	108-05-4	
Vinyl chloride	ND	ppbv	0.16	1.59	04/26/11 16:47	CJR	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT

Units Conversion Request



Pace Analytical Services, Inc.
 1700 Elm Street – Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
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ANALYTICAL RESULTS

Client: Marathon Oil
 Phone: 419-421-2012
 Lab Sample No: 10154603002
 Client Sample ID: I-75

Lab Project Number: 10154603
 Project Name: Ambient Air (April)
 ProjSampleNum: 10154603002
 Matrix: Air
 Date Collected: 04/14/11 8:11
 Date Received: 04/15/11 9:45

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
1,1,1-Trichloroethane	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.19	1.8	04/26/11 17:16 CJR	79-34-5	
1,1,2-Trichloroethane	ND	ppbv	0.18	1.8	04/26/11 17:16 CJR	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.37	1.8	04/26/11 17:16 CJR	76-13-1	
1,1-Dichloroethane	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	75-34-3	
1,1-Dichloroethene	ND	ppbv	0.37	1.8	04/26/11 17:16 CJR	75-35-4	
1,2,4-Trichlorobenzene	ND	ppbv	0.24	1.8	04/26/11 17:16 CJR	120-82-1	
1,2,4-Trimethylbenzene	0.36	ppbv	0.36	1.8	04/26/11 17:16 CJR	95-63-6	
1,2-Dibromoethane (EDB)	ND	ppbv	0.37	1.8	04/26/11 17:16 CJR	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	95-50-1	
1,2-Dichloroethane	ND	ppbv	0.18	1.8	04/26/11 17:16 CJR	107-06-2	
1,2-Dichloropropane	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	78-87-5	
1,3,5-Trimethylbenzene	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	108-67-8	
1,3-Butadiene	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	106-99-0	
1,3-Dichlorobenzene	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	106-46-7	
2-Butanone (MEK)	0.567	ppbv	0.37	1.8	04/26/11 17:16 CJR	78-93-3	
2-Hexanone	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	591-78-6	
2-Propanol	ND	ppbv	1.8	1.8	04/26/11 17:16 CJR	67-63-0	
4-Ethyltoluene	ND	ppbv	0.9	1.8	04/26/11 17:16 CJR	622-96-8	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	108-10-1	
Acetone	2.86	ppbv	0.36	1.8	04/26/11 17:16 CJR	67-64-1	
Benzene	0.305	ppbv	0.18	1.8	04/26/11 17:16 CJR	71-43-2	
Benzyl chloride	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	100-44-7	
Bromodichloromethane	ND	ppbv	0.37	1.8	04/26/11 17:16 CJR	75-27-4	
Bromoform	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	75-25-2	
Bromomethane	ND	ppbv	0.35	1.8	04/26/11 17:16 CJR	74-83-9	
Carbon disulfide	ND	ppbv	0.35	1.8	04/26/11 17:16 CJR	75-15-0	
Carbon tetrachloride	ND	ppbv	0.19	1.8	04/26/11 17:16 CJR	56-23-5	
Chlorobenzene	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	108-90-7	
Chloroethane	ND	ppbv	0.36	1.8	04/26/11 17:16 CJR	75-00-3	

SUPPLEMENTAL REPORT

Date: 4/28/2011

Units Conversion Request

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Pace Analytical Services, Inc.
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 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: Marathon Oil
 Phone: 419-421-2012

Lab Project Number: 10154603
 Project Name: Ambient Air (April)

Chloroform	ND	ppbv	0.36	1.8	04/26/11 17:16	CJR	67-66-3	
Chloromethane	0.476	ppbv	0.36	1.8	04/26/11 17:16	CJR	74-87-3	
cis-1,2-Dichloroethene	ND	ppbv	0.37	1.8	04/26/11 17:16	CJR	156-59-2	
cis-1,3-Dichloropropene	ND	ppbv	0.37	1.8	04/26/11 17:16	CJR	10061-01-5	
Cyclohexane	ND	ppbv	0.34	1.8	04/26/11 17:16	CJR	110-82-7	
Dibromochloromethane	ND	ppbv	0.36	1.8	04/26/11 17:16	CJR	124-48-1	
Dichlorodifluoromethane	ND	ppbv	0.36	1.8	04/26/11 17:16	CJR	75-71-8	
Dichlorotetrafluoroethane	ND	ppbv	0.35	1.8	04/26/11 17:16	CJR	76-14-2	
Ethanol	7.31	ppbv	1.8	1.8	04/26/11 17:16	CJR	64-17-5	SS
Ethyl acetate	ND	ppbv	0.35	1.8	04/26/11 17:16	CJR	141-78-6	
Ethylbenzene	ND	ppbv	0.36	1.8	04/26/11 17:16	CJR	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.37	1.8	04/26/11 17:16	CJR	87-68-3	
m&p-Xylene	ND	ppbv	0.72	1.8	04/26/11 17:16	CJR	179601-23-	
Methylene Chloride	1.36	ppbv	0.37	1.8	04/26/11 17:16	CJR	75-09-2	
Methyl-tert-butyl ether	ND	ppbv	0.35	1.8	04/26/11 17:16	CJR	1634-04-4	
Naphthalene	ND	ppbv	0.92	1.8	04/26/11 17:16	CJR	91-20-3	
n-Heptane	ND	ppbv	0.36	1.8	04/26/11 17:16	CJR	142-82-5	
n-Hexane	ND	ppbv	0.36	1.8	04/26/11 17:16	CJR	110-54-3	
o-Xylene	ND	ppbv	0.36	1.8	04/26/11 17:16	CJR	95-47-6	
Propylene	ND	ppbv	0.36	1.8	04/26/11 17:16	CJR	115-07-1	
Styrene	ND	ppbv	0.37	1.8	04/26/11 17:16	CJR	100-42-5	
Tetrachloroethene	1.36	ppbv	0.17	1.8	04/26/11 17:16	CJR	127-18-4	
Tetrahydrofuran	ND	ppbv	0.37	1.8	04/26/11 17:16	CJR	109-99-9	
Toluene	0.653	ppbv	0.37	1.8	04/26/11 17:16	CJR	108-88-3	
trans-1,2-Dichloroethene	ND	ppbv	0.37	1.8	04/26/11 17:16	CJR	156-60-5	
trans-1,3-Dichloropropene	ND	ppbv	0.37	1.8	04/26/11 17:16	CJR	10061-02-6	
Trichloroethene	0.439	ppbv	0.18	1.8	04/26/11 17:16	CJR	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.35	1.8	04/26/11 17:16	CJR	75-69-4	
Vinyl acetate	ND	ppbv	0.36	1.8	04/26/11 17:16	CJR	108-05-4	
Vinyl chloride	ND	ppbv	0.18	1.8	04/26/11 17:16	CJR	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT

Units Conversion Request



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Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: Marathon Oil
Phone: 419-421-2012

Lab Project Number: 10154603
Project Name: Ambient Air (April)

Lab Sample No: 10154603003
Client Sample ID: Patricia

ProjSampleNum: 10154603003
Matrix: Air

Date Collected: 04/14/11 8:14
Date Received: 04/15/11 9:45

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
1,1,1-Trichloroethane	ND	ppbv	0.31	1.54	04/26/11 17:44 CJR	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.16	1.54	04/26/11 17:44 CJR	79-34-5	
1,1,2-Trichloroethane	ND	ppbv	0.15	1.54	04/26/11 17:44 CJR	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.32	1.54	04/26/11 17:44 CJR	76-13-1	
1,1-Dichloroethane	ND	ppbv	0.32	1.54	04/26/11 17:44 CJR	75-34-3	
1,1-Dichloroethene	ND	ppbv	0.3	1.54	04/26/11 17:44 CJR	75-35-4	
1,2,4-Trichlorobenzene	ND	ppbv	0.2	1.54	04/26/11 17:44 CJR	120-82-1	
1,2,4-Trimethylbenzene	0.34	ppbv	0.3	1.54	04/26/11 17:44 CJR	95-63-6	
1,2-Dibromoethane (EDB)	ND	ppbv	0.32	1.54	04/26/11 17:44 CJR	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.29	1.54	04/26/11 17:44 CJR	95-50-1	
1,2-Dichloroethane	ND	ppbv	0.15	1.54	04/26/11 17:44 CJR	107-06-2	
1,2-Dichloropropane	ND	ppbv	0.3	1.54	04/26/11 17:44 CJR	78-87-5	
1,3,5-Trimethylbenzene	ND	ppbv	0.3	1.54	04/26/11 17:44 CJR	108-67-8	
1,3-Butadiene	ND	ppbv	0.31	1.54	04/26/11 17:44 CJR	106-99-0	
1,3-Dichlorobenzene	ND	ppbv	0.29	1.54	04/26/11 17:44 CJR	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.29	1.54	04/26/11 17:44 CJR	106-46-7	
2-Butanone (MEK)	0.367	ppbv	0.31	1.54	04/26/11 17:44 CJR	78-93-3	
2-Hexanone	ND	ppbv	0.31	1.54	04/26/11 17:44 CJR	591-78-6	
2-Propanol	ND	ppbv	1.5	1.54	04/26/11 17:44 CJR	67-63-0	
4-Ethyltoluene	ND	ppbv	0.76	1.54	04/26/11 17:44 CJR	622-96-8	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	0.31	1.54	04/26/11 17:44 CJR	108-10-1	
Acetone	2.28	ppbv	0.31	1.54	04/26/11 17:44 CJR	67-64-1	
Benzene	0.37	ppbv	0.15	1.54	04/26/11 17:44 CJR	71-43-2	
Benzyl chloride	ND	ppbv	0.3	1.54	04/26/11 17:44 CJR	100-44-7	
Bromodichloromethane	ND	ppbv	0.32	1.54	04/26/11 17:44 CJR	75-27-4	
Bromoform	ND	ppbv	0.3	1.54	04/26/11 17:44 CJR	75-25-2	
Bromomethane	ND	ppbv	0.3	1.54	04/26/11 17:44 CJR	74-83-9	
Carbon disulfide	ND	ppbv	0.31	1.54	04/26/11 17:44 CJR	75-15-0	
Carbon tetrachloride	ND	ppbv	0.15	1.54	04/26/11 17:44 CJR	56-23-5	
Chlorobenzene	ND	ppbv	0.3	1.54	04/26/11 17:44 CJR	108-90-7	
Chloroethane	ND	ppbv	0.31	1.54	04/26/11 17:44 CJR	75-00-3	

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Date: 4/28/2011

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ANALYTICAL RESULTS

Client: Marathon Oil
 Phone: 419-421-2012

Lab Project Number: 10154603
 Project Name: Ambient Air (April)

