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Analysis of Field-Collected Air Samples

Customer and Project Information

Report Certification	
Report number	061-027-IH-Nov1815
Report date	November 18, 2015
Certified by (Name/Title)	Raja Tannous, Laboratory Director
Signature	
Date	*November 20, 2015*

Methods	
U.S. EPA TO-17	Determination of Volatile Organic Compounds in Ambient...
ASTM D 5197	Std. Test Method for Determination of Formaldehyde...

Customer Information	
Customer:	US EPA
City/State/Country	San Francisco, CA, USA
Contact name/Title	Jeff Woodlee
Phone number	415-972-3740

Project Information	
Project number	Not given
Project name	IAQ 75 Hawthorne
Project location	Not given
Project date	November 12 & 13, 2015

Laboratory Receiving Information	
Date samples received by lab	November 16, 2015
Condition of samples	No observed problems
Lab tracking numbers	061-027-01 to 061-027-20

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Sample Information

Sample No.	Sample Description	Sampler No.	Date Collected	Volume (L)	Analysis Type	Specified Method
C7-01	16333	A10989	November 10, 2015	6.209	Caprolactam	TO-17
C7-02	16362	F081526	November 10, 2015	6.197	Caprolactam	TO-17
C7-03	16418	F079068	November 10, 2015	6.204	Caprolactam	TO-17
C7-04	15332	F090370	November 10, 2015	4.513	Caprolactam	TO-17
C7-05	15219	F078098	November 10, 2015	5.026	Caprolactam	TO-17
C7-06	15112	A10957	November 10, 2015	4.713	Caprolactam	TO-17
C7-07	14183	A10960	November 10, 2015	4.266	Caprolactam	TO-17
C7-08	14444	A10972	November 10, 2015	5.280	Caprolactam	TO-17
C7-09	14364	A10955	November 10, 2015	4.323	Caprolactam	TO-17
C7-10	12142	A10975	November 10, 2015	4.936	Caprolactam	TO-17
F7-01	16333	Waters Cart	November 10, 2015	59.57	Formaldehyde	D 5197
F7-02	16362	Waters Cart	November 10, 2015	61.00	Formaldehyde	D 5197
F7-03	16418	Waters Cart	November 10, 2015	58.21	Formaldehyde	D 5197
F7-04	15332	Waters Cart	November 10, 2015	43.46	Formaldehyde	D 5197
F7-05	15219	Waters Cart	November 10, 2015	49.68	Formaldehyde	D 5197
F7-06	15112	Waters Cart	November 10, 2015	44.42	Formaldehyde	D 5197
F7-07	14183	Waters Cart	November 10, 2015	41.48	Formaldehyde	D 5197
F7-08	14444	Waters Cart	November 10, 2015	51.77	Formaldehyde	D 5197
F7-09	14364	Waters Cart	November 10, 2015	40.59	Formaldehyde	D 5197
F7-10	12142	Waters Cart	November 10, 2015	48.07	Formaldehyde	D 5197

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Analytical Information

Sample No.	Lab Track. No.	Method	Date Analyzed	Analyst	Data File
C7-01	061-027-01	TO-17	November 13, 2015	R. Gill	T151117_11
C7-02	061-027-02	TO-17	November 13, 2015	R. Gill	T151117_12
C7-03	061-027-03	TO-17	November 13, 2015	R. Gill	T151117_13
C7-04	061-027-04	TO-17	November 13, 2015	R. Gill	T151117_14
C7-05	061-027-05	TO-17	November 13, 2015	R. Gill	T151118_01
C7-06	061-027-06	TO-17	November 13, 2015	R. Gill	T151117_16
C7-07	061-027-07	TO-17	November 13, 2015	R. Gill	T151117_17
C7-08	061-027-08	TO-17	November 13, 2015	R. Gill	T151117_18
C7-09	061-027-09	TO-17	November 13, 2015	R. Gill	T151117_19
C7-10	061-027-10	TO-17	November 13, 2015	R. Gill	T151117_20
F7-01	061-027-11	D 5197	November 17, 2015	T.Cheng	151119\151119003.D
F7-02	061-027-12	D 5197	November 17, 2015	T.Cheng	151119\151119004.D
F7-03	061-027-13	D 5197	November 17, 2015	T.Cheng	151119\151119005.D
F7-04	061-027-14	D 5197	November 17, 2015	T.Cheng	151119\151119006.D
F7-05	061-027-15	D 5197	November 17, 2015	T.Cheng	151119\151119007.D
F7-06	061-027-16	D 5197	November 17, 2015	T.Cheng	151119\151119008.D
F7-07	061-027-17	D 5197	November 17, 2015	T.Cheng	151119\151119009.D
F7-08	061-027-18	D 5197	November 17, 2015	T.Cheng	151119\151119011.D
F7-09	061-027-19	D 5197	November 17, 2015	T.Cheng	151119\151119012.D
F7-10	061-027-20	D 5197	November 17, 2015	T.Cheng	151119\151119013.D

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Project Specific Information

Air samples for the analysis of formaldehyde (CAS # 50-00-0) and caprolactam (CAS # 105-60-2) were received by the laboratory on November 16, 2015. There were ten DNPH cartridges for the analysis of formaldehyde and there were ten multi-sorbent tubes for Caprolactam analysis. The analytical results are reported in Tables 1 – 2. All laboratory data, including but not limited to raw instrument files, calibration files, and quality control checks used to generate the results will be made available to the customer upon request.

Formaldehyde was analyzed by HPLC and quantified using multi-point (4 or more points) calibration curve.

MDL and LOQ – Method detection limit (MDL) for formaldehyde of 15 nanograms was determined from the analysis of ten replicates of the low level standard spiked onto DNPH cartridges; The practical lower limit of quantitation (LOQ) is three times the MDL.

Uncertainty – The laboratory uses the ISO GUM method to estimate the uncertainties associated with the measurement of formaldehyde. The expanded uncertainty is equal to two times the relative standard deviation. For 2015, the expanded uncertainty estimated for formaldehyde was <9.0%.

The multisorbent air samples were analyzed for VOCs following U.S. EPA Compendium Method TO-17. Individual VOCs (iVOCs) were quantified using multi-point (4 or more points) with calibration curves prepared with pure standards, unless otherwise noted.

MDL and LOQ – Method detection limit (MDL) of 3.9 nanograms for caprolactam was determined from the analysis of three replicates of the low level standard spiked onto multisorbent air sampling tubes; The practical lower limit of quantitation (LOQ) is three times the MDL.

Uncertainty – The laboratory uses the ISO GUM method to estimate the uncertainties associated with the measurement of VOCs . The expanded uncertainty is equal to two times the relative standard deviation. For 2015, the expanded uncertainty estimated for caprolactam was 11%.

All test methods used in this project are contained in the scope of Berkeley Analytical's ISO/IEC 17025 accreditation (TL-383, International Accreditation Service, Inc.).

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Results

Table 1. Quantitative analysis of formaldehyde (CAS #50-00-0)

Sample No.	Sample Name	Volume (L)	Mass (ng)	Conc (µg/m^3)	Conc* (ppb)
F7-01	16333	59.57	397	6.7	5.4
F7-02	16362	61.00	447	7.3	6.0
F7-03	16418	58.21	359	6.2	5.0
F7-04	15332	43.46	381	8.8	7.1
F7-05	15219	49.68	604	12.2	9.9
F7-06	15112	44.42	422	9.5	7.7
F7-07	14183	41.48	433	10.4	8.5
F7-08	14444	51.77	414	8.0	6.5
F7-09	14364	40.59	349	8.6	7.0
F7-10	12142	48.07	463	9.6	7.9

Concentration in ppb calculated assuming standard conditions of 25° C and 101.3 kPa.

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Table 2. Quantitative analysis of Caprolactam (CAS # 105-60-2).

Sample No.	Sample Name	Volume (L)	Mass* (ng)	Conc (µg/m³)
C7-01	16333	6.209	37.2	6.0
C7-02	16362	6.197	55.1	8.9
C7-03	16418	6.204	38.3	6.2
C7-04	15332	4.513	59.2	13.1
C7-05	15219	5.026	53.0	10.6
C7-06	15112	4.713	47.6	10.1
C7-07	14183	4.266	41.0	9.6
C7-08	14444	5.280	35.2	6.7
C7-09	14364	4.323	51.0	11.8
C7-10	12142	4.936	45.0	9.1

END OF REPORT

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CHAIN-OF-CUSTODY RECORD
for ANALYTICAL SERVICES
2009 Update

Client Information*			
Company:	US EPA		
Street Address:	75 HAWTHORNE ST		
City/State/Zip Code:	SAN FRANCISCO, CA		
Country:		Contact (for reporting):	Jeff Woodlee
Project/Job Name:	IAQ 75 HAWTHORNE		
Project/Job #:		P.O. #:	
Phone:	(415) 972-3740	Fax:	
E-mail address:	Woodlee.Jeff@epa.gov		

Received from BAA (check if applicable)	
Multi-sorbent tube samplers	☑
Aldehyde cartridge samplers	☑
Sampling pump(s)	☐
Other materials (specify):	☐

BAA Analysis Code	
Total VOCs by GC/MS total-ion-current method (TIC)	a
Qualitative GC/MS of individual VOCs	b
Qualitative GC/MS plus quantitation of up to 15 individual VOCs	c
Quantitative GC/MS analysis of target list of compounds	d
Quantitative GC/MS Total VOCs plus 4-PCH	e
Quantitative HPLC analysis of formaldehyde	f
Quantitative HPLC analysis of formaldehyde & acetaldehyde	g
Quantitative HPLC analysis of formaldehyde & C2-C9 carbonyls	h
Quantitative HPLC analysis of glutaraldehyde	i
	k
Other (specify):	z

Air Sampling Record

Tube/Cartridge Sampler No.	Collected Sample ID	Date Collected	Collection Minutes	Collected Volume (L)	Sample Location / Description / Remarks	Analysis Code	BAA Remarks
A10989	C7-01	11/12	64	6.209	16333	Caprolactam	
F081526	C7-02	↓	65	6.197	16362	↓	
F079048	C7-03	↓	63	6.204	16418	↓	
F090370	C7-04	11/13	47	4.513	15332	↓	
F078098	C7-05	↓	53	5.026	15219	↓	
A10957	C7-06	↓	48	4.713	15112	↓	
A10960	C7-07	↓	45	4.266	14183	↓	
A10972	C7-08	↓	55	5.280	14444	↓	
A10955	C7-09	↓	44	4.323	14364	↓	
A10975	C7-10	↓	52	4.936	12142	↓	

