



Fw: Air Quality Data from 101 South Lawrence Street, Montgomery, AL

Ofia Hodoh to: Debbie Jourdan

09/26/2011 08:56 AM

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----- Forwarded by Ofia Hodoh/R4/USEPA/US on 09/26/2011 08:56 AM -----

From: Ofia Hodoh/R4/USEPA/US
To: Scott Miller/R4/USEPA/US@EPA
Date: 07/26/2011 09:58 AM
Subject: Re: Fw: Air Quality Data from 101 South Lawrence Street, Montgomery, AL

Scott, attached you will find the table "Capitol City Plume Risk Exceedances_revised072611". The only revision to the table is the inclusion of the analyte TCE, which was added to show that EMSL did performed analysis for this compound. Based on the initial screen of the data in November of 2010 and current re-screening of the data, all TCE samples were non-detects, based on a instrument reporting limit (RL) of 2.7 ug/m3, which is below our industrial air screening RSL of 6.1 ug/m3 and RAL of 610 ug/m3. The lab analysis was sensitive enough to detect TCE at human health levels sufficient for industrial air screening. Based on this "one-time" screening analysis, TCE is not a problem for this building.



Capitol City Plume Risk Exceedances_revised072611.xlsx

Ofia Hodoh, M.S.
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Scott Miller

Scott Miller Remedial Project Manager

07/26/2011 09:13:56 AM

From: Scott Miller/R4/USEPA/US
To: Ofia Hodoh/R4/USEPA/US@EPA
Date: 07/26/2011 09:13 AM
Subject: Fw: Air Quality Data from 101 South Lawrence Street, Montgomery, AL

Scott Miller
Remedial Project Manager
Superfund Division

Superfund Remedial Branch
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U.S. EPA Region 4
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----- Forwarded by Scott Miller/R4/USEPA/US on 07/26/2011 09:14 AM -----

From: Scott Miller/R4/USEPA/US
To: Haynes Kelley <hkelley@emcinc.net>
Date: 12/14/2010 09:53 AM
Subject: Re: Air Quality Data from 101 South Lawrence Street, Montgomery, AL

Haynes,
Thank you!
Scott Miller
Remedial Project Manager
Superfund Division
Superfund Remedial Branch
Section C
U.S. EPA Region 4
61 Forsyth Street, SW
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Phone (404) 562-9120
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-----Haynes Kelley <hkelley@emcinc.net> wrote: -----

To: Scott Miller/R4/USEPA/US@EPA
From: Haynes Kelley <hkelley@emcinc.net>
Date: 12/14/2010 09:45AM
Subject: Re: Air Quality Data from 101 South Lawrence Street, Montgomery, AL

I forgot that the EMSL's COC for TO-15 analyses doesn't provide a place for sample locations. They are shown below.

SAMPLE NO.	FLOOR/LEVEL	SAMPLING LOCATION
3082-11/16/10-01	third	outside, south roof at air intake for HVAC serving Purchasing
3082-11/16/10-02	second	Probate
3082-11/16/10-03	second	Revenue
3082-11/16/10-04	first	County Commission file room
3082-11/16/10-05	first	Purchasing conference room
3082-11/16/10-06	first	Finance
3082-11/16/10-07	mezzanine	Purchasing Director's office
3082-11/16/10-08	mezzanine	Lawrence Street lobby
3082-11/16/10-09	basement	Maintenance office
3082-11/16/10-10	basement	Archives storage room
3082-11/16/10-11	basement	Archives

3082-11/16/10-12] basement |outside, northwest corner of building

I don't have the data in a spreadsheet format. The pdf document I forwarded to you is what I got from EMSL.