Chloroform	ND	ppbv	0.3	1.54	04/26/11 17:44	CJR	67-66-3	
Chloromethane	0.472	ppbv	0.31	1.54	04/26/11 17:44	CJR	74-87-3	
cis-1,2-Dichloroethene	ND	ppbv	0.3	1.54	04/26/11 17:44	CJR	156-59-2	
cis-1,3-Dichloropropene	ND	ppbv	0.3	1.54	04/26/11 17:44	CJR	10061-01-5	
Cyclohexane	ND	ppbv	0.29	1.54	04/26/11 17:44	CJR	110-82-7	
Dibromochloromethane	ND	ppbv	0.3	1.54	04/26/11 17:44	CJR	124-48-1	
Dichlorodifluoromethane	0.537	ppbv	0.3	1.54	04/26/11 17:44	CJR	75-71-8	
Dichlorotetrafluoroethane	ND	ppbv	0.31	1.54	04/26/11 17:44	CJR	76-14-2	
Ethanol	46.8	ppbv	1.5	1.54	04/26/11 17:44	CJR	64-17-5	SS
Ethyl acetate	ND	ppbv	0.3	1.54	04/26/11 17:44	CJR	141-78-6	
Ethylbenzene	ND	ppbv	0.32	1.54	04/26/11 17:44	CJR	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.31	1.54	04/26/11 17:44	CJR	87-68-3	
m&p-Xylene	ND	ppbv	0.61	1.54	04/26/11 17:44	CJR	179601-23-	
Methylene Chloride	1.27	ppbv	0.31	1.54	04/26/11 17:44	CJR	75-09-2	
Methyl-tert-butyl ether	ND	ppbv	0.3	1.54	04/26/11 17:44	CJR	1634-04-4	
Naphthalene	ND	ppbv	0.79	1.54	04/26/11 17:44	CJR	91-20-3	
n-Heptane	ND	ppbv	0.31	1.54	04/26/11 17:44	CJR	142-82-5	
n-Hexane	0.391	ppbv	0.31	1.54	04/26/11 17:44	CJR	110-54-3	
o-Xylene	ND	ppbv	0.32	1.54	04/26/11 17:44	CJR	95-47-6	
Propylene	ND	ppbv	0.31	1.54	04/26/11 17:44	CJR	115-07-1	
Styrene	ND	ppbv	0.3	1.54	04/26/11 17:44	CJR	100-42-5	
Tetrachloroethene	ND	ppbv	0.16	1.54	04/26/11 17:44	CJR	127-18-4	
Tetrahydrofuran	ND	ppbv	0.31	1.54	04/26/11 17:44	CJR	109-99-9	
Toluene	0.757	ppbv	0.31	1.54	04/26/11 17:44	CJR	108-88-3	
trans-1,2-Dichloroethene	ND	ppbv	0.3	1.54	04/26/11 17:44	CJR	156-60-5	
trans-1,3-Dichloropropene	ND	ppbv	0.3	1.54	04/26/11 17:44	CJR	10061-02-6	
Trichloroethene	0.256	ppbv	0.16	1.54	04/26/11 17:44	CJR	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.3	1.54	04/26/11 17:44	CJR	75-69-4	
Vinyl acetate	ND	ppbv	0.31	1.54	04/26/11 17:44	CJR	108-05-4	
Vinyl chloride	ND	ppbv	0.15	1.54	04/26/11 17:44	CJR	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT

Units Conversion Request

Date: 4/28/2011

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Pace Analytical Services, Inc.
 1700 Elm Street – Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: Marathon Oil
 Phone: 419-421-2012
 Lab Sample No: 10154603004
 Client Sample ID: Liddesdale

Lab Project Number: 10154603
 Project Name: Ambient Air (April)
 Date Collected: 04/14/11 8:17
 Date Received: 04/15/11 9:45

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
1,1,1-Trichloroethane	ND	ppbv	0.32	1.66	04/26/11 18:13 CJR	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.17	1.66	04/26/11 18:13 CJR	79-34-5	
1,1,2-Trichloroethane	ND	ppbv	0.16	1.66	04/26/11 18:13 CJR	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.35	1.66	04/26/11 18:13 CJR	76-13-1	
1,1-Dichloroethane	ND	ppbv	0.34	1.66	04/26/11 18:13 CJR	75-34-3	
1,1-Dichloroethene	ND	ppbv	0.32	1.66	04/26/11 18:13 CJR	75-35-4	
1,2,4-Trichlorobenzene	ND	ppbv	0.21	1.66	04/26/11 18:13 CJR	120-82-1	
1,2,4-Trimethylbenzene	ND	ppbv	0.34	1.66	04/26/11 18:13 CJR	95-63-6	
1,2-Dibromoethane (EDB)	ND	ppbv	0.35	1.66	04/26/11 18:13 CJR	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.33	1.66	04/26/11 18:13 CJR	95-50-1	
1,2-Dichloroethane	ND	ppbv	0.17	1.66	04/26/11 18:13 CJR	107-06-2	
1,2-Dichloropropane	ND	ppbv	0.34	1.66	04/26/11 18:13 CJR	78-87-5	
1,3,5-Trimethylbenzene	ND	ppbv	0.34	1.66	04/26/11 18:13 CJR	108-67-8	
1,3-Butadiene	ND	ppbv	0.33	1.66	04/26/11 18:13 CJR	106-99-0	
1,3-Dichlorobenzene	ND	ppbv	0.33	1.66	04/26/11 18:13 CJR	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.33	1.66	04/26/11 18:13 CJR	106-46-7	
2-Butanone (MEK)	1.57	ppbv	0.33	1.66	04/26/11 18:13 CJR	78-93-3	
2-Hexanone	ND	ppbv	0.34	1.66	04/26/11 18:13 CJR	591-78-6	
2-Propanol	ND	ppbv	1.7	1.66	04/26/11 18:13 CJR	67-63-0	
4-Ethyltoluene	ND	ppbv	0.84	1.66	04/26/11 18:13 CJR	622-96-8	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	0.34	1.66	04/26/11 18:13 CJR	108-10-1	
Acetone	8.99	ppbv	0.33	1.66	04/26/11 18:13 CJR	67-64-1	
Benzene	0.286	ppbv	0.17	1.66	04/26/11 18:13 CJR	71-43-2	
Benzyl chloride	ND	ppbv	0.32	1.66	04/26/11 18:13 CJR	100-44-7	
Bromodichloromethane	ND	ppbv	0.34	1.66	04/26/11 18:13 CJR	75-27-4	
Bromoform	ND	ppbv	0.33	1.66	04/26/11 18:13 CJR	75-25-2	
Bromomethane	ND	ppbv	0.33	1.66	04/26/11 18:13 CJR	74-83-9	
Carbon disulfide	ND	ppbv	0.32	1.66	04/26/11 18:13 CJR	75-15-0	
Carbon tetrachloride	0.172	ppbv	0.17	1.66	04/26/11 18:13 CJR	56-23-5	
Chlorobenzene	ND	ppbv	0.34	1.66	04/26/11 18:13 CJR	108-90-7	
Chloroethane	ND	ppbv	0.34	1.66	04/26/11 18:13 CJR	75-00-3	

SUPPLEMENTAL REPORT

Date: 4/28/2011

Units Conversion Request

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Pace Analytical Services, Inc.
 1700 Elm Street – Suite 200
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 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: Marathon Oil
 Phone: 419-421-2012

Lab Project Number: 10154603
 Project Name: Ambient Air (April)

Chloroform	ND	ppbv	0.32	1.66	04/26/11 18:13	CJR	67-66-3	
Chloromethane	0.438	ppbv	0.33	1.66	04/26/11 18:13	CJR	74-87-3	
cis-1,2-Dichloroethene	ND	ppbv	0.32	1.66	04/26/11 18:13	CJR	156-59-2	
cis-1,3-Dichloropropene	ND	ppbv	0.33	1.66	04/26/11 18:13	CJR	10061-01-5	
Cyclohexane	ND	ppbv	0.31	1.66	04/26/11 18:13	CJR	110-82-7	
Dibromochloromethane	ND	ppbv	0.32	1.66	04/26/11 18:13	CJR	124-48-1	
Dichlorodifluoromethane	0.557	ppbv	0.34	1.66	04/26/11 18:13	CJR	75-71-8	
Dichlorotetrafluoroethane	ND	ppbv	0.32	1.66	04/26/11 18:13	CJR	76-14-2	
Ethanol	6.06	ppbv	1.7	1.66	04/26/11 18:13	CJR	64-17-5	SS
Ethyl acetate	ND	ppbv	0.33	1.66	04/26/11 18:13	CJR	141-78-6	
Ethylbenzene	ND	ppbv	0.34	1.66	04/26/11 18:13	CJR	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.34	1.66	04/26/11 18:13	CJR	87-68-3	
m&p-Xylene	ND	ppbv	0.66	1.66	04/26/11 18:13	CJR	179601-23-	
Methylene Chloride	0.765	ppbv	0.34	1.66	04/26/11 18:13	CJR	75-09-2	
Methyl-tert-butyl ether	ND	ppbv	0.33	1.66	04/26/11 18:13	CJR	1634-04-4	
Naphthalene	ND	ppbv	0.84	1.66	04/26/11 18:13	CJR	91-20-3	
n-Heptane	ND	ppbv	0.34	1.66	04/26/11 18:13	CJR	142-82-5	
n-Hexane	ND	ppbv	0.33	1.66	04/26/11 18:13	CJR	110-54-3	
o-Xylene	ND	ppbv	0.34	1.66	04/26/11 18:13	CJR	95-47-6	
Propylene	ND	ppbv	0.33	1.66	04/26/11 18:13	CJR	115-07-1	
Styrene	ND	ppbv	0.32	1.66	04/26/11 18:13	CJR	100-42-5	
Tetrachloroethene	ND	ppbv	0.16	1.66	04/26/11 18:13	CJR	127-18-4	
Tetrahydrofuran	ND	ppbv	0.33	1.66	04/26/11 18:13	CJR	109-99-9	
Toluene	0.574	ppbv	0.34	1.66	04/26/11 18:13	CJR	108-88-3	
trans-1,2-Dichloroethene	ND	ppbv	0.32	1.66	04/26/11 18:13	CJR	156-60-5	
trans-1,3-Dichloropropene	ND	ppbv	0.33	1.66	04/26/11 18:13	CJR	10061-02-6	
Trichloroethene	ND	ppbv	0.17	1.66	04/26/11 18:13	CJR	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.32	1.66	04/26/11 18:13	CJR	75-69-4	
Vinyl acetate	ND	ppbv	0.34	1.66	04/26/11 18:13	CJR	108-05-4	
Vinyl chloride	ND	ppbv	0.17	1.66	04/26/11 18:13	CJR	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT