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
J Woodlee			11/16	USEPA
	L Gill		11/16/11	BAA

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Project/Job Name:	IAQ 75 HAWTHORNE	
Project/Job #:	P.O. #:	
Phone: (415) 972-3740	Fax:	
E-mail address:	woodlee.jeff@epa.gov	

Received from BAA (check if applicable)	
Multi-sorbent tube samplers	☑
Aldehyde cartridge samplers	☑
Sampling pump(s)	☐
Other materials (specify):	☐

BAA Analysis Code	
Total VOCs by GC/MS total-ion-current method (TIC)	a
Qualitative GC/MS of individual VOCs	b
Qualitative GC/MS plus quantitation of up to 15 individual VOCs	c
Quantitative GC/MS analysis of target list of compounds	d
Quantitative GC/MS Total VOCs plus 4-PCH	e
Quantitative HPLC analysis of formaldehyde	f
Quantitative HPLC analysis of formaldehyde & acetaldehyde	g
Quantitative HPLC analysis of formaldehyde & C2-C9 carbonyls	h
Quantitative HPLC analysis of glutaraldehyde	i
	k
Other (specify):	z

Air Sampling Record

Tube/Cartridge Sampler No.	Collected Sample ID	Date Collected	Collection Minutes	Collected Volume (L)	Sample Location / Description / Remarks	Analysis Code	BAA Remarks
	F7-01	11/12	64	59.57	16333	f	
	F7-02	↓	65	61.00	16362	f	
	F7-03	↓	63	58.21	16418	f	
	F7-04	11/13	47	43.46	15332	f	
	F7-05	↓	53	49.68	15219	f	
	F7-06	↓	48	44.42	15112	f	
	F7-07	↓	45	41.48	14183	f	
	F7-08	↓	55	51.77	14444	f	
	F7-09	↓	44	40.59	14364	f	
	F7-10	↓	52	48.07	12142	f	

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
J Woodlee			11/16	USEPA
	RGill		11/16	BICA

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Phone: (415) 972-3740	Fax:	
E-mail address:	woodlee.jeff@epa.gov	

Received from BAA (check if applicable)	
Multi-sorbent tube samplers	☑
Aldehyde cartridge samplers	☑
Sampling pump(s)	☐
Other materials (specify):	☐

BAA Analysis Code	
Total VOCs by GC/MS total-ion-current method (TIC)	a
Qualitative GC/MS of individual VOCs	b
Qualitative GC/MS plus quantitation of up to 15 individual VOCs	c
Quantitative GC/MS analysis of target list of compounds	d
Quantitative GC/MS Total VOCs plus 4-PCH	e
Quantitative HPLC analysis of formaldehyde	f
Quantitative HPLC analysis of formaldehyde & acetaldehyde	g
Quantitative HPLC analysis of formaldehyde & C2-C9 carbonyls	h
Quantitative HPLC analysis of glutaraldehyde	i
	k
Other (specify):	z

Air Sampling Record

Tube/Cartridge Sampler No.	Collected Sample ID	Date Collected	Collection Minutes	Collected Volume (L)	Sample Location / Description / Remarks	Analysis Code	BAA Remarks
A10989	C7-01	11/12	64	6.209	16333	Caprolactam	
F081526	C7-02	↓	65	6.197	16362	↓	
F079048	C7-03	↓	63	6.204	16418	↓	
F090370	C7-04	11/13	47	4.513	15332	↓	
F078098	C7-05	↓	53	5.026	15219	↓	
A10957	C7-06	↓	48	4.713	15112	↓	
A10960	C7-07	↓	45	4.266	14183	↓	
A10972	C7-08	↓	55	5.280	14444	↓	
A10955	C7-09	↓	44	4.323	14364	↓	
A10975	C7-10	↓	52	4.936	12142	↓	

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
J Woodlee			11/16	USEPA
	R Gill		11/16/15	BAA

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Phone:	(415) 972-3740	Fax:	
E-mail address:	woodlee.jeff@epa.gov		

Received from BAA (check if applicable)	
Multi-sorbent tube samplers	☑
Aldehyde cartridge samplers	☑
Sampling pump(s)	☐
Other materials (specify):	☐

BAA Analysis Code	
Total VOCs by GC/MS total-ion-current method (TIC)	a
Qualitative GC/MS of individual VOCs	b
Qualitative GC/MS plus quantitation of up to 15 individual VOCs	c
Quantitative GC/MS analysis of target list of compounds	d
Quantitative GC/MS Total VOCs plus 4-PCH	e
Quantitative HPLC analysis of formaldehyde	f
Quantitative HPLC analysis of formaldehyde & acetaldehyde	g
Quantitative HPLC analysis of formaldehyde & C2-C9 carbonyls	h
Quantitative HPLC analysis of glutaraldehyde	i
	k
Other (specify):	z

Air Sampling Record

Tube/Cartridge Sampler No.	Collected Sample ID	Date Collected	Collection Minutes	Collected Volume (L)	Sample Location / Description / Remarks	Analysis Code	BAA Remarks
	F7-01	11/12	64	59.57	16333	f	
	F7-02	↓	65	61.00	16362	f	
	F7-03	↓	63	58.21	16418	f	
	F7-04	11/13	47	43.46	15332	f	
	F7-05	↓	53	49.68	15219	f	
	F7-06	↓	48	44.42	15112	f	
	F7-07	↓	45	41.48	14183	f	
	F7-08	↓	55	51.77	14444	f	
	F7-09	↓	44	40.59	14364	f	
	F7-10	↓	52	48.07	12142	f	

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
J Woodlee			11/16	USEPA
	[illegible]		11/16	BICA

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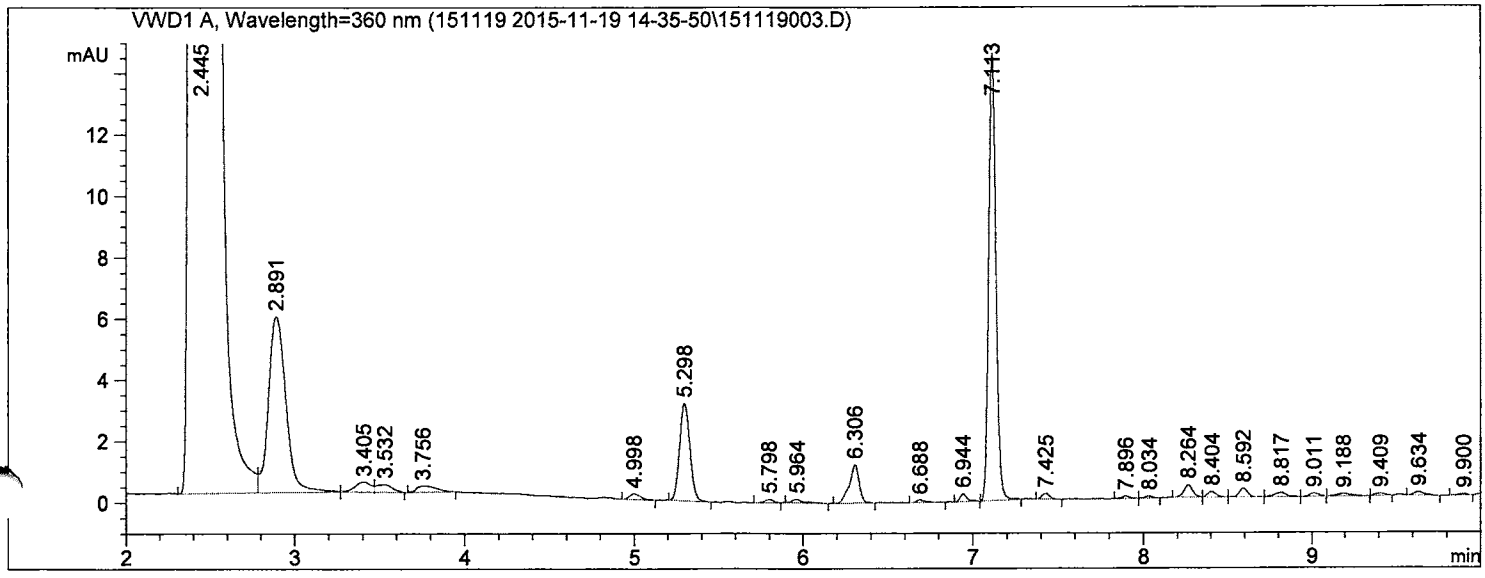
Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119003.D
Sample Name: 061-027-11

==========

Acq. Operator : SYSTEM Seq. Line : 2
Acq. Instrument : Agilent 1260 Location : Vial 32
Injection Date : 11/19/2015 3:09:59 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-11; F7-01; 11/12/2015; 16333; 59.57L



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External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.298	1	BB	13.40260	1.48143e-2	397.10039		Formaldehyde;50-00-0
6.306	1	BB	5.05882	1.89429e-2	191.65701		Acetaldehyde;75-07-0

Totals : 588.75740

==========

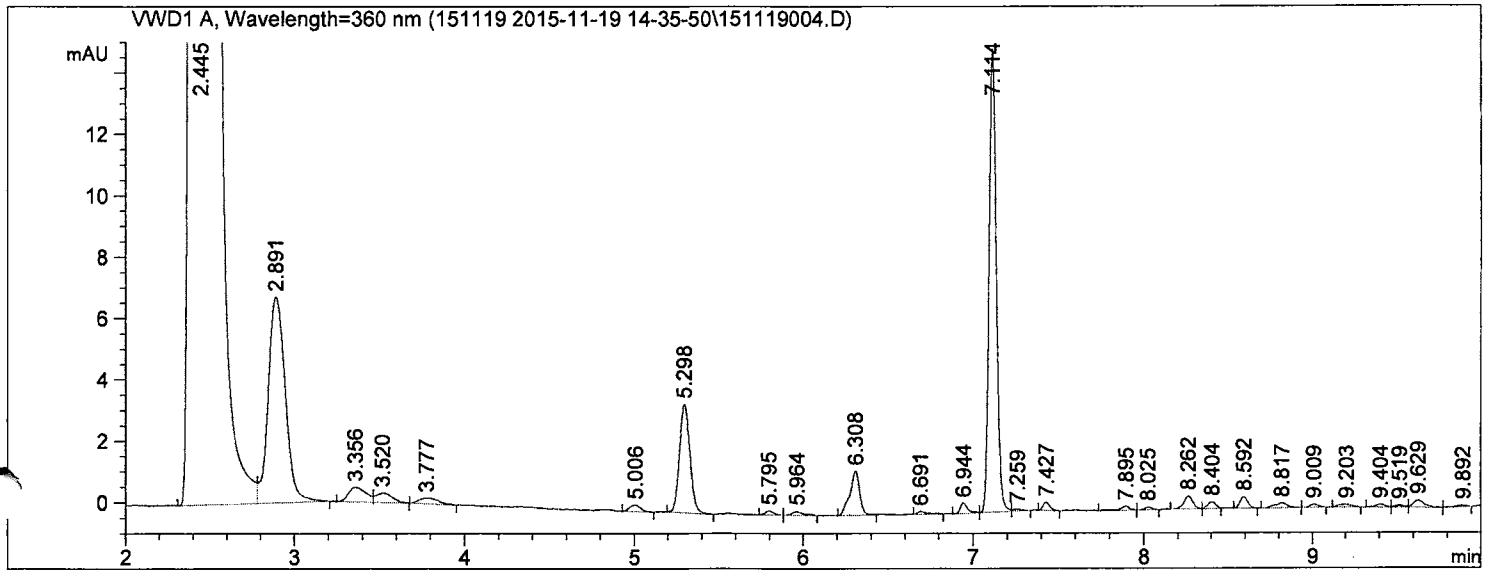
*** End of Report ***

Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119004.D
Sample Name: 061-027-12