Haynes

W. Haynes Kelley, Jr., P.E.
Environmental-Materials Consultants, Inc.
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On Dec 14, 2010, at 6:47 AM, Miller.Scott@epamail.epa.gov wrote:

Mr. Kelley,
Do you have this data in a spreadsheet format that you could send? (such as Microsoft excel)
Thanks,
Scott Miller
Remedial Project Manager
Superfund Division
Superfund Remedial Branch
Section C
U.S. EPA Region 4
61 Forsyth Street, SW
Atlanta, GA 30303
Phone (404) 562-9120
Fax (404) 562-8896

-----Haynes Kelley <hkelley@emcinc.net> wrote: -----

To: Scott Miller/R4/USEPA/US@EPA
From: Haynes Kelley <hkelley@emcinc.net>
Date: 12/13/2010 06:13PM
Cc: "Donald L. Mims., CPA" <donaldmims@mc-ala.org>
Subject: Re: Air Quality Data from 101 South Lawrence Street, Montgomery, AL

Mr. Miller,
I enjoyed speaking with Mr. Bowden, and meeting Mr. Noah and Mr. Crow, and I appreciate very much all their assistance. I did received the analytical report, and sent it to Mr. Mims last week with the understanding that he would forward it to you. I spoke with him a minute ago and learned that he has been short-staffed and has had to be focused on other issues. He asked that I send you the report, and I have attached it.

W. Haynes Kelley, Jr., P.E.
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CONFIDENTIALITY NOTICE: This e-mail and any attachments are for the exclusive and confidential use of the intended recipient. If you received this transmission in error please do not read or distribute it. Instead, please notify me immediately by return e-mail and promptly delete this message and its attachments from your computer system.

On Dec 13, 2010, at 12:20 PM, Miller.Scott@epamail.epa.gov wrote:

Hello Mr. Kelley,
Greetings, had a chance to speak with the folks whom you met from our

SESD lab in Athens. They were most complementary of your technique in sampling the building located at 101 South Lawrence Street in Montgomery. Have you received the data back from the most recent sampling that took place there?

Thanks,

Scott Miller

Remedial Project Manager

Superfund Division

Superfund Remedial Branch

Section C

U.S. EPA Region 4

61 Forsyth Street, SW

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[attachment "491000976 Binder1.pdf" removed by Scott Miller/R4/USEPA/US]

Compound	C/NC	RSL	RAL	REL	976-1						976-2					
					conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL	conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL
1,2,4-Trimethylbenzene	NC	3.1E+01	9.3E+01													
Acetone	NC	1.4E+05	4.2E+05		12				no		19					no
Benzaldehyde (TIC)	NC															
n-Butane (TIC)*				1.9E+06												
Chloro-1,1-difluoroethane,1 (TIC)	NC	2.2E+05	6.6E+05													
Chloromethane	NC	3.9E+02	1.2E+03		1.1				no							
Cyclohexane	NC	2.6E+04	7.8E+04													
Dibromochloromethane	C	4.5E-01	4.5E+01													
Dichlorodifluoromethane (Freon 12)	NC	8.8E+02	2.6E+03													
Difluoroethane, 1,1 (TIC)	NC	1.8E+05	5.4E+05		9.9				no		39					no
Difluorochloromethane (TIC)*				3.5E+06												
Ethanol*				1.9E+06	24					no	110					no
Ethylbenzene	C	4.9E+00	4.9E+02													
Hexanal (TIC)																
Isobutane (TIC)*				1.9E+06												
Isopropyl alcohol (2-propanol)	NC	3.1E+04	9.3E+04		31				no		32					no
Limonene (TIC)											5.8	NSL	NSL	NSL	NSL	NSL
Methyl Ethyl Ketone (2-Butanone)	NC	2.2E+04	6.6E+04													
Methylene chloride	C	2.6E+01	2.6E+03		4.4	no	no	no			1.9	no	no	no		
Naphthalene (TIC)	C	3.6E-01	3.6E+01													
Nonanal (TIC)																
Pentane, n (TIC)	NC	4.E+03	1.3E+04													
Propylene	NC	1.3E+04	3.9E+04								5.2					no
Tetrachloroethylene (PCE)	C	2.1E+00	2.1E+02													
Toluene	NC	2.2E+04	6.6E+04		3.5				no		4					no
Trichloroethylene (TCE)	C	6.1E+00	6.1E+02													
Undecane (TIC)																
Xylene	NC	4.4E+02	1.3E+03													
Xylene-o	NC	3.1E+03	9.3E+03													

RSL - Regional Screening Level (1E-6 for C; 1.0 for NC)

RAL - Removal Action Level (1E-4 for C; 3.0 for NC)

*NIOSH REL - NIOSH Recommended Exposure Limits (RELs)

not to be exceeded for up to a 10-hour workday during a 40-hour workweek.