Units Conversion Request



Pace Analytical Services, Inc.
 1700 Elm Street – Suite 200
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 Phone: 612.607.1700
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ANALYTICAL RESULTS

Client: Marathon Oil
 Phone: 419-421-2012
 Lab Sample No: 10154603005
 Client Sample ID: Liebold

Lab Project Number: 10154603
 Project Name: Ambient Air (April)
 ProjSampleNum: 10154603005
 Matrix: Air
 Date Collected: 04/14/11 8:20
 Date Received: 04/15/11 9:45

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
1,1,1-Trichloroethane	ND	ppbv	0.32	1.66	04/26/11 19:11 CJR	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.17	1.66	04/26/11 19:11 CJR	79-34-5	
1,1,2-Trichloroethane	ND	ppbv	0.16	1.66	04/26/11 19:11 CJR	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.35	1.66	04/26/11 19:11 CJR	76-13-1	
1,1-Dichloroethane	ND	ppbv	0.34	1.66	04/26/11 19:11 CJR	75-34-3	
1,1-Dichloroethene	ND	ppbv	0.32	1.66	04/26/11 19:11 CJR	75-35-4	
1,2,4-Trichlorobenzene	ND	ppbv	0.21	1.66	04/26/11 19:11 CJR	120-82-1	
1,2,4-Trimethylbenzene	0.38	ppbv	0.34	1.66	04/26/11 19:11 CJR	95-63-6	
1,2-Dibromoethane (EDB)	ND	ppbv	0.35	1.66	04/26/11 19:11 CJR	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.33	1.66	04/26/11 19:11 CJR	95-50-1	
1,2-Dichloroethane	ND	ppbv	0.17	1.66	04/26/11 19:11 CJR	107-06-2	
1,2-Dichloropropane	ND	ppbv	0.34	1.66	04/26/11 19:11 CJR	78-87-5	
1,3,5-Trimethylbenzene	ND	ppbv	0.34	1.66	04/26/11 19:11 CJR	108-67-8	
1,3-Butadiene	ND	ppbv	0.33	1.66	04/26/11 19:11 CJR	106-99-0	
1,3-Dichlorobenzene	ND	ppbv	0.33	1.66	04/26/11 19:11 CJR	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.33	1.66	04/26/11 19:11 CJR	106-46-7	
2-Butanone (MEK)	0.567	ppbv	0.33	1.66	04/26/11 19:11 CJR	78-93-3	
2-Hexanone	ND	ppbv	0.34	1.66	04/26/11 19:11 CJR	591-78-6	
2-Propanol	ND	ppbv	1.7	1.66	04/26/11 19:11 CJR	67-63-0	
4-Ethyltoluene	ND	ppbv	0.84	1.66	04/26/11 19:11 CJR	622-96-8	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	0.34	1.66	04/26/11 19:11 CJR	108-10-1	
Acetone	5.59	ppbv	0.33	1.66	04/26/11 19:11 CJR	67-64-1	
Benzene	0.431	ppbv	0.17	1.66	04/26/11 19:11 CJR	71-43-2	
Benzyl chloride	ND	ppbv	0.32	1.66	04/26/11 19:11 CJR	100-44-7	
Bromodichloromethane	ND	ppbv	0.34	1.66	04/26/11 19:11 CJR	75-27-4	
Bromoform	ND	ppbv	0.33	1.66	04/26/11 19:11 CJR	75-25-2	
Bromomethane	ND	ppbv	0.33	1.66	04/26/11 19:11 CJR	74-83-9	
Carbon disulfide	1.01	ppbv	0.32	1.66	04/26/11 19:11 CJR	75-15-0	
Carbon tetrachloride	0.172	ppbv	0.17	1.66	04/26/11 19:11 CJR	56-23-5	
Chlorobenzene	ND	ppbv	0.34	1.66	04/26/11 19:11 CJR	108-90-7	
Chloroethane	ND	ppbv	0.34	1.66	04/26/11 19:11 CJR	75-00-3	

SUPPLEMENTAL REPORT

Date: 4/28/2011

Units Conversion Request

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Pace Analytical Services, Inc.
 1700 Elm Street – Suite 200
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 Phone: 612.607.1700
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ANALYTICAL RESULTS

Client: Marathon Oil
 Phone: 419-421-2012

Lab Project Number: 10154603
 Project Name: Ambient Air (April)

Chloroform	ND	ppbv	0.32	1.66	04/26/11 19:11	CJR	67-66-3	
Chloromethane	0.476	ppbv	0.33	1.66	04/26/11 19:11	CJR	74-87-3	
cis-1,2-Dichloroethene	ND	ppbv	0.32	1.66	04/26/11 19:11	CJR	156-59-2	
cis-1,3-Dichloropropene	ND	ppbv	0.33	1.66	04/26/11 19:11	CJR	10061-01-5	
Cyclohexane	ND	ppbv	0.31	1.66	04/26/11 19:11	CJR	110-82-7	
Dibromochloromethane	ND	ppbv	0.32	1.66	04/26/11 19:11	CJR	124-48-1	
Dichlorodifluoromethane	0.597	ppbv	0.34	1.66	04/26/11 19:11	CJR	75-71-8	
Dichlorotetrafluoroethane	ND	ppbv	0.32	1.66	04/26/11 19:11	CJR	76-14-2	
Ethanol	6.37	ppbv	1.7	1.66	04/26/11 19:11	CJR	64-17-5	SS
Ethyl acetate	ND	ppbv	0.33	1.66	04/26/11 19:11	CJR	141-78-6	
Ethylbenzene	ND	ppbv	0.34	1.66	04/26/11 19:11	CJR	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.34	1.66	04/26/11 19:11	CJR	87-68-3	
m&p-Xylene	0.68	ppbv	0.66	1.66	04/26/11 19:11	CJR	179601-23-	
Methylene Chloride	49	ppbv	0.34	1.66	04/26/11 19:11	CJR	75-09-2	
Methyl-tert-butyl ether	ND	ppbv	0.33	1.66	04/26/11 19:11	CJR	1634-04-4	
Naphthalene	0.939	ppbv	0.84	1.66	04/26/11 19:11	CJR	91-20-3	CH, L1
n-Heptane	ND	ppbv	0.34	1.66	04/26/11 19:11	CJR	142-82-5	
n-Hexane	2.87	ppbv	0.33	1.66	04/26/11 19:11	CJR	110-54-3	
o-Xylene	ND	ppbv	0.34	1.66	04/26/11 19:11	CJR	95-47-6	
Propylene	ND	ppbv	0.33	1.66	04/26/11 19:11	CJR	115-07-1	
Styrene	ND	ppbv	0.32	1.66	04/26/11 19:11	CJR	100-42-5	
Tetrachloroethene	ND	ppbv	0.16	1.66	04/26/11 19:11	CJR	127-18-4	
Tetrahydrofuran	ND	ppbv	0.33	1.66	04/26/11 19:11	CJR	109-99-9	
Toluene	1.07	ppbv	0.34	1.66	04/26/11 19:11	CJR	108-88-3	
trans-1,2-Dichloroethene	ND	ppbv	0.32	1.66	04/26/11 19:11	CJR	156-60-5	
trans-1,3-Dichloropropene	ND	ppbv	0.33	1.66	04/26/11 19:11	CJR	10061-02-6	
Trichloroethene	ND	ppbv	0.17	1.66	04/26/11 19:11	CJR	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.32	1.66	04/26/11 19:11	CJR	75-69-4	
Vinyl acetate	ND	ppbv	0.34	1.66	04/26/11 19:11	CJR	108-05-4	
Vinyl chloride	ND	ppbv	0.17	1.66	04/26/11 19:11	CJR	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT

Units Conversion Request



Pace Analytical Services, Inc.
 1700 Elm Street – Suite 200
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 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: Marathon Oil
 Phone: 419-421-2012

Lab Project Number: 10154603
 Project Name: Ambient Air (April)

Lab Sample No: 10154603006
 Client Sample ID: West Fort

ProjSampleNum: 10154603006
 Matrix: Air

Date Collected: 04/14/11 8:26
 Date Received: 04/15/11 9:45

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
1,1,1-Trichloroethane	ND	ppbv	0.31	1.54	04/26/11 19:39 CJR	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ppbv	0.16	1.54	04/26/11 19:39 CJR	79-34-5	
1,1,2-Trichloroethane	ND	ppbv	0.15	1.54	04/26/11 19:39 CJR	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ppbv	0.32	1.54	04/26/11 19:39 CJR	76-13-1	
1,1-Dichloroethane	ND	ppbv	0.32	1.54	04/26/11 19:39 CJR	75-34-3	
1,1-Dichloroethene	ND	ppbv	0.3	1.54	04/26/11 19:39 CJR	75-35-4	
1,2,4-Trichlorobenzene	ND	ppbv	0.2	1.54	04/26/11 19:39 CJR	120-82-1	
1,2,4-Trimethylbenzene	0.4	ppbv	0.3	1.54	04/26/11 19:39 CJR	95-63-6	
1,2-Dibromoethane (EDB)	ND	ppbv	0.32	1.54	04/26/11 19:39 CJR	106-93-4	
1,2-Dichlorobenzene	ND	ppbv	0.29	1.54	04/26/11 19:39 CJR	95-50-1	
1,2-Dichloroethane	ND	ppbv	0.15	1.54	04/26/11 19:39 CJR	107-06-2	
1,2-Dichloropropane	ND	ppbv	0.3	1.54	04/26/11 19:39 CJR	78-87-5	
1,3,5-Trimethylbenzene	ND	ppbv	0.3	1.54	04/26/11 19:39 CJR	108-67-8	
1,3-Butadiene	ND	ppbv	0.31	1.54	04/26/11 19:39 CJR	106-99-0	
1,3-Dichlorobenzene	ND	ppbv	0.29	1.54	04/26/11 19:39 CJR	541-73-1	
1,4-Dichlorobenzene	ND	ppbv	0.29	1.54	04/26/11 19:39 CJR	106-46-7	
2-Butanone (MEK)	0.534	ppbv	0.31	1.54	04/26/11 19:39 CJR	78-93-3	
2-Hexanone	ND	ppbv	0.31	1.54	04/26/11 19:39 CJR	591-78-6	
2-Propanol	ND	ppbv	1.5	1.54	04/26/11 19:39 CJR	67-63-0	
4-Ethyltoluene	ND	ppbv	0.76	1.54	04/26/11 19:39 CJR	622-96-8	
4-Methyl-2-pentanone (MIBK)	ND	ppbv	0.31	1.54	04/26/11 19:39 CJR	108-10-1	
Acetone	4.43	ppbv	0.31	1.54	04/26/11 19:39 CJR	67-64-1	
Benzene	0.431	ppbv	0.15	1.54	04/26/11 19:39 CJR	71-43-2	
Benzyl chloride	ND	ppbv	0.3	1.54	04/26/11 19:39 CJR	100-44-7	
Bromodichloromethane	ND	ppbv	0.32	1.54	04/26/11 19:39 CJR	75-27-4	
Bromoform	ND	ppbv	0.3	1.54	04/26/11 19:39 CJR	75-25-2	
Bromomethane	ND	ppbv	0.3	1.54	04/26/11 19:39 CJR	74-83-9	
Carbon disulfide	0.758	ppbv	0.31	1.54	04/26/11 19:39 CJR	75-15-0	
Carbon tetrachloride	ND	ppbv	0.15	1.54	04/26/11 19:39 CJR	56-23-5	
Chlorobenzene	ND	ppbv	0.3	1.54	04/26/11 19:39 CJR	108-90-7	
Chloroethane	ND	ppbv	0.31	1.54	04/26/11 19:39 CJR	75-00-3	