==========

Acq. Operator : SYSTEM Seq. Line : 3
Acq. Instrument : Agilent 1260 Location : Vial 33
Injection Date : 11/19/2015 3:26:38 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-12; F7-02; 11/12/2015; 16362; 61.0L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWDl A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.298	1	BB	15.07044	1.48143e-2	446.51604		Formaldehyde;50-00-0
6.308	1	BB	5.70023	1.89429e-2	215.95738		Acetaldehyde;75-07-0

Totals : 662.47342

==========

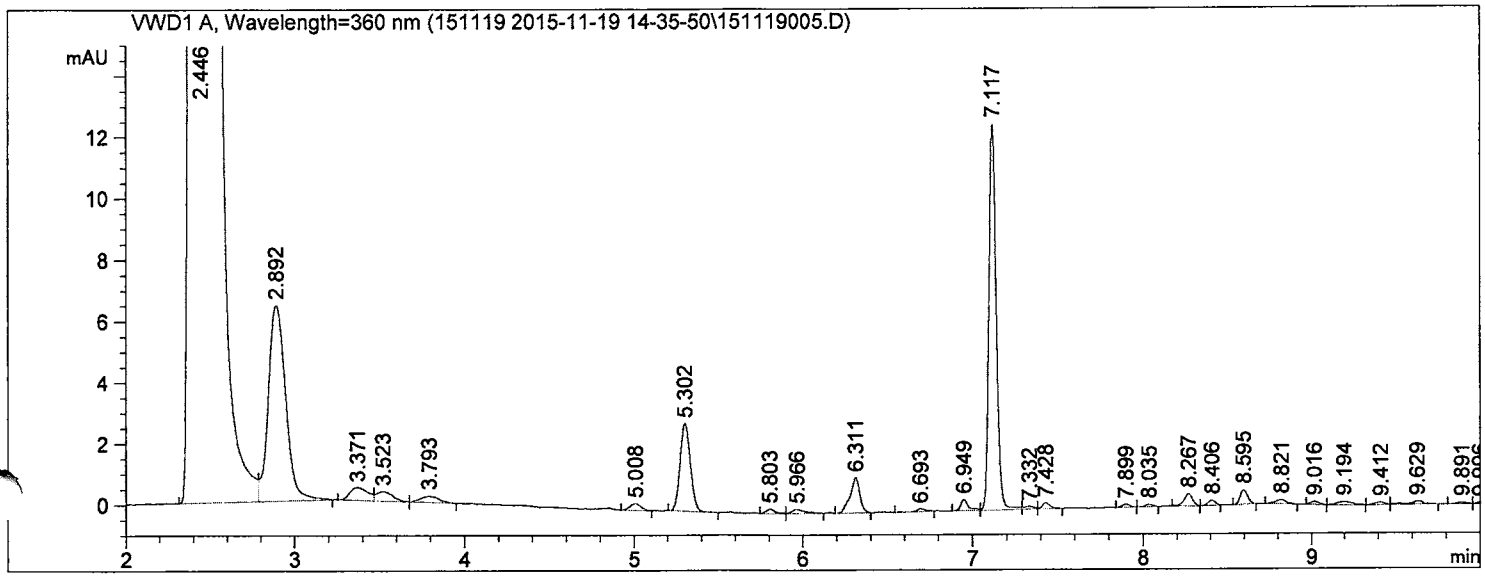
*** End of Report ***

Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119005.D
Sample Name: 061-027-13

==========

Acq. Operator : SYSTEM Seq. Line : 4
Acq. Instrument : Agilent 1260 Location : Vial 34
Injection Date : 11/19/2015 3:43:18 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-13; F7-03; 11/12/2015; 16418; 58.21L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.302	1	BB	12.10940	1.48143e-2	358.78458		Formaldehyde;50-00-0
6.311	1	BB	4.64070	1.89429e-2	175.81653		Acetaldehyde;75-07-0

Totals : 534.60111

==========

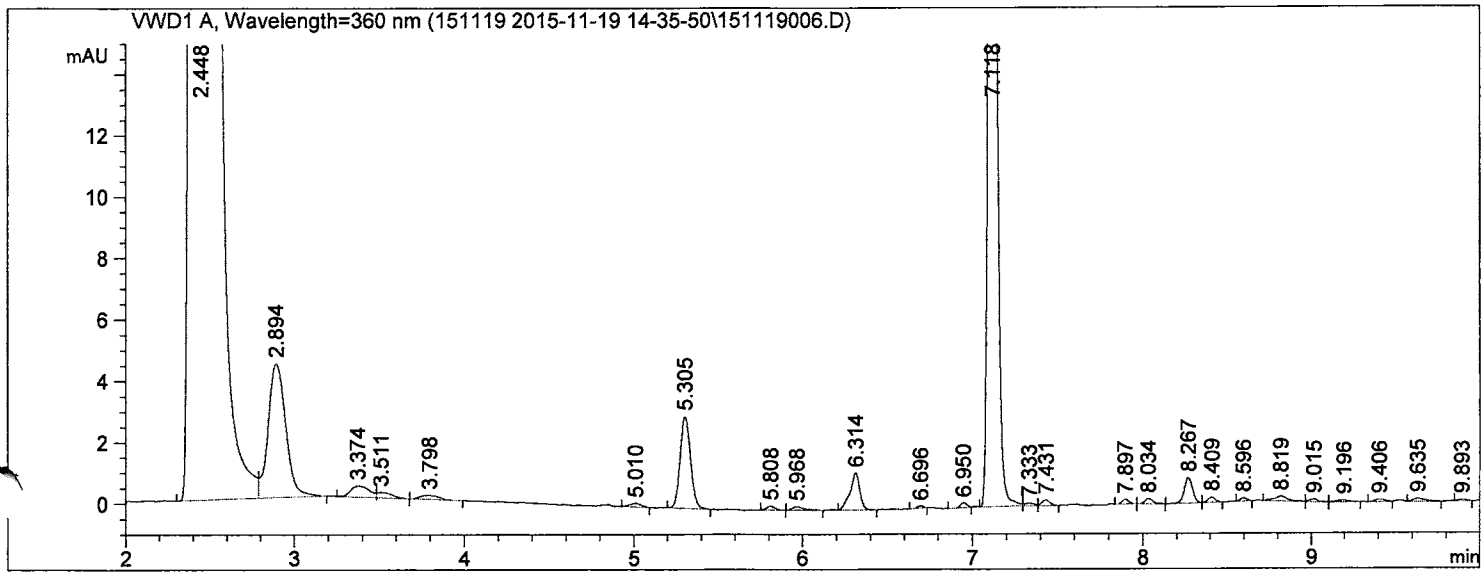
*** End of Report ***

Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119006.D
Sample Name: 061-027-14

==========

Acq. Operator : SYSTEM Seq. Line : 5
Acq. Instrument : Agilent 1260 Location : Vial 35
Injection Date : 11/19/2015 4:00:00 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-14; F7-04; 11/12/2015; 15332; 43.46L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.305	1	BB	12.84818	1.48143e-2	380.67357		Formaldehyde;50-00-0
6.314	1	BB	4.88057	1.89429e-2	184.90399		Acetaldehyde;75-07-0

Totals : 565.57756

==========

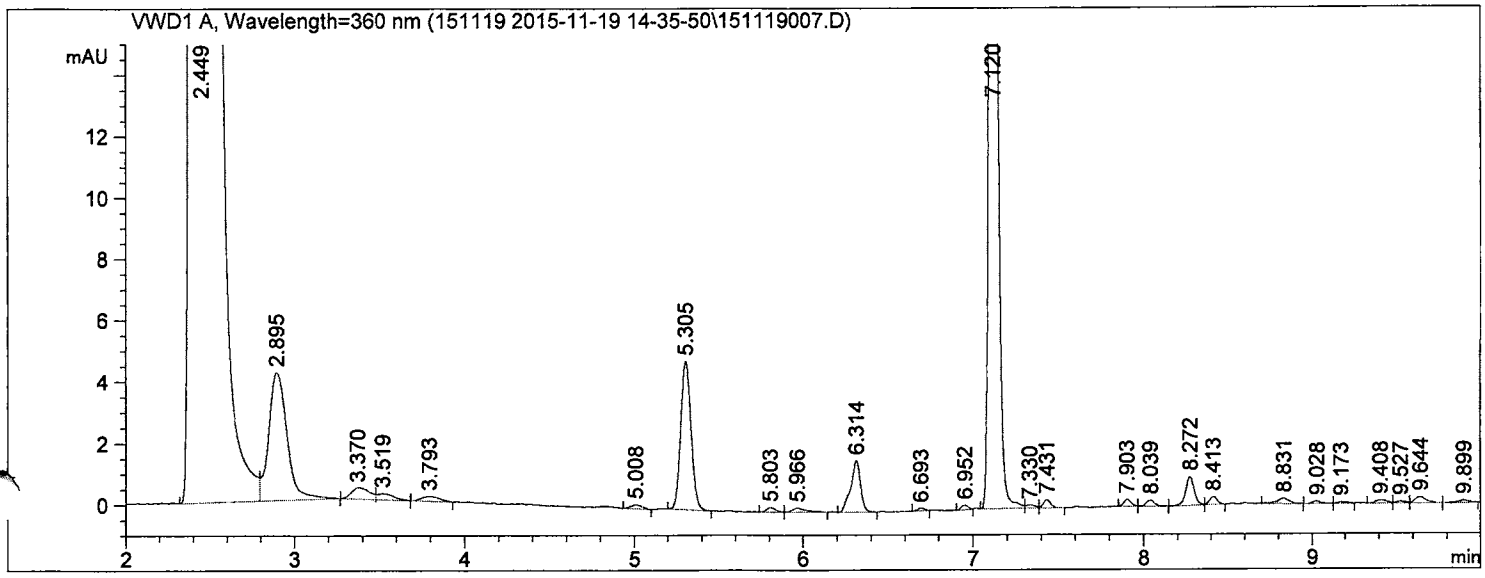
*** End of Report ***

Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119007.D
Sample Name: 061-027-15