C - Carcinogen

NC - Noncarcinogen

NSL - No Screening Level

TIC - Tentatively Identified Compound

Compound	C/NC	RSL	RAL	REL	976-3						976-4					
					conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL	conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL
1,2,4-Trimethylbenzene	NC	3.1E+01	9.3E+01													
Acetone	NC	1.4E+05	4.2E+05		14				no		20				no	
Benzaldehyde (TIC)	NC															
n-Butane (TIC)*				1.9E+06												
Chloro-1,1-difluoroethane,1 (TIC)	NC	2.2E+05	6.6E+05								44				no	
Chloromethane	NC	3.9E+02	1.2E+03		1.5				no							
Cyclohexane	NC	2.6E+04	7.8E+04													
Dibromochloromethane	C	4.5E-01	4.5E+01													
Dichlorodifluoromethane (Freon 12)	NC	8.8E+02	2.6E+03								5.4				no	
Difluoroethane, 1,1 (TIC)	NC	1.8E+05	5.4E+05		35				no							
Difluorochloromethane (TIC)*				3.5E+06												
Ethanol*				1.9E+06	95					no	140					no
Ethylbenzene	C	4.9E+00	4.9E+02													
Hexanal (TIC)																
Isobutane (TIC)*				1.9E+06	8.6					no						
Isopropyl alcohol (2-propanol)	NC	3.1E+04	9.3E+04		39				no		12				no	
Limonene (TIC)																
Methyl Ethyl Ketone (2-Butanone)	NC	2.2E+04	6.6E+04													
Methylene chloride	C	2.6E+01	2.6E+03													
Naphthalene (TIC)	C	3.6E-01	3.6E+01													
Nonanal (TIC)																
Pentane, n (TIC)	NC	4.E+03	1.3E+04													
Propylene	NC	1.3E+04	3.9E+04													
Tetrachloroethylene (PCE)	C	2.1E+00	2.1E+02													
Toluene	NC	2.2E+04	6.6E+04		2.3				no		4.1				no	
Trichloroethylene (TCE)	C	6.1E+00	6.1E+02													
Undecane (TIC)																
Xylene	NC	4.4E+02	1.3E+03													
Xylene-o	NC	3.1E+03	9.3E+03													

RSL - Regional Screening Level (1E-6 for C; 1.0 for NC)

RAL - Removal Action Level (1E-4 for C; 3.0 for NC)

*NIOSH REL - NIOSH Recommended Exposure Limits (RELs)

not to be exceeded for up to a 10-hour workday during a 40-hour workweek.