SUPPLEMENTAL REPORT

Date: 4/28/2011

Units Conversion Request

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Pace Analytical Services, Inc.
 1700 Elm Street – Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: Marathon Oil
 Phone: 419-421-2012

Lab Project Number: 10154603
 Project Name: Ambient Air (April)

Chloroform	ND	ppbv	0.3	1.54	04/26/11 19:39	CJR	67-66-3	
Chloromethane	0.572	ppbv	0.31	1.54	04/26/11 19:39	CJR	74-87-3	
cis-1,2-Dichloroethene	ND	ppbv	0.3	1.54	04/26/11 19:39	CJR	156-59-2	
cis-1,3-Dichloropropene	ND	ppbv	0.3	1.54	04/26/11 19:39	CJR	10061-01-5	
Cyclohexane	ND	ppbv	0.29	1.54	04/26/11 19:39	CJR	110-82-7	
Dibromochloromethane	ND	ppbv	0.3	1.54	04/26/11 19:39	CJR	124-48-1	
Dichlorodifluoromethane	0.597	ppbv	0.3	1.54	04/26/11 19:39	CJR	75-71-8	
Dichlorotetrafluoroethane	ND	ppbv	0.31	1.54	04/26/11 19:39	CJR	76-14-2	
Ethanol	11	ppbv	1.5	1.54	04/26/11 19:39	CJR	64-17-5	SS
Ethyl acetate	ND	ppbv	0.3	1.54	04/26/11 19:39	CJR	141-78-6	
Ethylbenzene	ND	ppbv	0.32	1.54	04/26/11 19:39	CJR	100-41-4	
Hexachloro-1,3-butadiene	ND	ppbv	0.31	1.54	04/26/11 19:39	CJR	87-68-3	
m&p-Xylene	0.725	ppbv	0.61	1.54	04/26/11 19:39	CJR	179601-23-	
Methylene Chloride	38.5	ppbv	0.31	1.54	04/26/11 19:39	CJR	75-09-2	
Methyl-tert-butyl ether	ND	ppbv	0.3	1.54	04/26/11 19:39	CJR	1634-04-4	
Naphthalene	ND	ppbv	0.79	1.54	04/26/11 19:39	CJR	91-20-3	
n-Heptane	ND	ppbv	0.31	1.54	04/26/11 19:39	CJR	142-82-5	
n-Hexane	2.6	ppbv	0.31	1.54	04/26/11 19:39	CJR	110-54-3	
o-Xylene	ND	ppbv	0.32	1.54	04/26/11 19:39	CJR	95-47-6	
Propylene	ND	ppbv	0.31	1.54	04/26/11 19:39	CJR	115-07-1	
Styrene	ND	ppbv	0.3	1.54	04/26/11 19:39	CJR	100-42-5	
Tetrachloroethene	ND	ppbv	0.16	1.54	04/26/11 19:39	CJR	127-18-4	
Tetrahydrofuran	ND	ppbv	0.31	1.54	04/26/11 19:39	CJR	109-99-9	
Toluene	1.17	ppbv	0.31	1.54	04/26/11 19:39	CJR	108-88-3	
trans-1,2-Dichloroethene	ND	ppbv	0.3	1.54	04/26/11 19:39	CJR	156-60-5	
trans-1,3-Dichloropropene	ND	ppbv	0.3	1.54	04/26/11 19:39	CJR	10061-02-6	
Trichloroethene	ND	ppbv	0.16	1.54	04/26/11 19:39	CJR	79-01-6	
Trichlorofluoromethane	ND	ppbv	0.3	1.54	04/26/11 19:39	CJR	75-69-4	
Vinyl acetate	ND	ppbv	0.31	1.54	04/26/11 19:39	CJR	108-05-4	
Vinyl chloride	ND	ppbv	0.15	1.54	04/26/11 19:39	CJR	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT

Units Conversion Request



Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: Marathon Oil
Phone: 419-421-2012

Lab Project Number: 10154603
Project Name: Ambient Air (April)

PARAMETER FOOTNOTES

- ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
[L1] Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
[CH] The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
[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.

SUPPLEMENTAL REPORT

Units Conversion Request

April 28, 2011

Heather Chen
Marathon Oil
539 South Main Street
Findlay, OH 45840

RE: Project: Ambient Air (April)
Pace Project No.: 10154603

Dear Heather Chen:

Enclosed are the analytical results for sample(s) received by the laboratory on April 15, 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,



Andrea Opland

andrea.opland@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 22

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CERTIFICATIONS

Project: Ambient Air (April)
Pace Project No.: 10154603

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

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SAMPLE SUMMARY

Project: Ambient Air (April)
Pace Project No.: 10154603

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10154603001	East Fort	Air	04/14/11 08:07	04/15/11 09:45
10154603002	I-75	Air	04/14/11 08:11	04/15/11 09:45
10154603003	Patricia	Air	04/14/11 08:14	04/15/11 09:45
10154603004	Liddesdale	Air	04/14/11 08:17	04/15/11 09:45
10154603005	Liebold	Air	04/14/11 08:20	04/15/11 09:45
10154603006	West Fort	Air	04/14/11 08:26	04/15/11 09:45
10154603007	0278	Air		04/15/11 09:45
10154603008	0966	Air		04/15/11 09:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Ambient Air (April)
Pace Project No.: 10154603

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10154603001	East Fort	TO-15	CJR	61	PASI-M
10154603002	I-75	TO-15	CJR	61	PASI-M
10154603003	Patricia	TO-15	CJR	61	PASI-M
10154603004	Liddesdale	TO-15	CJR	61	PASI-M
10154603005	Liebold	TO-15	CJR	61	PASI-M
10154603006	West Fort	TO-15	CJR	61	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Ambient Air (April)
Pace Project No.: 10154603

Sample: East Fort		Lab ID: 10154603001	Collected: 04/14/11 08:07		Received: 04/15/11 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	27.1	ug/m3	0.76	1.59		04/26/11 16:47	67-64-1	
Benzene	1.2	ug/m3	0.52	1.59		04/26/11 16:47	71-43-2	
Benzyl chloride	ND	ug/m3	1.7	1.59		04/26/11 16:47	100-44-7	
Bromodichloromethane	ND	ug/m3	2.2	1.59		04/26/11 16:47	75-27-4	
Bromoform	ND	ug/m3	3.3	1.59		04/26/11 16:47	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.59		04/26/11 16:47	74-83-9	
1,3-Butadiene	ND	ug/m3	0.72	1.59		04/26/11 16:47	106-99-0	
2-Butanone (MEK)	ND	ug/m3	0.95	1.59		04/26/11 16:47	78-93-3	
Carbon disulfide	10.3	ug/m3	1.0	1.59		04/26/11 16:47	75-15-0	
Carbon tetrachloride	1.2	ug/m3	1.0	1.59		04/26/11 16:47	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.59		04/26/11 16:47	108-90-7	
Chloroethane	ND	ug/m3	0.86	1.59		04/26/11 16:47	75-00-3	
Chloroform	ND	ug/m3	1.6	1.59		04/26/11 16:47	67-66-3	
Chloromethane	1.2	ug/m3	0.67	1.59		04/26/11 16:47	74-87-3	
Cyclohexane	2.0	ug/m3	1.1	1.59		04/26/11 16:47	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	1.59		04/26/11 16:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.59		04/26/11 16:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	1.59		04/26/11 16:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.59		04/26/11 16:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	1.59		04/26/11 16:47	106-46-7	
Dichlorodifluoromethane	3.3	ug/m3	1.6	1.59		04/26/11 16:47	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.59		04/26/11 16:47	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.65	1.59		04/26/11 16:47	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.59		04/26/11 16:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.59		04/26/11 16:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.59		04/26/11 16:47	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.59		04/26/11 16:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.59		04/26/11 16:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.59		04/26/11 16:47	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.59		04/26/11 16:47	76-14-2	
Ethanol	14.6	ug/m3	3.0	1.59		04/26/11 16:47	64-17-5	SS
Ethyl acetate	ND	ug/m3	1.2	1.59		04/26/11 16:47	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	1.59		04/26/11 16:47	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.0	1.59		04/26/11 16:47	622-96-8	
n-Heptane	ND	ug/m3	1.3	1.59		04/26/11 16:47	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.59		04/26/11 16:47	87-68-3	
n-Hexane	47.8	ug/m3	1.1	1.59		04/26/11 16:47	110-54-3	
2-Hexanone	ND	ug/m3	1.3	1.59		04/26/11 16:47	591-78-6	
Methylene Chloride	927	ug/m3	1.1	1.59		04/26/11 16:47	75-09-2	E
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.3	1.59		04/26/11 16:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.2	1.59		04/26/11 16:47	1634-04-4	
Naphthalene	ND	ug/m3	4.3	1.59		04/26/11 16:47	91-20-3	
2-Propanol	25.5	ug/m3	4.0	1.59		04/26/11 16:47	67-63-0	
Propylene	ND	ug/m3	0.56	1.59		04/26/11 16:47	115-07-1	
Styrene	ND	ug/m3	1.4	1.59		04/26/11 16:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.59		04/26/11 16:47	79-34-5	
Tetrachloroethene	ND	ug/m3	1.1	1.59		04/26/11 16:47	127-18-4	

Date: 04/28/2011 05:20 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Ambient Air (April)
Pace Project No.: 10154603