==========

Acq. Operator : SYSTEM Seq. Line : 6
Acq. Instrument : Agilent 1260 Location : Vial 36
Injection Date : 11/19/2015 4:16:41 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-15; F7-05; 11/12/2015; 15219; 49.68L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.305	1	BB	20.40170	1.48143e-2	604.47402		Formaldehyde;50-00-0
6.314	1	BV	6.74665	1.89429e-2	255.60199		Acetaldehyde;75-07-0

Totals : 860.07601

==========

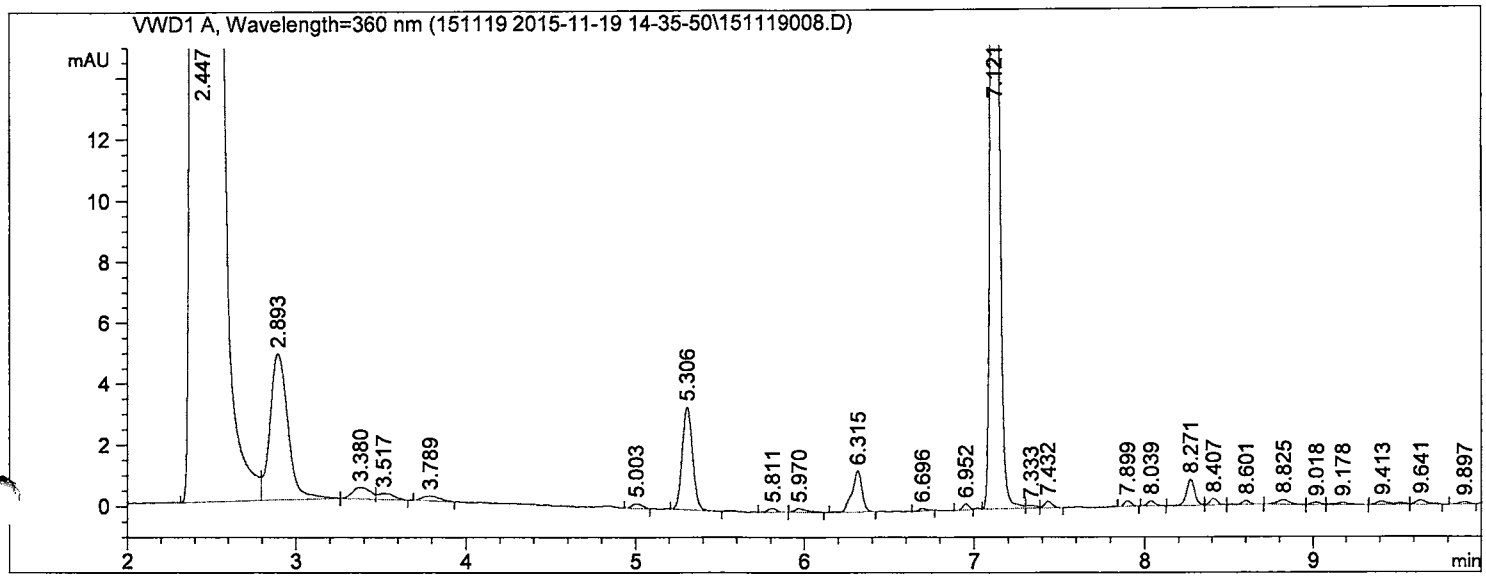
*** End of Report ***

Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119008.D
Sample Name: 061-027-16

==========

Acq. Operator : SYSTEM
Seq. Line : 7
Acq. Instrument : Agilent 1260
Location : Vial 37
Injection Date : 11/19/2015 4:33:22 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-16; F7-06; 11/12/2015; 15112; 44.42L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.306	1	BB	14.24232	1.48143e-2	421.97991		Formaldehyde;50-00-0
6.315	1	BB	5.49678	1.89429e-2	208.24959		Acetaldehyde;75-07-0

Totals : 630.22950

==========

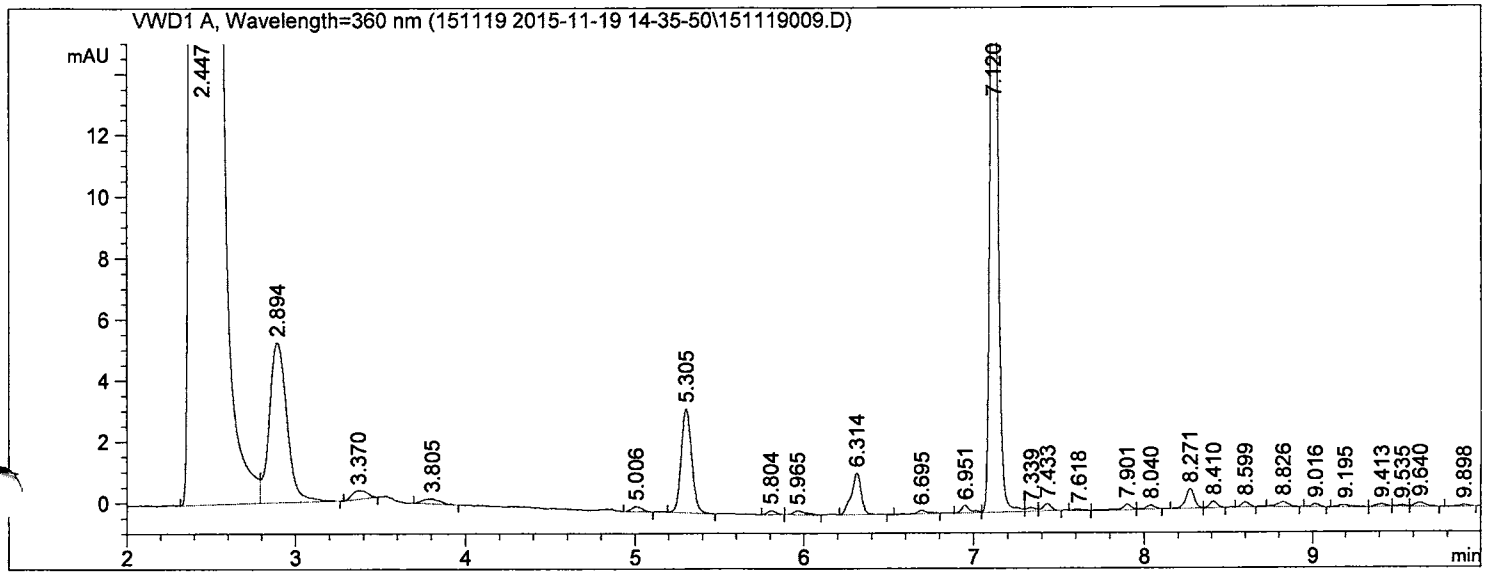
*** End of Report ***

Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119009.D
Sample Name: 061-027-17

==========

Acq. Operator : SYSTEM Seq. Line : 8
Acq. Instrument : Agilent 1260 Location : Vial 38
Injection Date : 11/19/2015 4:50:04 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-17; F7-07; 11/12/2015; 14183; 41.48L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.305	1	BB	14.60131	1.48143e-2	432.61656		Formaldehyde;50-00-0
6.314	1	BB	5.51893	1.89429e-2	209.08883		Acetaldehyde;75-07-0

Totals : 641.70539

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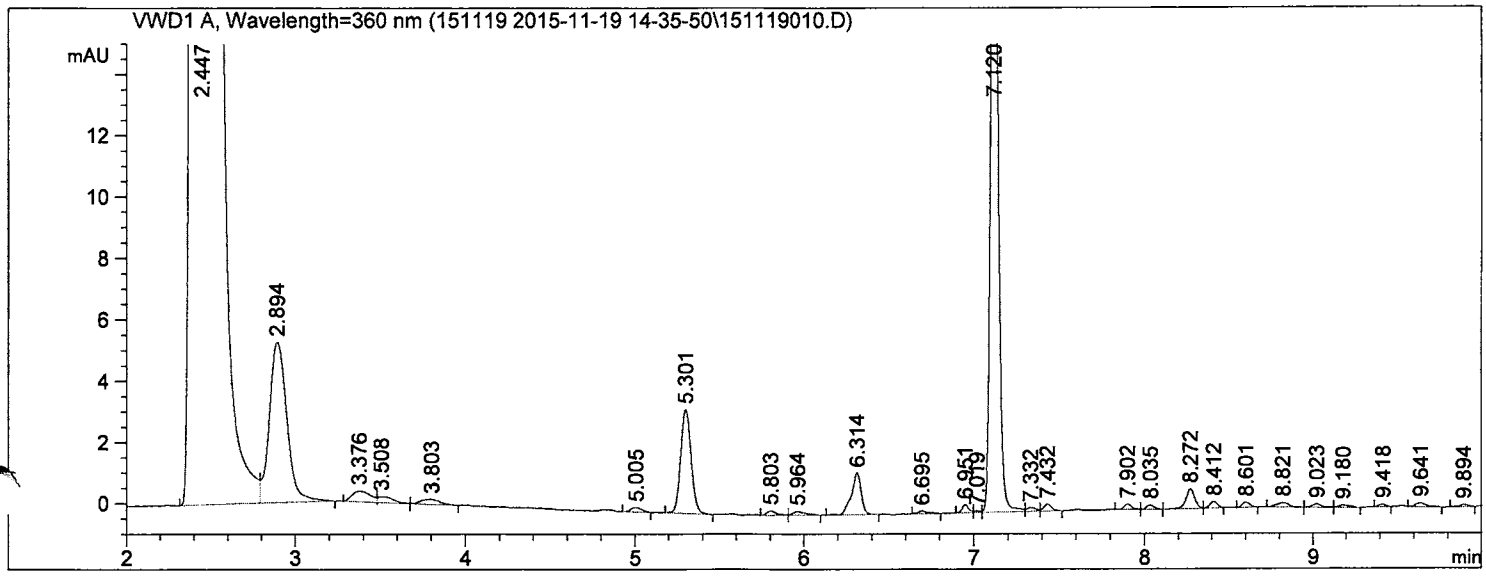
*** End of Report ***

Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119010.D
Sample Name: 061-027-17

==========

Acq. Operator : SYSTEM Seq. Line : 8
Acq. Instrument : Agilent 1260 Location : Vial 38
Injection Date : 11/19/2015 5:06:45 PM Inj : 2
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-17; F7-07; 11/12/2015; 14183; 41.48L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.301	1	BB	14.55712	1.48143e-2	431.30723		Formaldehyde;50-00-0
6.314	1	BB	5.57313	1.89429e-2	211.14219		Acetaldehyde;75-07-0

Totals : 642.44942

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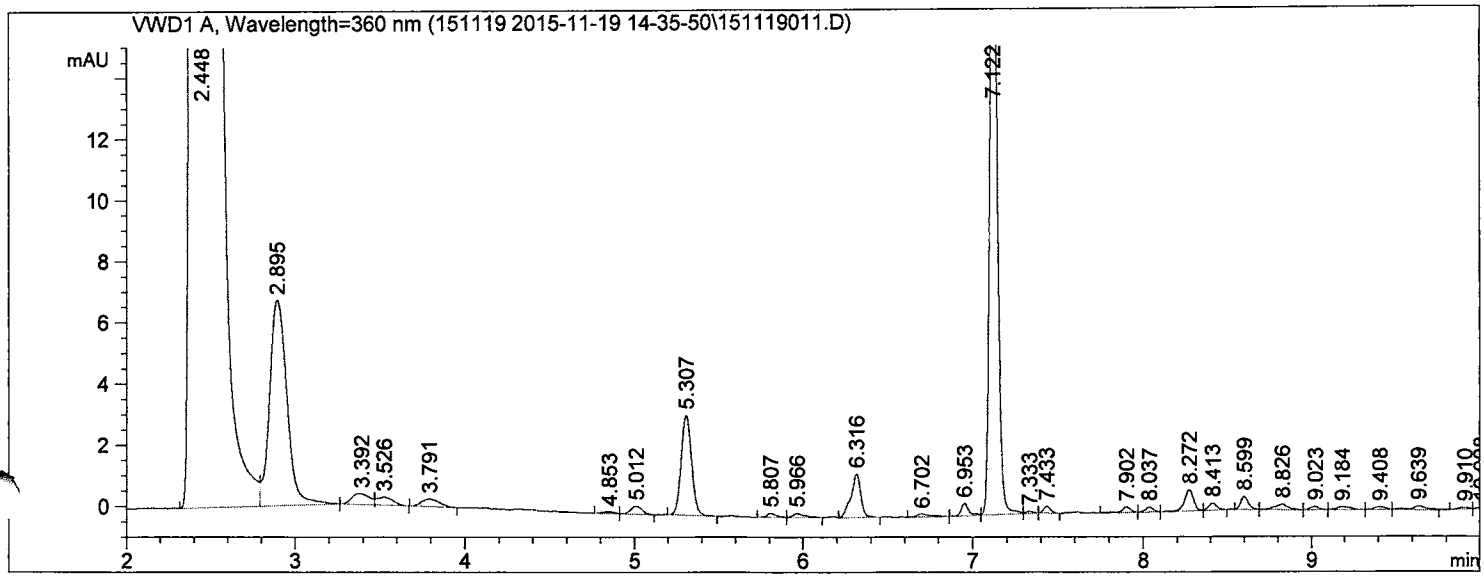
*** End of Report ***

Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119011.D
Sample Name: 061-027-18

==========

Acq. Operator : SYSTEM Seq. Line : 9
Acq. Instrument : Agilent 1260 Location : Vial 39
Injection Date : 11/19/2015 5:23:24 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-18; F7-08; 11/12/2015; 14444; 51.77L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.307	1	BB	13.96221	1.48143e-2	413.68086		Formaldehyde;50-00-0
6.316	1	BB	5.75540	1.89429e-2	218.04777		Acetaldehyde;75-07-0

Totals : 631.72863

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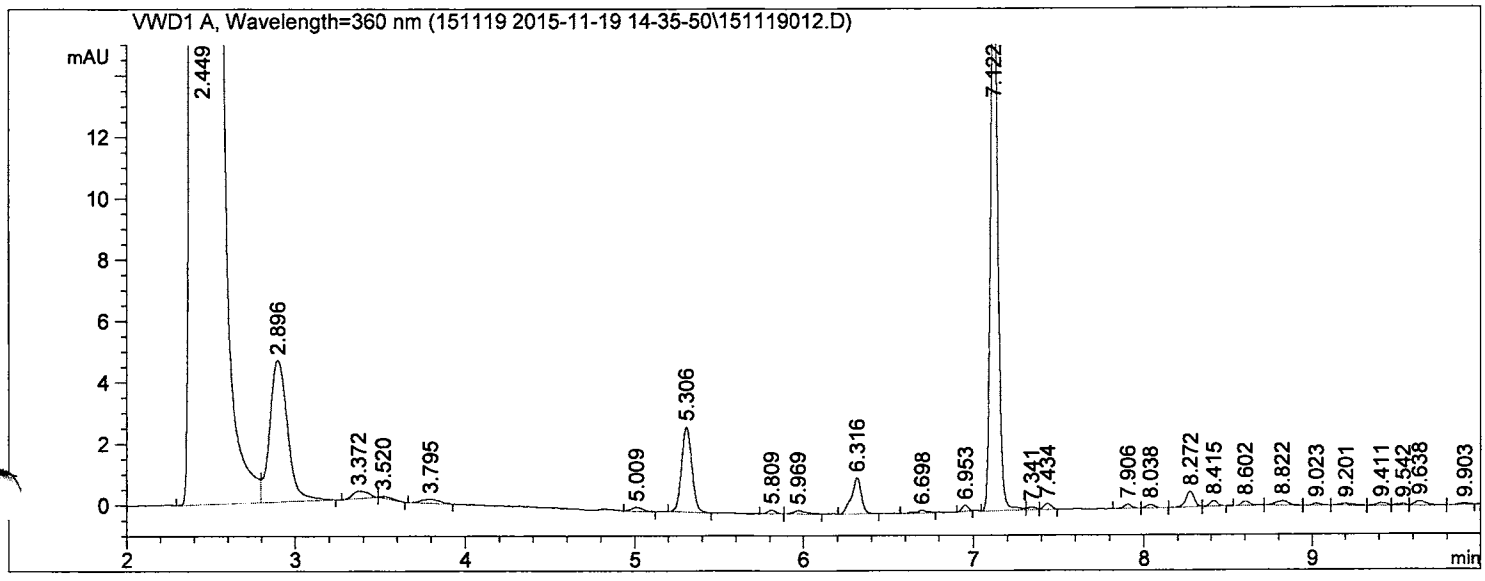
*** End of Report ***

Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119012.D
Sample Name: 061-027-19

==========

Acq. Operator : SYSTEM Seq. Line : 10
Acq. Instrument : Agilent 1260 Location : Vial 40
Injection Date : 11/19/2015 5:40:09 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-19; F7-09; 11/12/2015; 14364; 40.59L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.306	1	BB	11.76698	1.48143e-2	348.63925		Formaldehyde;50-00-0
6.316	1	BB	4.72202	1.89429e-2	178.89736		Acetaldehyde;75-07-0

Totals : 527.53661

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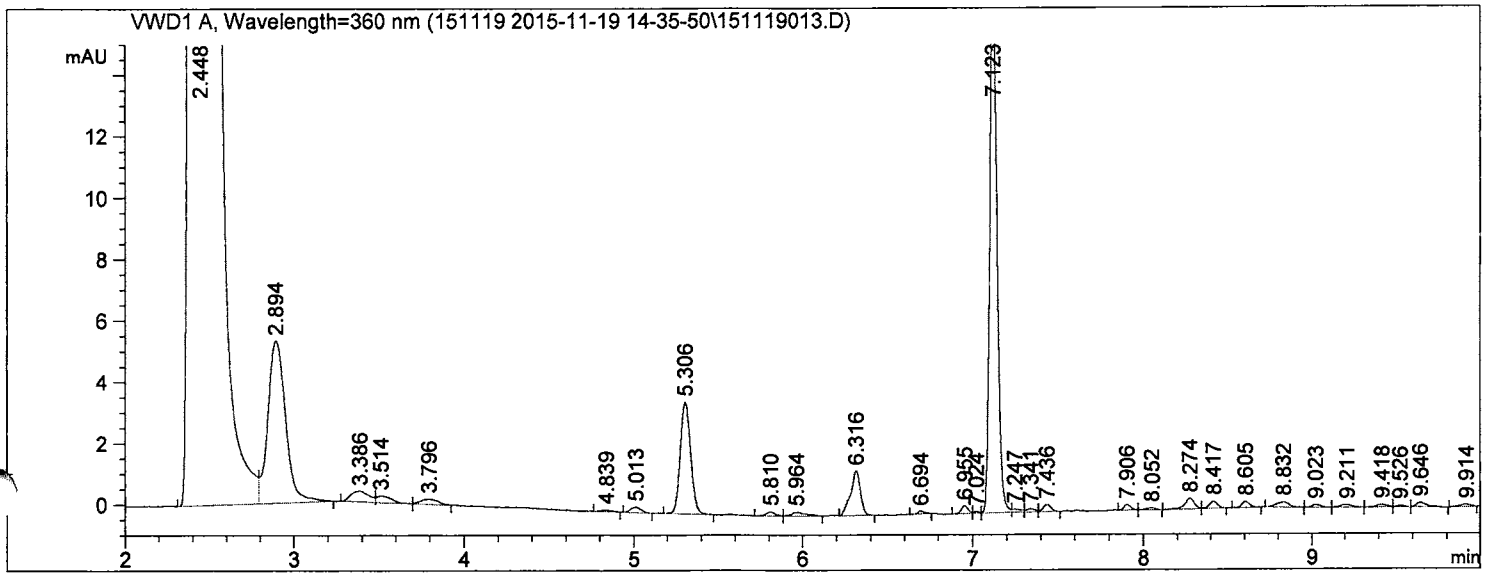
*** End of Report ***

Data File C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\151119013.D
Sample Name: 061-027-20

==========

Acq. Operator : SYSTEM Seq. Line : 11
Acq. Instrument : Agilent 1260 Location : Vial 41
Injection Date : 11/19/2015 5:56:51 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\151119 2015-11-19 14-35-50\FORMALDEHYDE.M
Last changed : 11/19/2015 2:35:54 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 11/18/2015 10:16:22 AM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-027-20; F7-10; 11/12/2015; 12142; 48.07L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 10/20/2015 10:18:21 AM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.306	1	BB	15.63871	1.48143e-2	463.35328		Formaldehyde;50-00-0
6.316	1	BB	5.82525	1.89429e-2	220.69402		Acetaldehyde;75-07-0