C - Carcinogen

NC - Noncarcinogen

NSL - No Screening Level

TIC - Tentatively Identified Compound

Compound	C/NC	RSL	RAL	REL	976-5					976-6						
					conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL	conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL
1,2,4-Trimethylbenzene	NC	3.1E+01	9.3E+01													
Acetone	NC	1.4E+05	4.2E+05		14				no		19					no
Benzaldehyde (TIC)	NC															
n-Butane (TIC)*				1.9E+06												
Chloro-1,1-difluoroethane, 1 (TIC)	NC	2.2E+05	6.6E+05		49				no		65					no
Chloromethane	NC	3.9E+02	1.2E+03		1.3				no		1.4					no
Cyclohexane	NC	2.6E+04	7.8E+04													
Dibromochloromethane	C	4.5E-01	4.5E+01													
Dichlorodifluoromethane (Freon 12)	NC	8.8E+02	2.6E+03		2.6				no		3.6					no
Difluoroethane, 1,1 (TIC)	NC	1.8E+05	5.4E+05													
Difluorochloromethane (TIC)*				3.5E+06												
Ethanol*				1.9E+06	250					no	150					no
Ethylbenzene	C	4.9E+00	4.9E+02													
Hexanal (TIC)																
Isobutane (TIC)*				1.9E+06												
Isopropyl alcohol (2-propanol)	NC	3.1E+04	9.3E+04		29				no		16					no
Limonene (TIC)																
Methyl Ethyl Ketone (2-Butanone)	NC	2.2E+04	6.6E+04													
Methylene chloride	C	2.6E+01	2.6E+03													
Naphthalene (TIC)	C	3.6E-01	3.6E+01													
Nonanal (TIC)					7.8	NSL	NSL	NSL	NSL	NSL	6.1	NSL	NSL	NSL	NSL	NSL
Pentane, n (TIC)	NC	4.E+03	1.3E+04		3.1				no							
Propylene	NC	1.3E+04	3.9E+04													
Tetrachloroethylene (PCE)	C	2.1E+00	2.1E+02													
Toluene	NC	2.2E+04	6.6E+04		3.3				no		3.4					no
Trichloroethylene (TCE)	C	6.1E+00	6.1E+02													
Undecane (TIC)																
Xylene	NC	4.4E+02	1.3E+03													
Xylene-o	NC	3.1E+03	9.3E+03													

RSL - Regional Screening Level (1E-6 for C; 1.0 for NC)

RAL - Removal Action Level (1E-4 for C; 3.0 for NC)

*NIOSH REL - NIOSH Recommended Exposure Limits (RELs)

not to be exceeded for up to a 10-hour workday during a 40-hour workweek.

C - Carcinogen

NC - Noncarcinogen

NSL - No Screening Level

TIC - Tentatively Identified Compound

Compound	C/NC	RSL	RAL	REL	976-7						976-8					
					conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL	conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL
1,2,4-Trimethylbenzene	NC	3.1E+01	9.3E+01													
Acetone	NC	1.4E+05	4.2E+05		15				no		17					no
Benzaldehyde (TIC)	NC															
n-Butane (TIC)*				1.9E+06												
Chloro-1,1-difluoroethane,1 (TIC)	NC	2.2E+05	6.6E+05		66				no		38					no
Chloromethane	NC	3.9E+02	1.2E+03		1.4				no		1.3					no
Cyclohexane	NC	2.6E+04	7.8E+04													
Dibromochloromethane	C	4.5E-01	4.5E+01													
Dichlorodifluoromethane (Freon 12)	NC	8.8E+02	2.6E+03		2.7				no		3.5					no
Difluoroethane, 1,1 (TIC)	NC	1.8E+05	5.4E+05													
Difluorochloromethane (TIC)*				3.5E+06												
Ethanol*				1.9E+06	320				no		130					no
Ethylbenzene	C	4.9E+00	4.9E+02													
Hexanal (TIC)																
Isobutane (TIC)*				1.9E+06												
Isopropyl alcohol (2-propanol)	NC	3.1E+04	9.3E+04		34				no		31					no
Limonene (TIC)																
Methyl Ethyl Ketone (2-Butanone)	NC	2.2E+04	6.6E+04													
Methylene chloride	C	2.6E+01	2.6E+03								1.9	no	no	no		
Naphthalene (TIC)	C	3.6E-01	3.6E+01		6.1	YES	YES	no								
Nonanal (TIC)					8.4	NSL	NSL	NSL	NSL	NSL						
Pentane, n (TIC)	NC	4.E+03	1.3E+04								3					no
Propylene	NC	1.3E+04	3.9E+04													
Tetrachloroethylene (PCE)	C	2.1E+00	2.1E+02													
Toluene	NC	2.2E+04	6.6E+04		4.6				no		2.7					no
Trichloroethylene (TCE)	C	6.1E+00	6.1E+02													
Undecane (TIC)																
Xylene	NC	4.4E+02	1.3E+03													
Xylene-o	NC	3.1E+03	9.3E+03													

RSL - Regional Screening Level (1E-6 for C; 1.0 for NC)

RAL - Removal Action Level (1E-4 for C; 3.0 for NC)

*NIOSH REL - NIOSH Recommended Exposure Limits (RELs)

not to be exceeded for up to a 10-hour workday during a 40-hour workweek.