Sample: East Fort		Lab ID: 10154603001	Collected: 04/14/11 08:07	Received: 04/15/11 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Tetrahydrofuran	ND	ug/m3	0.95	1.59		04/26/11 16:47	109-99-9	
Toluene	4.3	ug/m3	1.2	1.59		04/26/11 16:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.6	1.59		04/26/11 16:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.59		04/26/11 16:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.87	1.59		04/26/11 16:47	79-00-5	
Trichloroethene	ND	ug/m3	0.87	1.59		04/26/11 16:47	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.7	1.59		04/26/11 16:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.59		04/26/11 16:47	76-13-1	
1,2,4-Trimethylbenzene	1.8	ug/m3	1.6	1.59		04/26/11 16:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.59		04/26/11 16:47	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	1.59		04/26/11 16:47	108-05-4	
Vinyl chloride	ND	ug/m3	0.41	1.59		04/26/11 16:47	75-01-4	
m&p-Xylene	2.8	ug/m3	2.8	1.59		04/26/11 16:47	179601-23-1	
o-Xylene	ND	ug/m3	1.4	1.59		04/26/11 16:47	95-47-6	

Date: 04/28/2011 05:20 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Ambient Air (April)
Pace Project No.: 10154603

Sample: I-75		Lab ID: 10154603002	Collected: 04/14/11 08:11	Received: 04/15/11 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	6.9	ug/m3	0.86	1.8		04/26/11 17:16	67-64-1	
Benzene	0.99	ug/m3	0.58	1.8		04/26/11 17:16	71-43-2	
Benzyl chloride	ND	ug/m3	1.9	1.8		04/26/11 17:16	100-44-7	
Bromodichloromethane	ND	ug/m3	2.5	1.8		04/26/11 17:16	75-27-4	
Bromoform	ND	ug/m3	3.8	1.8		04/26/11 17:16	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.8		04/26/11 17:16	74-83-9	
1,3-Butadiene	ND	ug/m3	0.81	1.8		04/26/11 17:16	106-99-0	
2-Butanone (MEK)	1.7	ug/m3	1.1	1.8		04/26/11 17:16	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.8		04/26/11 17:16	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.2	1.8		04/26/11 17:16	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.8		04/26/11 17:16	108-90-7	
Chloroethane	ND	ug/m3	0.97	1.8		04/26/11 17:16	75-00-3	
Chloroform	ND	ug/m3	1.8	1.8		04/26/11 17:16	67-66-3	
Chloromethane	1.0	ug/m3	0.76	1.8		04/26/11 17:16	74-87-3	
Cyclohexane	ND	ug/m3	1.2	1.8		04/26/11 17:16	110-82-7	
Dibromochloromethane	ND	ug/m3	3.1	1.8		04/26/11 17:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.8		04/26/11 17:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.8		04/26/11 17:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.8		04/26/11 17:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.8		04/26/11 17:16	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.8	1.8		04/26/11 17:16	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.8		04/26/11 17:16	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.74	1.8		04/26/11 17:16	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.8		04/26/11 17:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.8		04/26/11 17:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.8		04/26/11 17:16	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.8		04/26/11 17:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.8		04/26/11 17:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.8		04/26/11 17:16	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.8		04/26/11 17:16	76-14-2	
Ethanol	14.0	ug/m3	3.4	1.8		04/26/11 17:16	64-17-5	SS
Ethyl acetate	ND	ug/m3	1.3	1.8		04/26/11 17:16	141-78-6	
Ethylbenzene	ND	ug/m3	1.6	1.8		04/26/11 17:16	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.5	1.8		04/26/11 17:16	622-96-8	
n-Heptane	ND	ug/m3	1.5	1.8		04/26/11 17:16	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.8		04/26/11 17:16	87-68-3	
n-Hexane	ND	ug/m3	1.3	1.8		04/26/11 17:16	110-54-3	
2-Hexanone	ND	ug/m3	1.5	1.8		04/26/11 17:16	591-78-6	
Methylene Chloride	4.8	ug/m3	1.3	1.8		04/26/11 17:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.5	1.8		04/26/11 17:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.3	1.8		04/26/11 17:16	1634-04-4	
Naphthalene	ND	ug/m3	4.9	1.8		04/26/11 17:16	91-20-3	
2-Propanol	ND	ug/m3	4.5	1.8		04/26/11 17:16	67-63-0	
Propylene	ND	ug/m3	0.63	1.8		04/26/11 17:16	115-07-1	
Styrene	ND	ug/m3	1.6	1.8		04/26/11 17:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.8		04/26/11 17:16	79-34-5	
Tetrachloroethene	9.4	ug/m3	1.2	1.8		04/26/11 17:16	127-18-4	

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ANALYTICAL RESULTS

Project: Ambient Air (April)
Pace Project No.: 10154603

Sample: I-75		Lab ID: 10154603002	Collected: 04/14/11 08:11		Received: 04/15/11 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Tetrahydrofuran	ND	ug/m3	1.1	1.8		04/26/11 17:16	109-99-9	
Toluene	2.5	ug/m3	1.4	1.8		04/26/11 17:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.8	1.8		04/26/11 17:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.8		04/26/11 17:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.99	1.8		04/26/11 17:16	79-00-5	
Trichloroethene	2.4	ug/m3	0.99	1.8		04/26/11 17:16	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.0	1.8		04/26/11 17:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.8		04/26/11 17:16	76-13-1	
1,2,4-Trimethylbenzene	1.8	ug/m3	1.8	1.8		04/26/11 17:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.8		04/26/11 17:16	108-67-8	
Vinyl acetate	ND	ug/m3	1.3	1.8		04/26/11 17:16	108-05-4	
Vinyl chloride	ND	ug/m3	0.47	1.8		04/26/11 17:16	75-01-4	
m&p-Xylene	ND	ug/m3	3.2	1.8		04/26/11 17:16	179601-23-1	
o-Xylene	ND	ug/m3	1.6	1.8		04/26/11 17:16	95-47-6	

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ANALYTICAL RESULTS

Project: Ambient Air (April)

Pace Project No.: 10154603

Sample: Patricia		Lab ID: 10154603003	Collected: 04/14/11 08:14		Received: 04/15/11 09:45	Matrix: Air		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	5.5	ug/m3	0.74	1.54		04/26/11 17:44	67-64-1	
Benzene	1.2	ug/m3	0.50	1.54		04/26/11 17:44	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	1.54		04/26/11 17:44	100-44-7	
Bromodichloromethane	ND	ug/m3	2.2	1.54		04/26/11 17:44	75-27-4	
Bromoform	ND	ug/m3	3.2	1.54		04/26/11 17:44	75-25-2	
Bromomethane	ND	ug/m3	1.2	1.54		04/26/11 17:44	74-83-9	
1,3-Butadiene	ND	ug/m3	0.69	1.54		04/26/11 17:44	106-99-0	
2-Butanone (MEK)	1.1	ug/m3	0.92	1.54		04/26/11 17:44	78-93-3	
Carbon disulfide	ND	ug/m3	0.97	1.54		04/26/11 17:44	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.99	1.54		04/26/11 17:44	56-23-5	
Chlorobenzene	ND	ug/m3	1.4	1.54		04/26/11 17:44	108-90-7	
Chloroethane	ND	ug/m3	0.83	1.54		04/26/11 17:44	75-00-3	
Chloroform	ND	ug/m3	1.5	1.54		04/26/11 17:44	67-66-3	
Chloromethane	0.99	ug/m3	0.65	1.54		04/26/11 17:44	74-87-3	
Cyclohexane	ND	ug/m3	1.0	1.54		04/26/11 17:44	110-82-7	
Dibromochloromethane	ND	ug/m3	2.6	1.54		04/26/11 17:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.54		04/26/11 17:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	1.54		04/26/11 17:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	1.54		04/26/11 17:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	1.54		04/26/11 17:44	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	1.5	1.54		04/26/11 17:44	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.54		04/26/11 17:44	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.63	1.54		04/26/11 17:44	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	1.54		04/26/11 17:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.54		04/26/11 17:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.54		04/26/11 17:44	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.4	1.54		04/26/11 17:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.54		04/26/11 17:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.54		04/26/11 17:44	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.54		04/26/11 17:44	76-14-2	
Ethanol	89.6	ug/m3	2.9	1.54		04/26/11 17:44	64-17-5	SS
Ethyl acetate	ND	ug/m3	1.1	1.54		04/26/11 17:44	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	1.54		04/26/11 17:44	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.8	1.54		04/26/11 17:44	622-96-8	
n-Heptane	ND	ug/m3	1.3	1.54		04/26/11 17:44	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.54		04/26/11 17:44	87-68-3	
n-Hexane	1.4	ug/m3	1.1	1.54		04/26/11 17:44	110-54-3	
2-Hexanone	ND	ug/m3	1.3	1.54		04/26/11 17:44	591-78-6	
Methylene Chloride	4.5	ug/m3	1.1	1.54		04/26/11 17:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.3	1.54		04/26/11 17:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.1	1.54		04/26/11 17:44	1634-04-4	
Naphthalene	ND	ug/m3	4.2	1.54		04/26/11 17:44	91-20-3	
2-Propanol	ND	ug/m3	3.8	1.54		04/26/11 17:44	67-63-0	
Propylene	ND	ug/m3	0.54	1.54		04/26/11 17:44	115-07-1	
Styrene	ND	ug/m3	1.3	1.54		04/26/11 17:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.54		04/26/11 17:44	79-34-5	
Tetrachloroethene	ND	ug/m3	1.1	1.54		04/26/11 17:44	127-18-4	

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ANALYTICAL RESULTS

Project: Ambient Air (April)
Pace Project No.: 10154603

Sample: Patricia		Lab ID: 10154603003	Collected: 04/14/11 08:14	Received: 04/15/11 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Tetrahydrofuran	ND	ug/m3	0.92	1.54		04/26/11 17:44	109-99-9	
Toluene	2.9	ug/m3	1.2	1.54		04/26/11 17:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.5	1.54		04/26/11 17:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.54		04/26/11 17:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.85	1.54		04/26/11 17:44	79-00-5	
Trichloroethene	1.4	ug/m3	0.85	1.54		04/26/11 17:44	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.7	1.54		04/26/11 17:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.54		04/26/11 17:44	76-13-1	
1,2,4-Trimethylbenzene	1.7	ug/m3	1.5	1.54		04/26/11 17:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.54		04/26/11 17:44	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	1.54		04/26/11 17:44	108-05-4	
Vinyl chloride	ND	ug/m3	0.40	1.54		04/26/11 17:44	75-01-4	
m&p-Xylene	ND	ug/m3	2.7	1.54		04/26/11 17:44	179601-23-1	
o-Xylene	ND	ug/m3	1.4	1.54		04/26/11 17:44	95-47-6	

ANALYTICAL RESULTS

Project: Ambient Air (April)