Totals : 684.04730

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*** End of Report ***

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2015\Nov\
Data File : T151117_11.D
Acq On : 17 Nov 2015 9:10 pm
Operator : rgill
Sample : 061-027-01_US EPA; 6.209L
Misc : A10989; C7-01-16333; 107ngBFB;10:1 split
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 18 16:18:48 2015
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K15\Desorb_Merged_2015.M
Quant Title : AB95168
QLast Update : Wed Jul 29 18:05:39 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Bromo-4-flourobenzen...	13.933	95	882893	107.00	ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	882893	107.00	ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	882893	107.00	ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	882893	107.00	ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	882893	107.00	ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	882893	107.00	ng	# 0.00
Target Compounds						Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.		
3) Methyl methacrylate; 8...	0.000		0	N.D.		
4) Toluene; 108-88-3	0.000		0	N.D.	d	
5) Tetrachloroethene; 127...	0.000		0	N.D.		
6) N,N-Dimethylformamide;...	0.000		0	N.D.		
7) Ethylbenzene; 100-41-4	0.000		0	N.D.	d	
8) Xylene {1}; 108-38-3	0.000		0	N.D.	d	
9) Xylene {2}; 95-47-6	0.000		0	N.D.	d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.		
11) Styrene; 100-42-5	0.000		0	N.D.		
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D.	d	
13) Octanal; 124-13-0	0.000		0	N.D.	d	
14) Phenol; 108-95-2	0.000		0	N.D.	d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D.	d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.		
17) Nonanal; 124-19-6	0.000		0	N.D.	d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	d	
19) Naphthalene; 91-20-3	0.000		0	N.D.		
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.		
21) Caprolactam; 105-60-2	23.695	113	79630	37.18	ng	95
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	d	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.		
25) Butyl acetate; 123-86-4	0.000		0	N.D.	d	
26) Propylene glycol; 57-55-6	0.000		0	N.D.	d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D.	d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D.	d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D.	d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D.	d	
31) Dodecanol; 112-53-8	0.000		0	N.D.	d	
32) Butylated hydroxytolue...	0.000		0	N.D.		
34) n-Pentane; 109-66-0	0.000		0	N.D.	d	
35) Ethanol; 64-17-5	0.000		0	N.D.	d	
36) 2-Propanone(acetone); ...	0.000		0	N.D.	d	
37) 2-Propanol; 67-63-0	0.000		0	N.D.	d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.		
39) Dichloromethane; 75-09-2	0.000		0	N.D.	d	
40) n-Hexane; 110-54-3	0.000		0	N.D.	d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	d	
42) 2-Butanone; 78-93-3	0.000		0	N.D.	d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D.	d	
44) Cyclohexane; 110-82-7	0.000		0	N.D.	d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D.
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D.
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D. d
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D.
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D.
72)	1-Undecene; 821-95-4	0.000	0	N.D.
73)	n-Undecane; 1120-21-4	0.000	0	N.D. d
74)	n-Dodecane; 112-40-3	0.000	0	N.D. d
75)	Dodecamethylpentasilox...	0.000	0	N.D.
76)	n-Tridecane; 629-50-5	0.000	0	N.D.
77)	Benzothiazole; 95-16-9	0.000	0	N.D.
78)	n-Tetradecane; 629-59-4	0.000	0	N.D. d
79)	n-Pentadecane; 629-62-9	0.000	0	N.D. d
80)	n-Hexadecane; 544-76-3	0.000	0	N.D. d
81)	n-Heptadecane; 629-78-7	0.000	0	N.D. d
83)	Propyl acetate; 109-60-4	0.000	0	N.D. d
84)	Isobutyl acetate;110-19-0	0.000	0	N.D. d
85)	PGMEA; 108-65-6	0.000	0	N.D. d
86)	1,3-Dichloro-2-propano...	0.000	0	N.D.
87)	DPGME isomer 1; 34590-...	0.000	0	N.D.
88)	DPGME isomer 2; 34590-...	0.000	0	N.D.
89)	DPGME isomer 3; 34590-...	0.000	0	N.D.
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D.
93)	2,2'-Oxybis(1-propanol...	0.000	0	N.D.
94)	2-(2-Hydroxypropoxy)1-...	0.000	0	N.D.
95)	Octanoic acid; 124-07-2	0.000	0	N.D. d
96)	alpha-Terpineol; 10482...	0.000	0	N.D.
97)	Texanol 1; 25265-77-4-IS1	0.000	0	N.D. d
98)	Texanol 3; 25265-77-4-IS3	0.000	0	N.D. d
99)	1-Dodecanamine, N,N-di...	0.000	0	N.D.
100)	3-Methyl-1,1'-biphenyl...	0.000	0	N.D.
101)	TXIB; 6846-50-0	0.000	0	N.D. d

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Wed Nov 18 16:18:52 2015

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2015\Nov\
Data File : T151117_12.D
Acq On : 17 Nov 2015 9:56 pm
Operator : rgill
Sample : 061-027-02_US EPA; 6197L
Misc : F081526; C7-02-16362; 107ngBFB;10:1 split
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 18 16:17:53 2015
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K15\Desorb_Merged_2015.M
Quant Title : AB95168
QLast Update : Wed Jul 29 18:05:39 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	827574	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	827574	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	827574	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	827574	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	827574	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	827574	107.00 ng	# 0.00
Target Compounds					Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.	
3) Methyl methacrylate; 8...	0.000		0	N.D.	
4) Toluene; 108-88-3	0.000		0	N.D. d	
5) Tetrachloroethene; 127...	0.000		0	N.D.	
6) N,N-Dimethylformamide;...	0.000		0	N.D.	
7) Ethylbenzene; 100-41-4	0.000		0	N.D. d	
8) Xylene {1}; 108-38-3	0.000		0	N.D. d	
9) Xylene {2}; 95-47-6	0.000		0	N.D. d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.	
11) Styrene; 100-42-5	0.000		0	N.D.	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D. d	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.690	113	110337	55.10 ng	95
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D.
47)	1-Butanol; 71-36-3	0.000	0	N.D.
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D.
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D.
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D.
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D.
72)	1-Undecene; 821-95-4	0.000	0	N.D.
73)	n-Undecane; 1120-21-4	0.000	0	N.D. d
74)	n-Dodecane; 112-40-3	0.000	0	N.D. d
75)	Dodecamethylpentasilox...	0.000	0	N.D.
76)	n-Tridecane; 629-50-5	0.000	0	N.D.
77)	Benzothiazole; 95-16-9	0.000	0	N.D.
78)	n-Tetradecane; 629-59-4	0.000	0	N.D. d
79)	n-Pentadecane; 629-62-9	0.000	0	N.D. d
80)	n-Hexadecane; 544-76-3	0.000	0	N.D. d
81)	n-Heptadecane; 629-78-7	0.000	0	N.D. d
83)	Propyl acetate; 109-60-4	0.000	0	N.D. d
84)	Isobutyl acetate;110-19-0	0.000	0	N.D. d
85)	PGMEA; 108-65-6	0.000	0	N.D. d
86)	1,3-Dichloro-2-propano...	0.000	0	N.D.
87)	DPGME isomer 1; 34590-...	0.000	0	N.D.
88)	DPGME isomer 2; 34590-...	0.000	0	N.D.
89)	DPGME isomer 3; 34590-...	0.000	0	N.D.
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D.
93)	2,2'-Oxybis(1-propanol...	0.000	0	N.D. d
94)	2-(2-Hydroxypropoxy)1-...	0.000	0	N.D. d
95)	Octanoic acid; 124-07-2	0.000	0	N.D. d
96)	alpha-Terpineol; 10482...	0.000	0	N.D.
97)	Texanol 1; 25265-77-4-IS1	0.000	0	N.D. d
98)	Texanol 3; 25265-77-4-IS3	0.000	0	N.D. d
99)	1-Dodecanamine, N,N-di...	0.000	0	N.D.
100)	3-Methyl-1,1'-biphenyl...	0.000	0	N.D.
101)	TXIB; 6846-50-0	0.000	0	N.D. d

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Wed Nov 18 16:17:57 2015

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2015\Nov\
Data File : T151117_13.D
Acq On : 17 Nov 2015 10:43 pm
Operator : rgill
Sample : 061-027-03_US EPA; 6.204L
Misc : F079068; C7-03-16418; 107ngBFB;10:1 split
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 18 16:17:02 2015
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K15\Desorb_Merged_2015.M
Quant Title : AB95168
QLast Update : Wed Jul 29 18:05:39 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	898268	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	898268	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	898268	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	898268	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	898268	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	898268	107.00 ng	# 0.00
Target Compounds					Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.	
3) Methyl methacrylate; 8...	0.000		0	N.D.	
4) Toluene; 108-88-3	0.000		0	N.D. d	
5) Tetrachloroethene; 127...	0.000		0	N.D.	
6) N,N-Dimethylformamide;...	0.000		0	N.D.	
7) Ethylbenzene; 100-41-4	0.000		0	N.D. d	
8) Xylene {1}; 108-38-3	0.000		0	N.D. d	
9) Xylene {2}; 95-47-6	0.000		0	N.D. d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.	
11) Styrene; 100-42-5	0.000		0	N.D.	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D. d	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.690	113	83451	38.31 ng	93
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. d	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D. d
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D.
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D.
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D.
72)	1-Undecene; 821-95-4	0.000	0	N.D.
73)	n-Undecane; 1120-21-4	0.000	0	N.D. d
74)	n-Dodecane; 112-40-3	0.000	0	N.D. d
75)	Dodecamethylpentasilox...	0.000	0	N.D.
76)	n-Tridecane; 629-50-5	0.000	0	N.D.
77)	Benzothiazole; 95-16-9	0.000	0	N.D.
78)	n-Tetradecane; 629-59-4	0.000	0	N.D. d
79)	n-Pentadecane; 629-62-9	0.000	0	N.D. d
80)	n-Hexadecane; 544-76-3	0.000	0	N.D. d
81)	n-Heptadecane; 629-78-7	0.000	0	N.D. d
83)	Propyl acetate; 109-60-4	0.000	0	N.D. d
84)	Isobutyl acetate;110-19-0	0.000	0	N.D. d
85)	PGMEA; 108-65-6	0.000	0	N.D. d
86)	1,3-Dichloro-2-propano...	0.000	0	N.D.
87)	DPGME isomer 1; 34590-...	0.000	0	N.D.
88)	DPGME isomer 2; 34590-...	0.000	0	N.D.
89)	DPGME isomer 3; 34590-...	0.000	0	N.D.
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D.
93)	2,2'-Oxybis(1-propanol...	0.000	0	N.D.
94)	2-(2-Hydroxypropoxy)1-...	0.000	0	N.D.
95)	Octanoic acid; 124-07-2	0.000	0	N.D. d
96)	alpha-Terpineol; 10482...	0.000	0	N.D.
97)	Texanol 1; 25265-77-4-IS1	0.000	0	N.D. d
98)	Texanol 3; 25265-77-4-IS3	0.000	0	N.D. d
99)	1-Dodecanamine, N,N-di...	0.000	0	N.D.
100)	3-Methyl-1,1'-biphenyl...	0.000	0	N.D.
101)	TXIB; 6846-50-0	0.000	0	N.D. d