C - Carcinogen

NC - Noncarcinogen

NSL - No Screening Level

TIC - Tentatively Identified Compound

Compound	C/NC	RSL	RAL	REL	976-9					976-10						
					conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL	conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL
1,2,4-Trimethylbenzene	NC	3.1E+01	9.3E+01													
Acetone	NC	1.4E+05	4.2E+05		21				no		33					no
Benzaldehyde (TIC)	NC															
n-Butane (TIC)*				1.9E+06							8.7					no
Chloro-1,1-difluoroethane,1 (TIC)	NC	2.2E+05	6.6E+05		81				no		640					no
Chloromethane	NC	3.9E+02	1.2E+03		1.4				no		1.9					no
Cyclohexane	NC	2.6E+04	7.8E+04													
Dibromochloromethane	C	4.5E-01	4.5E+01							10	YES	YES	no			
Dichlorodifluoromethane (Freon 12)	NC	8.8E+02	2.6E+03		2.9				no		14					no
Difluoroethane, 1,1 (TIC)	NC	1.8E+05	5.4E+05													
Difluorochloromethane (TIC)*				3.5E+06												
Ethanol*				1.9E+06	130				no		140					no
Ethylbenzene	C	4.9E+00	4.9E+02							6.3	YES	no	no			
Hexanal (TIC)										4.9	NSL	NSL	NSL	NSL	NSL	NSL
Isobutane (TIC)*				1.9E+06												
Isopropyl alcohol (2-propanol)	NC	3.1E+04	9.3E+04		35				no		37					no
Limonene (TIC)																
Methyl Ethyl Ketone (2-Butanone)	NC	2.2E+04	6.6E+04								2.2					no
Methylene chloride	C	2.6E+01	2.6E+03		3.9	no	no	no								
Naphthalene (TIC)	C	3.6E-01	3.6E+01													
Nonanal (TIC)																
Pentane, n (TIC)	NC	4.E+03	1.3E+04													
Propylene	NC	1.3E+04	3.9E+04													
Tetrachloroethylene (PCE)	C	2.1E+00	2.1E+02							13	YES	no	no			
Toluene	NC	2.2E+04	6.6E+04		2.2				no		4.4					no
Trichloroethylene (TCE)	C	6.1E+00	6.1E+02													
Undecane (TIC)																
Xylene	NC	4.4E+02	1.3E+03								16					no
Xylene-o	NC	3.1E+03	9.3E+03								3.4					no

RSL - Regional Screening Level (1E-6 for C; 1.0 for NC)

RAL - Removal Action Level (1E-4 for C; 3.0 for NC)

*NIOSH REL - NIOSH Recommended Exposure Limits (RELs)

not to be exceeded for up to a 10-hour workday during a 40-hour workweek.