Pace Project No.: 10154603

Sample: Liddesdale		Lab ID: 10154603004	Collected: 04/14/11 08:17	Received: 04/15/11 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	21.7	ug/m3	0.80	1.66		04/26/11 18:13	67-64-1	
Benzene	0.93	ug/m3	0.54	1.66		04/26/11 18:13	71-43-2	
Benzyl chloride	ND	ug/m3	1.7	1.66		04/26/11 18:13	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.66		04/26/11 18:13	75-27-4	
Bromoform	ND	ug/m3	3.5	1.66		04/26/11 18:13	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.66		04/26/11 18:13	74-83-9	
1,3-Butadiene	ND	ug/m3	0.75	1.66		04/26/11 18:13	106-99-0	
2-Butanone (MEK)	4.7	ug/m3	1.0	1.66		04/26/11 18:13	78-93-3	
Carbon disulfide	ND	ug/m3	1.0	1.66		04/26/11 18:13	75-15-0	
Carbon tetrachloride	1.1	ug/m3	1.1	1.66		04/26/11 18:13	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.66		04/26/11 18:13	108-90-7	
Chloroethane	ND	ug/m3	0.90	1.66		04/26/11 18:13	75-00-3	
Chloroform	ND	ug/m3	1.6	1.66		04/26/11 18:13	67-66-3	
Chloromethane	0.92	ug/m3	0.70	1.66		04/26/11 18:13	74-87-3	
Cyclohexane	ND	ug/m3	1.1	1.66		04/26/11 18:13	110-82-7	
Dibromochloromethane	ND	ug/m3	2.8	1.66		04/26/11 18:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.66		04/26/11 18:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.66		04/26/11 18:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.66		04/26/11 18:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.66		04/26/11 18:13	106-46-7	
Dichlorodifluoromethane	2.8	ug/m3	1.7	1.66		04/26/11 18:13	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.66		04/26/11 18:13	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.68	1.66		04/26/11 18:13	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.66		04/26/11 18:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.66		04/26/11 18:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.66		04/26/11 18:13	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.66		04/26/11 18:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.66		04/26/11 18:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.66		04/26/11 18:13	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.66		04/26/11 18:13	76-14-2	
Ethanol	11.6	ug/m3	3.2	1.66		04/26/11 18:13	64-17-5	SS
Ethyl acetate	ND	ug/m3	1.2	1.66		04/26/11 18:13	141-78-6	
Ethylbenzene	ND	ug/m3	1.5	1.66		04/26/11 18:13	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.2	1.66		04/26/11 18:13	622-96-8	
n-Heptane	ND	ug/m3	1.4	1.66		04/26/11 18:13	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.66		04/26/11 18:13	87-68-3	
n-Hexane	ND	ug/m3	1.2	1.66		04/26/11 18:13	110-54-3	
2-Hexanone	ND	ug/m3	1.4	1.66		04/26/11 18:13	591-78-6	
Methylene Chloride	2.7	ug/m3	1.2	1.66		04/26/11 18:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.4	1.66		04/26/11 18:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.2	1.66		04/26/11 18:13	1634-04-4	
Naphthalene	ND	ug/m3	4.5	1.66		04/26/11 18:13	91-20-3	
2-Propanol	ND	ug/m3	4.2	1.66		04/26/11 18:13	67-63-0	
Propylene	ND	ug/m3	0.58	1.66		04/26/11 18:13	115-07-1	
Styrene	ND	ug/m3	1.4	1.66		04/26/11 18:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.66		04/26/11 18:13	79-34-5	
Tetrachloroethene	ND	ug/m3	1.1	1.66		04/26/11 18:13	127-18-4	

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ANALYTICAL RESULTS

Project: Ambient Air (April)

Pace Project No.: 10154603

Sample: Liddesdale		Lab ID: 10154603004	Collected: 04/14/11 08:17	Received: 04/15/11 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Tetrahydrofuran	ND	ug/m3	1.0	1.66		04/26/11 18:13	109-99-9	
Toluene	2.2	ug/m3	1.3	1.66		04/26/11 18:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.6	1.66		04/26/11 18:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.66		04/26/11 18:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.91	1.66		04/26/11 18:13	79-00-5	
Trichloroethene	ND	ug/m3	0.91	1.66		04/26/11 18:13	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	1.66		04/26/11 18:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.66		04/26/11 18:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.66		04/26/11 18:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.66		04/26/11 18:13	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	1.66		04/26/11 18:13	108-05-4	
Vinyl chloride	ND	ug/m3	0.43	1.66		04/26/11 18:13	75-01-4	
m&p-Xylene	ND	ug/m3	2.9	1.66		04/26/11 18:13	179601-23-1	
o-Xylene	ND	ug/m3	1.5	1.66		04/26/11 18:13	95-47-6	

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ANALYTICAL RESULTS

Project: Ambient Air (April)

Pace Project No.: 10154603

Sample: Liebold		Lab ID: 10154603005	Collected: 04/14/11 08:20	Received: 04/15/11 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	13.5	ug/m3	0.80	1.66		04/26/11 19:11	67-64-1	
Benzene	1.4	ug/m3	0.54	1.66		04/26/11 19:11	71-43-2	
Benzyl chloride	ND	ug/m3	1.7	1.66		04/26/11 19:11	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.66		04/26/11 19:11	75-27-4	
Bromoform	ND	ug/m3	3.5	1.66		04/26/11 19:11	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.66		04/26/11 19:11	74-83-9	
1,3-Butadiene	ND	ug/m3	0.75	1.66		04/26/11 19:11	106-99-0	
2-Butanone (MEK)	1.7	ug/m3	1.0	1.66		04/26/11 19:11	78-93-3	
Carbon disulfide	3.2	ug/m3	1.0	1.66		04/26/11 19:11	75-15-0	
Carbon tetrachloride	1.1	ug/m3	1.1	1.66		04/26/11 19:11	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.66		04/26/11 19:11	108-90-7	
Chloroethane	ND	ug/m3	0.90	1.66		04/26/11 19:11	75-00-3	
Chloroform	ND	ug/m3	1.6	1.66		04/26/11 19:11	67-66-3	
Chloromethane	1.0	ug/m3	0.70	1.66		04/26/11 19:11	74-87-3	
Cyclohexane	ND	ug/m3	1.1	1.66		04/26/11 19:11	110-82-7	
Dibromochloromethane	ND	ug/m3	2.8	1.66		04/26/11 19:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.66		04/26/11 19:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.66		04/26/11 19:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.66		04/26/11 19:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.66		04/26/11 19:11	106-46-7	
Dichlorodifluoromethane	3.0	ug/m3	1.7	1.66		04/26/11 19:11	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.66		04/26/11 19:11	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.68	1.66		04/26/11 19:11	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.66		04/26/11 19:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.66		04/26/11 19:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.66		04/26/11 19:11	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.66		04/26/11 19:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.66		04/26/11 19:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.66		04/26/11 19:11	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.66		04/26/11 19:11	76-14-2	
Ethanol	12.2	ug/m3	3.2	1.66		04/26/11 19:11	64-17-5	SS
Ethyl acetate	ND	ug/m3	1.2	1.66		04/26/11 19:11	141-78-6	
Ethylbenzene	ND	ug/m3	1.5	1.66		04/26/11 19:11	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.2	1.66		04/26/11 19:11	622-96-8	
n-Heptane	ND	ug/m3	1.4	1.66		04/26/11 19:11	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.66		04/26/11 19:11	87-68-3	
n-Hexane	10.3	ug/m3	1.2	1.66		04/26/11 19:11	110-54-3	
2-Hexanone	ND	ug/m3	1.4	1.66		04/26/11 19:11	591-78-6	
Methylene Chloride	173	ug/m3	1.2	1.66		04/26/11 19:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.4	1.66		04/26/11 19:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.2	1.66		04/26/11 19:11	1634-04-4	
Naphthalene	5.0	ug/m3	4.5	1.66		04/26/11 19:11	91-20-3	CH,L1
2-Propanol	ND	ug/m3	4.2	1.66		04/26/11 19:11	67-63-0	
Propylene	ND	ug/m3	0.58	1.66		04/26/11 19:11	115-07-1	
Styrene	ND	ug/m3	1.4	1.66		04/26/11 19:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.66		04/26/11 19:11	79-34-5	
Tetrachloroethene	ND	ug/m3	1.1	1.66		04/26/11 19:11	127-18-4	

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ANALYTICAL RESULTS

Project: Ambient Air (April)
Pace Project No.: 10154603

Sample: Liebold		Lab ID: 10154603005	Collected: 04/14/11 08:20	Received: 04/15/11 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Tetrahydrofuran	ND	ug/m3	1.0	1.66		04/26/11 19:11	109-99-9	
Toluene	4.1	ug/m3	1.3	1.66		04/26/11 19:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.6	1.66		04/26/11 19:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.66		04/26/11 19:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.91	1.66		04/26/11 19:11	79-00-5	
Trichloroethene	ND	ug/m3	0.91	1.66		04/26/11 19:11	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	1.66		04/26/11 19:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.66		04/26/11 19:11	76-13-1	
1,2,4-Trimethylbenzene	1.9	ug/m3	1.7	1.66		04/26/11 19:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.66		04/26/11 19:11	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	1.66		04/26/11 19:11	108-05-4	
Vinyl chloride	ND	ug/m3	0.43	1.66		04/26/11 19:11	75-01-4	
m&p-Xylene	3.0	ug/m3	2.9	1.66		04/26/11 19:11	179601-23-1	
o-Xylene	ND	ug/m3	1.5	1.66		04/26/11 19:11	95-47-6	

ANALYTICAL RESULTS

Project: Ambient Air (April)