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Wed Nov 18 16:17:06 2015

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2015\Nov\
Data File : T151117_14.D
Acq On : 17 Nov 2015 11:30 pm
Operator : rgill
Sample : 061-027-04_US EPA; 4.513L
Misc : F090370; C7-04-15332; 107ngBFB;10:1 split
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 18 16:16:03 2015
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K15\Desorb_Merged_2015.M
Quant Title : AB95168
QLast Update : Wed Jul 29 18:05:39 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	863464	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	863464	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	863464	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	863464	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	863464	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	863464	107.00 ng	# 0.00
Target Compounds					Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.	
3) Methyl methacrylate; 8...	0.000		0	N.D.	
4) Toluene; 108-88-3	0.000		0	N.D. d	
5) Tetrachloroethene; 127...	0.000		0	N.D.	
6) N,N-Dimethylformamide;...	0.000		0	N.D.	
7) Ethylbenzene; 100-41-4	0.000		0	N.D. d	
8) Xylene {1}; 108-38-3	0.000		0	N.D. d	
9) Xylene {2}; 95-47-6	0.000		0	N.D. d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.	
11) Styrene; 100-42-5	0.000		0	N.D. d	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D. d	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.690	113	123510	59.15 ng	93
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. d	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D. d
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D. d
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D.
72)	1-Undecene; 821-95-4	0.000	0	N.D.
73)	n-Undecane; 1120-21-4	0.000	0	N.D. d
74)	n-Dodecane; 112-40-3	0.000	0	N.D. d
75)	Dodecamethylpentasilox...	0.000	0	N.D.
76)	n-Tridecane; 629-50-5	0.000	0	N.D.
77)	Benzothiazole; 95-16-9	0.000	0	N.D.
78)	n-Tetradecane; 629-59-4	0.000	0	N.D. d
79)	n-Pentadecane; 629-62-9	0.000	0	N.D. d
80)	n-Hexadecane; 544-76-3	0.000	0	N.D. d
81)	n-Heptadecane; 629-78-7	0.000	0	N.D. d
83)	Propyl acetate; 109-60-4	0.000	0	N.D.
84)	Isobutyl acetate;110-19-0	0.000	0	N.D. d
85)	PGMEA; 108-65-6	0.000	0	N.D. d
86)	1,3-Dichloro-2-propano...	0.000	0	N.D.
87)	DPGME isomer 1; 34590-...	0.000	0	N.D.
88)	DPGME isomer 2; 34590-...	0.000	0	N.D.
89)	DPGME isomer 3; 34590-...	0.000	0	N.D.
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D.
93)	2,2'-Oxybis(1-propanol...	0.000	0	N.D. d
94)	2-(2-Hydroxypropoxy)1-...	0.000	0	N.D. d
95)	Octanoic acid; 124-07-2	0.000	0	N.D. d
96)	alpha-Terpineol; 10482...	0.000	0	N.D.
97)	Texanol 1; 25265-77-4-IS1	0.000	0	N.D. d
98)	Texanol 3; 25265-77-4-IS3	0.000	0	N.D. d
99)	1-Dodecanamine, N,N-di...	0.000	0	N.D.
100)	3-Methyl-1,1'-biphenyl...	0.000	0	N.D.
101)	TXIB; 6846-50-0	0.000	0	N.D. d

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Wed Nov 18 16:16:07 2015

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2015\Nov\
Data File : T151117_16.D
Acq On : 18 Nov 2015 12:49 am
Operator : rgill
Sample : 061-027-06_US EPA; 4.713L
Misc : A10957; C7-06-15112; 107ngBFB;10:1 split
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 18 16:14:27 2015
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K15\Desorb_Merged_2015.M
Quant Title : AB95168
QLast Update : Wed Jul 29 18:05:39 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	812529	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	812529	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	812529	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	812529	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	812529	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	812529	107.00 ng	# 0.00
Target Compounds					Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.	
3) Methyl methacrylate; 8...	0.000		0	N.D.	
4) Toluene; 108-88-3	0.000		0	N.D. d	
5) Tetrachloroethene; 127...	0.000		0	N.D.	
6) N,N-Dimethylformamide;...	0.000		0	N.D.	
7) Ethylbenzene; 100-41-4	0.000		0	N.D. d	
8) Xylene {1}; 108-38-3	0.000		0	N.D. d	
9) Xylene {2}; 95-47-6	0.000		0	N.D. d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.	
11) Styrene; 100-42-5	0.000		0	N.D. d	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.695	113	93695	47.61 ng	94
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D.	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. d	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D. d
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D. d
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D.
72)	1-Undecene; 821-95-4	0.000	0	N.D.
73)	n-Undecane; 1120-21-4	0.000	0	N.D. d
74)	n-Dodecane; 112-40-3	0.000	0	N.D. d
75)	Dodecamethylpentasilox...	0.000	0	N.D.
76)	n-Tridecane; 629-50-5	0.000	0	N.D.
77)	Benzothiazole; 95-16-9	0.000	0	N.D.
78)	n-Tetradecane; 629-59-4	0.000	0	N.D. d
79)	n-Pentadecane; 629-62-9	0.000	0	N.D. d
80)	n-Hexadecane; 544-76-3	0.000	0	N.D. d
81)	n-Heptadecane; 629-78-7	0.000	0	N.D. d
83)	Propyl acetate; 109-60-4	0.000	0	N.D. d
84)	Isobutyl acetate;110-19-0	0.000	0	N.D. d
85)	PGMEA; 108-65-6	0.000	0	N.D. d
86)	1,3-Dichloro-2-propano...	0.000	0	N.D.
87)	DPGME isomer 1; 34590-...	0.000	0	N.D.
88)	DPGME isomer 2; 34590-...	0.000	0	N.D.
89)	DPGME isomer 3; 34590-...	0.000	0	N.D.
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D.
93)	2,2'-Oxybis(1-propanol...	0.000	0	N.D. d
94)	2-(2-Hydroxypropoxy)1-...	0.000	0	N.D. d
95)	Octanoic acid; 124-07-2	0.000	0	N.D. d
96)	alpha-Terpineol; 10482...	0.000	0	N.D.
97)	Texanol 1; 25265-77-4-IS1	0.000	0	N.D. d
98)	Texanol 3; 25265-77-4-IS3	0.000	0	N.D. d
99)	1-Dodecanamine, N,N-di...	0.000	0	N.D.
100)	3-Methyl-1,1'-biphenyl...	0.000	0	N.D.
101)	TXIB; 6846-50-0	0.000	0	N.D. d

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Wed Nov 18 16:15:04 2015

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2015\Nov\
Data File : T151117_17.D
Acq On : 18 Nov 2015 1:36 am
Operator : rgill
Sample : 061-027-07_US EPA; 4.266L
Misc : A10960; C7-07-14183; 107ngBFB;10:1 split
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 18 16:13:31 2015
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K15\Desorb_Merged_2015.M
Quant Title : AB95168
QLast Update : Wed Jul 29 18:05:39 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	840964	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	840964	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	840964	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	840964	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	840964	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	840964	107.00 ng	# 0.00
Target Compounds					Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.	
3) Methyl methacrylate; 8...	0.000		0	N.D.	
4) Toluene; 108-88-3	0.000		0	N.D. d	
5) Tetrachloroethene; 127...	0.000		0	N.D.	
6) N,N-Dimethylformamide;...	0.000		0	N.D.	
7) Ethylbenzene; 100-41-4	0.000		0	N.D. d	
8) Xylene {1}; 108-38-3	0.000		0	N.D. d	
9) Xylene {2}; 95-47-6	0.000		0	N.D. d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.	
11) Styrene; 100-42-5	0.000		0	N.D. d	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.690	113	83554	40.98 ng	93
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
24) Ethylene glycol; 107-21-1	0.000		0	N.D. d	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. d	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D.
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D. d
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D. d
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D.
72)	1-Undecene; 821-95-4	0.000	0	N.D.
73)	n-Undecane; 1120-21-4	0.000	0	N.D. d
74)	n-Dodecane; 112-40-3	0.000	0	N.D. d
75)	Dodecamethylpentasilox...	0.000	0	N.D.
76)	n-Tridecane; 629-50-5	0.000	0	N.D.
77)	Benzothiazole; 95-16-9	0.000	0	N.D.
78)	n-Tetradecane; 629-59-4	0.000	0	N.D. d
79)	n-Pentadecane; 629-62-9	0.000	0	N.D. d
80)	n-Hexadecane; 544-76-3	0.000	0	N.D. d
81)	n-Heptadecane; 629-78-7	0.000	0	N.D. d
83)	Propyl acetate; 109-60-4	0.000	0	N.D. d
84)	Isobutyl acetate;110-19-0	0.000	0	N.D. d
85)	PGMEA; 108-65-6	0.000	0	N.D. d
86)	1,3-Dichloro-2-propano...	0.000	0	N.D.
87)	DPGME isomer 1; 34590-...	0.000	0	N.D.
88)	DPGME isomer 2; 34590-...	0.000	0	N.D.
89)	DPGME isomer 3; 34590-...	0.000	0	N.D.
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D.
93)	2,2'-Oxybis(1-propanol...	0.000	0	N.D.
94)	2-(2-Hydroxypropoxy)1-...	0.000	0	N.D. d
95)	Octanoic acid; 124-07-2	0.000	0	N.D. d
96)	alpha-Terpineol; 10482...	0.000	0	N.D.
97)	Texanol 1; 25265-77-4-IS1	0.000	0	N.D. d
98)	Texanol 3; 25265-77-4-IS3	0.000	0	N.D. d
99)	1-Dodecanamine, N,N-di...	0.000	0	N.D.
100)	3-Methyl-1,1'-biphenyl...	0.000	0	N.D.
101)	TXIB; 6846-50-0	0.000	0	N.D. d