C - Carcinogen

NC - Noncarcinogen

NSL - No Screening Level

TIC - Tentatively Identified Compound

Compound	C/NC	RSL	RAL	REL	976-11					976-12				
					conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4	Exceed HQ=1	Exceed REL	conc (ug/m3)	Exceed 1E-6	Exceed 1E-5	Exceed 1E-4
1,2,4-Trimethylbenzene	NC	3.1E+01	9.3E+01		2.7				no					
Acetone	NC	1.4E+05	4.2E+05		39				no		6.7			no
Benzaldehyde (TIC)	NC				5.4				NSL	NSL				
n-Butane (TIC)*				1.9E+06	28					no				
Chloro-1,1-difluoroethane,1 (TIC)	NC	2.2E+05	6.6E+05		240				no					
Chloromethane	NC	3.9E+02	1.2E+03		1.8				no		1.4			no
Cyclohexane	NC	2.6E+04	7.8E+04		1.9				no					
Dibromochloromethane	C	4.5E-01	4.5E+01											
Dichlorodifluoromethane (Freon 12)	NC	8.8E+02	2.6E+03		3.6				no					
Difluoroethane, 1,1 (TIC)	NC	1.8E+05	5.4E+05											
Difluorochloromethane (TIC)*				3.5E+06							11			
Ethanol*				1.9E+06	370					no	7.3			
Ethylbenzene	C	4.9E+00	4.9E+02											
Hexanal (TIC)					4.4	NSL	NSL	NSL	NSL	NSL				
Isobutane (TIC)*				1.9E+06										
Isopropyl alcohol (2-propanol)	NC	3.1E+04	9.3E+04		160				no		1.9			no
Limonene (TIC)														
Methyl Ethyl Ketone (2-Butanone)	NC	2.2E+04	6.6E+04		2				no					
Methylene chloride	C	2.6E+01	2.6E+03											
Naphthalene (TIC)	C	3.6E-01	3.6E+01											
Nonanal (TIC)					6.6	NSL	NSL	NSL	NSL	NSL				
Pentane, n (TIC)	NC	4.E+03	1.3E+04		4.8				no					
Propylene	NC	1.3E+04	3.9E+04											
Tetrachloroethylene (PCE)	C	2.1E+00	2.1E+02		4.8	YES	no	no						
Toluene	NC	2.2E+04	6.6E+04		4.5				no		2			no
Trichloroethylene (TCE)	C	6.1E+00	6.1E+02											
Undecane (TIC)					6.8	NSL	NSL	NSL	NSL	NSL				
Xylene	NC	4.4E+02	1.3E+03		5.5				no					
Xylene-o	NC	3.1E+03	9.3E+03											

RSL - Regional Screening Level (1E-6 for C; 1.0 for NC)

RAL - Removal Action Level (1E-4 for C; 3.0 for NC)

*NIOSH REL - NIOSH Recommended Exposure Limits (RELs)

not to be exceeded for up to a 10-hour workday during a 40-hour workweek.

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Compound	C/NC	RSL	RAL	REL	Exceed REL
1,2,4-Trimethylbenzene	NC	3.1E+01	9.3E+01		
Acetone	NC	1.4E+05	4.2E+05		
Benzaldehyde (TIC)	NC				
n-Butane (TIC)*				1.9E+06	
Chloro-1,1-difluoroethane,1 (TIC)	NC	2.2E+05	6.6E+05		
Chloromethane	NC	3.9E+02	1.2E+03		
Cyclohexane	NC	2.6E+04	7.8E+04		
Dibromochloromethane	C	4.5E-01	4.5E+01		
Dichlorodifluoromethane (Freon 12)	NC	8.8E+02	2.6E+03		
Difluoroethane, 1,1 (TIC)	NC	1.8E+05	5.4E+05		
Difluorochloromethane (TIC)*				3.5E+06	no
Ethanol*				1.9E+06	no
Ethylbenzene	C	4.9E+00	4.9E+02		
Hexanal (TIC)					
Isobutane (TIC)*				1.9E+06	
Isopropyl alcohol (2-propanol)	NC	3.1E+04	9.3E+04		
Limonene (TIC)					
Methyl Ethyl Ketone (2-Butanone)	NC	2.2E+04	6.6E+04		
Methylene chloride	C	2.6E+01	2.6E+03		
Naphthalene (TIC)	C	3.6E-01	3.6E+01		
Nonanal (TIC)					
Pentane, n (TIC)	NC	4.E+03	1.3E+04		
Propylene	NC	1.3E+04	3.9E+04		
Tetrachloroethylene (PCE)	C	2.1E+00	2.1E+02		
Toluene	NC	2.2E+04	6.6E+04		
Trichloroethylene (TCE)	C	6.1E+00	6.1E+02		
Undecane (TIC)					
Xylene	NC	4.4E+02	1.3E+03		
Xylene-o	NC	3.1E+03	9.3E+03		

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