Pace Project No.: 10154603

Sample: West Fort		Lab ID: 10154603006	Collected: 04/14/11 08:26		Received: 04/15/11 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	10.7	ug/m3	0.74	1.54		04/26/11 19:39	67-64-1	
Benzene	1.4	ug/m3	0.50	1.54		04/26/11 19:39	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	1.54		04/26/11 19:39	100-44-7	
Bromodichloromethane	ND	ug/m3	2.2	1.54		04/26/11 19:39	75-27-4	
Bromoform	ND	ug/m3	3.2	1.54		04/26/11 19:39	75-25-2	
Bromomethane	ND	ug/m3	1.2	1.54		04/26/11 19:39	74-83-9	
1,3-Butadiene	ND	ug/m3	0.69	1.54		04/26/11 19:39	106-99-0	
2-Butanone (MEK)	1.6	ug/m3	0.92	1.54		04/26/11 19:39	78-93-3	
Carbon disulfide	2.4	ug/m3	0.97	1.54		04/26/11 19:39	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.99	1.54		04/26/11 19:39	56-23-5	
Chlorobenzene	ND	ug/m3	1.4	1.54		04/26/11 19:39	108-90-7	
Chloroethane	ND	ug/m3	0.83	1.54		04/26/11 19:39	75-00-3	
Chloroform	ND	ug/m3	1.5	1.54		04/26/11 19:39	67-66-3	
Chloromethane	1.2	ug/m3	0.65	1.54		04/26/11 19:39	74-87-3	
Cyclohexane	ND	ug/m3	1.0	1.54		04/26/11 19:39	110-82-7	
Dibromochloromethane	ND	ug/m3	2.6	1.54		04/26/11 19:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.54		04/26/11 19:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	1.54		04/26/11 19:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	1.54		04/26/11 19:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	1.54		04/26/11 19:39	106-46-7	
Dichlorodifluoromethane	3.0	ug/m3	1.5	1.54		04/26/11 19:39	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.54		04/26/11 19:39	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.63	1.54		04/26/11 19:39	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	1.54		04/26/11 19:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.54		04/26/11 19:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.54		04/26/11 19:39	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.4	1.54		04/26/11 19:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.54		04/26/11 19:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.54		04/26/11 19:39	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.54		04/26/11 19:39	76-14-2	
Ethanol	21.1	ug/m3	2.9	1.54		04/26/11 19:39	64-17-5	SS
Ethyl acetate	ND	ug/m3	1.1	1.54		04/26/11 19:39	141-78-6	
Ethylbenzene	ND	ug/m3	1.4	1.54		04/26/11 19:39	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.8	1.54		04/26/11 19:39	622-96-8	
n-Heptane	ND	ug/m3	1.3	1.54		04/26/11 19:39	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.54		04/26/11 19:39	87-68-3	
n-Hexane	9.3	ug/m3	1.1	1.54		04/26/11 19:39	110-54-3	
2-Hexanone	ND	ug/m3	1.3	1.54		04/26/11 19:39	591-78-6	
Methylene Chloride	136	ug/m3	1.1	1.54		04/26/11 19:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.3	1.54		04/26/11 19:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.1	1.54		04/26/11 19:39	1634-04-4	
Naphthalene	ND	ug/m3	4.2	1.54		04/26/11 19:39	91-20-3	
2-Propanol	ND	ug/m3	3.8	1.54		04/26/11 19:39	67-63-0	
Propylene	ND	ug/m3	0.54	1.54		04/26/11 19:39	115-07-1	
Styrene	ND	ug/m3	1.3	1.54		04/26/11 19:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.54		04/26/11 19:39	79-34-5	
Tetrachloroethene	ND	ug/m3	1.1	1.54		04/26/11 19:39	127-18-4	

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ANALYTICAL RESULTS

Project: Ambient Air (April)

Pace Project No.: 10154603

Sample: West Fort		Lab ID: 10154603006	Collected: 04/14/11 08:26		Received: 04/15/11 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Tetrahydrofuran	ND	ug/m3	0.92	1.54		04/26/11 19:39	109-99-9	
Toluene	4.5	ug/m3	1.2	1.54		04/26/11 19:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.5	1.54		04/26/11 19:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.54		04/26/11 19:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.85	1.54		04/26/11 19:39	79-00-5	
Trichloroethene	ND	ug/m3	0.85	1.54		04/26/11 19:39	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.7	1.54		04/26/11 19:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.54		04/26/11 19:39	76-13-1	
1,2,4-Trimethylbenzene	2.0	ug/m3	1.5	1.54		04/26/11 19:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.54		04/26/11 19:39	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	1.54		04/26/11 19:39	108-05-4	
Vinyl chloride	ND	ug/m3	0.40	1.54		04/26/11 19:39	75-01-4	
m&p-Xylene	3.2	ug/m3	2.7	1.54		04/26/11 19:39	179601-23-1	
o-Xylene	ND	ug/m3	1.4	1.54		04/26/11 19:39	95-47-6	

QUALITY CONTROL DATA

Project: Ambient Air (April)

Pace Project No.: 10154603

QC Batch: AIR/12170 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10154603001, 10154603002, 10154603003, 10154603004, 10154603005, 10154603006

METHOD BLANK: 965631

Matrix: Air

Associated Lab Samples: 10154603001, 10154603002, 10154603003, 10154603004, 10154603005, 10154603006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	04/26/11 11:21	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	04/26/11 11:21	
1,1,2-Trichloroethane	ug/m3	ND	0.55	04/26/11 11:21	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	04/26/11 11:21	
1,1-Dichloroethane	ug/m3	ND	0.82	04/26/11 11:21	
1,1-Dichloroethene	ug/m3	ND	0.81	04/26/11 11:21	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	04/26/11 11:21	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	04/26/11 11:21	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	04/26/11 11:21	
1,2-Dichlorobenzene	ug/m3	ND	1.2	04/26/11 11:21	
1,2-Dichloroethane	ug/m3	ND	0.41	04/26/11 11:21	
1,2-Dichloropropane	ug/m3	ND	0.94	04/26/11 11:21	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	04/26/11 11:21	
1,3-Butadiene	ug/m3	ND	0.45	04/26/11 11:21	
1,3-Dichlorobenzene	ug/m3	ND	1.2	04/26/11 11:21	
1,4-Dichlorobenzene	ug/m3	ND	1.2	04/26/11 11:21	
2-Butanone (MEK)	ug/m3	ND	0.60	04/26/11 11:21	
2-Hexanone	ug/m3	ND	0.83	04/26/11 11:21	
2-Propanol	ug/m3	ND	2.5	04/26/11 11:21	
4-Ethyltoluene	ug/m3	ND	2.5	04/26/11 11:21	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	04/26/11 11:21	
Acetone	ug/m3	ND	0.48	04/26/11 11:21	
Benzene	ug/m3	ND	0.32	04/26/11 11:21	
Benzyl chloride	ug/m3	ND	1.0	04/26/11 11:21	
Bromodichloromethane	ug/m3	ND	1.4	04/26/11 11:21	
Bromoform	ug/m3	ND	2.1	04/26/11 11:21	
Bromomethane	ug/m3	ND	0.79	04/26/11 11:21	
Carbon disulfide	ug/m3	ND	0.63	04/26/11 11:21	
Carbon tetrachloride	ug/m3	ND	0.64	04/26/11 11:21	
Chlorobenzene	ug/m3	ND	0.94	04/26/11 11:21	
Chloroethane	ug/m3	ND	0.54	04/26/11 11:21	
Chloroform	ug/m3	ND	0.99	04/26/11 11:21	
Chloromethane	ug/m3	ND	0.42	04/26/11 11:21	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	04/26/11 11:21	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	04/26/11 11:21	
Cyclohexane	ug/m3	ND	0.68	04/26/11 11:21	
Dibromochloromethane	ug/m3	ND	1.7	04/26/11 11:21	
Dichlorodifluoromethane	ug/m3	ND	1.0	04/26/11 11:21	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	04/26/11 11:21	
Ethanol	ug/m3	ND	1.9	04/26/11 11:21	
Ethyl acetate	ug/m3	ND	0.73	04/26/11 11:21	
Ethylbenzene	ug/m3	ND	0.88	04/26/11 11:21	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	04/26/11 11:21	

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QUALITY CONTROL DATA

Project: Ambient Air (April)
Pace Project No.: 10154603

METHOD BLANK: 965631

Matrix: Air

Associated Lab Samples: 10154603001, 10154603002, 10154603003, 10154603004, 10154603005, 10154603006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/m3	ND	1.8	04/26/11 11:21	
Methyl-tert-butyl ether	ug/m3	ND	0.73	04/26/11 11:21	
Methylene Chloride	ug/m3	ND	0.71	04/26/11 11:21	
n-Heptane	ug/m3	ND	0.83	04/26/11 11:21	
n-Hexane	ug/m3	ND	0.72	04/26/11 11:21	
Naphthalene	ug/m3	ND	2.7	04/26/11 11:21	
o-Xylene	ug/m3	ND	0.88	04/26/11 11:21	
Propylene	ug/m3	ND	0.35	04/26/11 11:21	
Styrene	ug/m3	ND	0.87	04/26/11 11:21	
Tetrachloroethene	ug/m3	ND	0.69	04/26/11 11:21	
Tetrahydrofuran	ug/m3	ND	0.60	04/26/11 11:21	
Toluene	ug/m3	ND	0.77	04/26/11 11:21	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	04/26/11 11:21	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	04/26/11 11:21	
Trichloroethene	ug/m3	ND	0.55	04/26/11 11:21	
Trichlorofluoromethane	ug/m3	ND	1.1	04/26/11 11:21	
Vinyl acetate	ug/m3	ND	0.71	04/26/11 11:21	
Vinyl chloride	ug/m3	ND	0.26	04/26/11 11:21	

LABORATORY CONTROL SAMPLE: 965632

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	64.7	117	66-133	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	71.3	102	70-140	
1,1,2-Trichloroethane	ug/m3	55.5	53.2	96	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	85.2	109	60-137	
1,1-Dichloroethane	ug/m3	41.2	40.2	98	65-131	
1,1-Dichloroethene	ug/m3	40.3	46.1	114	65-132	
1,2,4-Trichlorobenzene	ug/m3	75.5	125	166	30-150	CH,L3
1,2,4-Trimethylbenzene	ug/m3	50	48.8	98	69-140	
1,2-Dibromoethane (EDB)	ug/m3	78.1	86.2	110	71-139	
1,2-Dichlorobenzene	ug/m3	61.2	59.1	97	68-139	
1,2-Dichloroethane	ug/m3	41.2	49.8	121	66-132	
1,2-Dichloropropane	ug/m3	47	49.7	106	69-130	
1,3,5-Trimethylbenzene	ug/m3	50	49.1	98	70-141	
1,3-Butadiene	ug/m3	22.5	24.3	108	68-128	
1,3-Dichlorobenzene	ug/m3	61.2	60.0	98	66-146	
1,4-Dichlorobenzene	ug/m3	61.2	60.1	98	66-142	
2-Butanone (MEK)	ug/m3	30	27.9	93	68-134	
2-Hexanone	ug/m3	41.7	45.9	110	70-144	
2-Propanol	ug/m3	23.8	24.0	101	66-139	
4-Ethyltoluene	ug/m3	50	49.0	98	65-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	46.1	111	70-139	
Acetone	ug/m3	24.2	26.2	108	56-142	
Benzene	ug/m3	32.5	35.0	108	69-129	

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QUALITY CONTROL DATA

Project: Ambient Air (April)
Pace Project No.: 10154603

LABORATORY CONTROL SAMPLE: 965632

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzyl chloride	ug/m3	52.5	48.7	93	68-138	
Bromodichloromethane	ug/m3	68.2	71.7	105	70-130	
Bromoform	ug/m3	105	116	111	67-147	
Bromomethane	ug/m3	39.5	37.4	95	67-127	
Carbon disulfide	ug/m3	31.7	34.2	108	65-131	
Carbon tetrachloride	ug/m3	64	71.2	111	62-137	
Chlorobenzene	ug/m3	46.8	47.3	101	72-133	
Chloroethane	ug/m3	26.8	29.1	108	66-127	
Chloroform	ug/m3	49.7	49.9	100	67-130	
Chloromethane	ug/m3	21	23.6	112	63-127	
cis-1,2-Dichloroethene	ug/m3	40.3	38.7	96	69-130	
cis-1,3-Dichloropropene	ug/m3	46.2	49.8	108	74-137	
Cyclohexane	ug/m3	35	37.6	107	69-137	
Dibromochloromethane	ug/m3	86.6	99.4	115	69-140	
Dichlorodifluoromethane	ug/m3	50.3	56.6	113	62-131	
Dichlorotetrafluoroethane	ug/m3	71.1	78.5	110	63-130	
Ethanol	ug/m3	19.2	20.5	107	63-135 SS	
Ethyl acetate	ug/m3	36.6	37.3	102	70-135	
Ethylbenzene	ug/m3	44.2	44.8	101	71-141	
Hexachloro-1,3-butadiene	ug/m3	108	222	205	30-150 CH,L3	
m&p-Xylene	ug/m3	88.3	89.9	102	68-144	
Methyl-tert-butyl ether	ug/m3	36.7	33.5	91	54-136	
Methylene Chloride	ug/m3	35.3	40.7	115	56-143	
n-Heptane	ug/m3	41.7	40.3	97	72-130	
n-Hexane	ug/m3	35.8	38.9	108	68-130	
Naphthalene	ug/m3	53.3	83.3	156	30-150 CH,L1	
o-Xylene	ug/m3	44.2	49.7	113	70-141	
Propylene	ug/m3	17.5	19.4	111	61-139	
Styrene	ug/m3	43.3	43.5	100	68-145	
Tetrachloroethene	ug/m3	69	72.0	104	64-142	
Tetrahydrofuran	ug/m3	30	31.6	105	70-134 SS	
Toluene	ug/m3	38.3	35.3	92	69-133	
trans-1,2-Dichloroethene	ug/m3	40.3	44.8	111	64-132	
trans-1,3-Dichloropropene	ug/m3	46.2	47.9	104	71-140	
Trichloroethene	ug/m3	54.6	56.4	103	68-132	
Trichlorofluoromethane	ug/m3	57.1	67.4	118	59-136	
Vinyl acetate	ug/m3	35.8	36.5	102	70-142	
Vinyl chloride	ug/m3	26	28.5	110	64-129	

SAMPLE DUPLICATE: 965932

Parameter	Units	10154557001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		30	
1,1,2-Trichloroethane	ug/m3	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		30	
1,1-Dichloroethane	ug/m3	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Ambient Air (April)

Pace Project No.: 10154603

SAMPLE DUPLICATE: 965932

Parameter	Units	10154557001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/m3	ND	ND		30	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		30	
1,2,4-Trimethylbenzene	ug/m3	4.0	4.2	6	30	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		30	
1,2-Dichlorobenzene	ug/m3	ND	ND		30	
1,2-Dichloroethane	ug/m3	ND	ND		30	
1,2-Dichloropropane	ug/m3	ND	ND		30	
1,3,5-Trimethylbenzene	ug/m3	ND	1.3		30	
1,3-Butadiene	ug/m3	ND	ND		30	
1,3-Dichlorobenzene	ug/m3	ND	ND		30	
1,4-Dichlorobenzene	ug/m3	ND	ND		30	
2-Butanone (MEK)	ug/m3	2.9	2.9	.8	30	
2-Hexanone	ug/m3	ND	ND		30	
2-Propanol	ug/m3	ND	2.9J		30	
4-Ethyltoluene	ug/m3	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		30	
Acetone	ug/m3	14.4	14.9	3	30	
Benzene	ug/m3	1.8	1.9	5	30	
Benzyl chloride	ug/m3	ND	ND		30	
Bromodichloromethane	ug/m3	ND	ND		30	
Bromoform	ug/m3	ND	ND		30	
Bromomethane	ug/m3	ND	ND		30	
Carbon disulfide	ug/m3	ND	ND		30	
Carbon tetrachloride	ug/m3	0.95	0.93	2	30	
Chlorobenzene	ug/m3	ND	ND		30	
Chloroethane	ug/m3	ND	ND		30	
Chloroform	ug/m3	ND	ND		30	
Chloromethane	ug/m3	0.94	0.97	3	30	
cis-1,2-Dichloroethene	ug/m3	ND	ND		30	
cis-1,3-Dichloropropene	ug/m3	ND	ND		30	
Cyclohexane	ug/m3	ND	ND		30	
Dibromochloromethane	ug/m3	ND	ND		30	
Dichlorodifluoromethane	ug/m3	2.7	2.8	6	30	
Dichlorotetrafluoroethane	ug/m3	ND	ND		30	
Ethanol	ug/m3	13.4	14.1	5	30	SS
Ethyl acetate	ug/m3	1.3	ND		30	
Ethylbenzene	ug/m3	ND	1.2		30	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		30	
m&p-Xylene	ug/m3	2.6	2.8	5	30	
Methyl-tert-butyl ether	ug/m3	ND	ND		30	
Methylene Chloride	ug/m3	2.1	1.5	31	30	R1
n-Heptane	ug/m3	ND	ND		30	
n-Hexane	ug/m3	ND	ND		30	
Naphthalene	ug/m3	ND	3.3J		30	
o-Xylene	ug/m3	ND	ND		30	
Propylene	ug/m3	ND	ND		30	
Styrene	ug/m3	ND	ND		30	
Tetrachloroethene	ug/m3	2.8	3.0	5	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Ambient Air (April)

Pace Project No.: 10154603

SAMPLE DUPLICATE: 965932

Parameter	Units	10154557001 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrahydrofuran	ug/m3	ND	ND		30	
Toluene	ug/m3	2.1	2.2	4	30	
trans-1,2-Dichloroethene	ug/m3	ND	ND		30	
trans-1,3-Dichloropropene	ug/m3	ND	ND		30	
Trichloroethene	ug/m3	ND	ND		30	
Trichlorofluoromethane	ug/m3	2.6	2.4	6	30	
Vinyl acetate	ug/m3	ND	ND		30	
Vinyl chloride	ug/m3	ND	ND		30	

QUALIFIERS

Project: Ambient Air (April)
Pace Project No.: 10154603

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.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
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.
R1	RPD value was outside control limits.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

10154603

Section A Required Client Information:			Section B Required Project Information:			Section C Invoice Information:		
Company: Marathon			Report To: Honor Sheard			Attention:		
Address: 1300 Fort St			Copy To:			Company Name:		
City: Detroit MI 48217			Purchase Order No.:			Address:		
Email To: HFSheard@marathonil.com			Project Name: ambient air (April)			Pace Quote Reference:		
Phone: 313-297-5388			Project Number:			Pace Project Manager/Sales Rep.		
Requested Due Date/TAT: Standard			Valid Media Codes			Pace Profile #:		
Section D Required Client Information			Valid Media Codes			Pace Profile #:		
AIR SAMPLE ID			MEDIA CODE			Pace Profile #:		
Sample IDs MUST BE UNIQUE			MEDIA CODE			Pace Profile #:		
East Fort			41C			Pace Profile #:		
I-75			41C			Pace Profile #:		
Patricia			41C			Pace Profile #:		
Liddesdale			41C			Pace Profile #:		
Liebold			41C			Pace Profile #:		
West Fort			41C			Pace Profile #:		

ITEM #	COLLECTED		Summa Can Number	Flow Control Number	RELINQUISHED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS				
	DATE	TIME			DATE	TIME	DATE	TIME	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact			
1	4/13/11	1017	1017	4/14/11	0807	265	10154603001	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15
2	4/13/11	1024	1024	4/14/11	0811	30	10154603002	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15
3	4/13/11	1025	1025	4/14/11	0814	30	10154603003	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15
4	4/13/11	1035	1035	4/14/11	0817	30	10154603004	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15
5	4/13/11	1041	1041	4/14/11	0820	30	10154603005	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15
6	4/13/11	1050	1050	4/14/11	0822	30	10154603006	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15	4/15/11	09:15

Method:		Report Level		II		III		IV		Other	
PM10		3C: Fixed Gas (%)		TO-3M (Methano)		TO-4 (PCBs)		TO-13 (PAH)		TO-15 Short List	

Location of Sampling by State		MI		Other	
Reporting Units		ug/m ³		mg/m ³	

Program		UST		Superfund		Emissions		Clean Air Act	
Voluntary Clean Up <td colspan="2">Dry Clean<td colspan="2">RCRA<td colspan="2">Other<td colspan="2">Other</td></td></td></td>		Dry Clean <td colspan="2">RCRA<td colspan="2">Other<td colspan="2">Other</td></td></td>		RCRA <td colspan="2">Other<td colspan="2">Other</td></td>		Other <td colspan="2">Other</td>		Other	

Pace Lab ID		10154603001		002		003		004		005		006	
Temp in °C		Y/N		Y/N		Y/N		Y/N		Y/N		Y/N	
Received on Ice		Y/N		Y/N		Y/N		Y/N		Y/N		Y/N	
Custody Sealed Cooler		Y/N		Y/N		Y/N		Y/N		Y/N		Y/N	
Samples Intact		Y/N		Y/N		Y/N		Y/N		Y/N		Y/N	

Comments :

ORIGINAL

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

FC046Rev.01, 03Feb2010



AIR Sample Condition Upon Receipt

Client Name: MARATHONProject # 10154603Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ noPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other _____Tracking #: 87541741 4769, 4780

Comments:

Date and Initials of person examining contents: 4-15-11 AK

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media:	<u>AR(CAN)</u>	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received: 8CANS, 8FCL'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>EAST FORT</u>	<u>1616</u>		<u>FC0227</u>				
<u>I-75</u>	<u>1050</u>		<u>FC0046</u>				
<u>PATRICIA</u>	<u>1658</u>		<u>FC0027</u>				
<u>LINDSEY</u>	<u>2058</u>		<u>FC0215</u>				
<u>LIEBOLD</u>	<u>1234</u>		<u>FC0235</u>				
<u>WEST FORT</u>	<u>1190</u>		<u>FC0028</u>				
	<u>0278</u>		<u>FC0360</u>	<u>RECEIVED BARKER</u>			
	<u>0966</u>		<u>FC0258</u>				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AKDate: 4/18/11

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)