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Wed Nov 18 16:13:34 2015

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2015\Nov\
Data File : T151117_18.D
Acq On : 18 Nov 2015 2:22 am
Operator : rgill
Sample : 061-027-08_US EPA; 5.28L
Misc : A10972; C7-08-14444; 107ngBFB;10:1 split
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 18 16:12:41 2015
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K15\Desorb_Merged_2015.M
Quant Title : AB95168
QLast Update : Wed Jul 29 18:05:39 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	862423	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	862423	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	862423	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	862423	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	862423	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	862423	107.00 ng	# 0.00
Target Compounds					Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.	
3) Methyl methacrylate; 8...	0.000		0	N.D.	
4) Toluene; 108-88-3	0.000		0	N.D. d	
5) Tetrachloroethene; 127...	0.000		0	N.D.	
6) N,N-Dimethylformamide;...	0.000		0	N.D.	
7) Ethylbenzene; 100-41-4	0.000		0	N.D. d	
8) Xylene {1}; 108-38-3	0.000		0	N.D. d	
9) Xylene {2}; 95-47-6	0.000		0	N.D. d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.	
11) Styrene; 100-42-5	0.000		0	N.D. d	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D. d	
19) Naphthalene; 91-20-3	0.000		0	N.D. d	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.695	113	73659	35.20 ng	90
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. d	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D. d
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D. d
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D.
72)	1-Undecene; 821-95-4	0.000	0	N.D.
73)	n-Undecane; 1120-21-4	0.000	0	N.D. d
74)	n-Dodecane; 112-40-3	0.000	0	N.D. d
75)	Dodecamethylpentasilox...	0.000	0	N.D.
76)	n-Tridecane; 629-50-5	0.000	0	N.D.
77)	Benzothiazole; 95-16-9	0.000	0	N.D.
78)	n-Tetradecane; 629-59-4	0.000	0	N.D. d
79)	n-Pentadecane; 629-62-9	0.000	0	N.D. d
80)	n-Hexadecane; 544-76-3	0.000	0	N.D. d
81)	n-Heptadecane; 629-78-7	0.000	0	N.D. d
83)	Propyl acetate; 109-60-4	0.000	0	N.D. d
84)	Isobutyl acetate;110-19-0	0.000	0	N.D. d
85)	PGMEA; 108-65-6	0.000	0	N.D. d
86)	1,3-Dichloro-2-propano...	0.000	0	N.D.
87)	DPGME isomer 1; 34590-...	0.000	0	N.D.
88)	DPGME isomer 2; 34590-...	0.000	0	N.D.
89)	DPGME isomer 3; 34590-...	0.000	0	N.D.
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D.
93)	2,2'-Oxybis(1-propanol...	0.000	0	N.D.
94)	2-(2-Hydroxypropoxy)1-...	0.000	0	N.D.
95)	Octanoic acid; 124-07-2	0.000	0	N.D. d
96)	alpha-Terpineol; 10482...	0.000	0	N.D.
97)	Texanol 1; 25265-77-4-IS1	0.000	0	N.D. d
98)	Texanol 3; 25265-77-4-IS3	0.000	0	N.D. d
99)	1-Dodecanamine, N,N-di...	0.000	0	N.D.
100)	3-Methyl-1,1'-biphenyl...	0.000	0	N.D.
101)	TXIB; 6846-50-0	0.000	0	N.D. d

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Wed Nov 18 16:12:44 2015

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2015\Nov\
Data File : T151117_19.D
Acq On : 18 Nov 2015 3:08 am
Operator : rgill
Sample : 061-027-09_US EPA; 4.323L
Misc : A10955; C7-09-14364; 107ngBFB;10:1 split
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 18 16:11:43 2015
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K15\Desorb_Merged_2015.M
Quant Title : AB95168
QLast Update : Wed Jul 29 18:05:39 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	857259	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	857259	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	857259	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	857259	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	857259	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	857259	107.00 ng	# 0.00
Target Compounds					Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.	
3) Methyl methacrylate; 8...	0.000		0	N.D.	
4) Toluene; 108-88-3	0.000		0	N.D. d	
5) Tetrachloroethene; 127...	0.000		0	N.D.	
6) N,N-Dimethylformamide;...	0.000		0	N.D.	
7) Ethylbenzene; 100-41-4	0.000		0	N.D. d	
8) Xylene {1}; 108-38-3	0.000		0	N.D. d	
9) Xylene {2}; 95-47-6	0.000		0	N.D. d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.	
11) Styrene; 100-42-5	0.000		0	N.D. d	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D. d	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.695	113	105820	50.99 ng	95
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
24) Ethylene glycol; 107-21-1	0.000		0	N.D. d	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. d	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D.
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D. d
51)	n-Butanal;123-72-8	0.000	0	N.D. d
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D. d
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D.
72)	1-Undecene; 821-95-4	0.000	0	N.D.
73)	n-Undecane; 1120-21-4	0.000	0	N.D. d
74)	n-Dodecane; 112-40-3	0.000	0	N.D. d
75)	Dodecamethylpentasilox...	0.000	0	N.D.
76)	n-Tridecane; 629-50-5	0.000	0	N.D.
77)	Benzothiazole; 95-16-9	0.000	0	N.D.
78)	n-Tetradecane; 629-59-4	0.000	0	N.D. d
79)	n-Pentadecane; 629-62-9	0.000	0	N.D. d
80)	n-Hexadecane; 544-76-3	0.000	0	N.D. d
81)	n-Heptadecane; 629-78-7	0.000	0	N.D. d
83)	Propyl acetate; 109-60-4	0.000	0	N.D. d
84)	Isobutyl acetate;110-19-0	0.000	0	N.D. d
85)	PGMEA; 108-65-6	0.000	0	N.D. d
86)	1,3-Dichloro-2-propano...	0.000	0	N.D.
87)	DPGME isomer 1; 34590-...	0.000	0	N.D.
88)	DPGME isomer 2; 34590-...	0.000	0	N.D.
89)	DPGME isomer 3; 34590-...	0.000	0	N.D.
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D.
93)	2,2'-Oxybis(1-propanol...	0.000	0	N.D.
94)	2-(2-Hydroxypropoxy)1-...	0.000	0	N.D.
95)	Octanoic acid; 124-07-2	0.000	0	N.D. d
96)	alpha-Terpineol; 10482...	0.000	0	N.D.
97)	Texanol 1; 25265-77-4-IS1	0.000	0	N.D. d
98)	Texanol 3; 25265-77-4-IS3	0.000	0	N.D. d
99)	1-Dodecanamine, N,N-di...	0.000	0	N.D.
100)	3-Methyl-1,1'-biphenyl...	0.000	0	N.D.
101)	TXIB; 6846-50-0	0.000	0	N.D. d

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Wed Nov 18 16:11:46 2015

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2015\Nov\
Data File : T151117_20.D
Acq On : 18 Nov 2015 3:55 am
Operator : rgill
Sample : 061-027-10_US EPA; 4.936L
Misc : A10975; C7-10-12142; 107ngBFB;10:1 split
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 18 16:10:52 2015
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K15\Desorb_Merged_2015.M
Quant Title : AB95168
QLast Update : Wed Jul 29 18:05:39 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	813233	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	813233	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	813233	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	813233	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	813233	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	813233	107.00 ng	# 0.00
Target Compounds					Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.	
3) Methyl methacrylate; 8...	0.000		0	N.D.	
4) Toluene; 108-88-3	0.000		0	N.D. d	
5) Tetrachloroethene; 127...	0.000		0	N.D.	
6) N,N-Dimethylformamide;...	0.000		0	N.D.	
7) Ethylbenzene; 100-41-4	0.000		0	N.D. d	
8) Xylene {1}; 108-38-3	0.000		0	N.D. d	
9) Xylene {2}; 95-47-6	0.000		0	N.D. d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.	
11) Styrene; 100-42-5	0.000		0	N.D. d	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.690	113	88667	45.00 ng	95
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
24) Ethylene glycol; 107-21-1	0.000		0	N.D. d	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D. d
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D.
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D.
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D.
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D.
72)	1-Undecene; 821-95-4	0.000	0	N.D.
73)	n-Undecane; 1120-21-4	0.000	0	N.D. d
74)	n-Dodecane; 112-40-3	0.000	0	N.D. d
75)	Dodecamethylpentasilox...	0.000	0	N.D.
76)	n-Tridecane; 629-50-5	0.000	0	N.D. d
77)	Benzothiazole; 95-16-9	0.000	0	N.D.
78)	n-Tetradecane; 629-59-4	0.000	0	N.D. d
79)	n-Pentadecane; 629-62-9	0.000	0	N.D. d
80)	n-Hexadecane; 544-76-3	0.000	0	N.D. d
81)	n-Heptadecane; 629-78-7	0.000	0	N.D. d
83)	Propyl acetate; 109-60-4	0.000	0	N.D.
84)	Isobutyl acetate;110-19-0	0.000	0	N.D. d
85)	PGMEA; 108-65-6	0.000	0	N.D. d
86)	1,3-Dichloro-2-propano...	0.000	0	N.D.
87)	DPGME isomer 1; 34590-...	0.000	0	N.D.
88)	DPGME isomer 2; 34590-...	0.000	0	N.D.
89)	DPGME isomer 3; 34590-...	0.000	0	N.D.
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D.
93)	2,2'-Oxybis(1-propanol...	0.000	0	N.D.
94)	2-(2-Hydroxypropoxy)1-...	0.000	0	N.D.
95)	Octanoic acid; 124-07-2	0.000	0	N.D. d
96)	alpha-Terpineol; 10482...	0.000	0	N.D.
97)	Texanol 1; 25265-77-4-IS1	0.000	0	N.D. d
98)	Texanol 3; 25265-77-4-IS3	0.000	0	N.D. d
99)	1-Dodecanamine, N,N-di...	0.000	0	N.D.
100)	3-Methyl-1,1'-biphenyl...	0.000	0	N.D.
101)	TXIB; 6846-50-0	0.000	0	N.D. d

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Wed Nov 18 16:10:56 2015

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2015\Nov\
Data File : T151118_01.D
Acq On : 18 Nov 2015 10:25 am
Operator : rgill
Sample : 061-027-05_US EPA; 5.026L
Misc : F078098; C7-05-15219; 107ngBFB;10:1 split
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 18 16:19:40 2015
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K15\Desorb_Merged_2015.M
Quant Title : AB95168
QLast Update : Wed Jul 29 18:05:39 2015
Response via : Initial Calibration

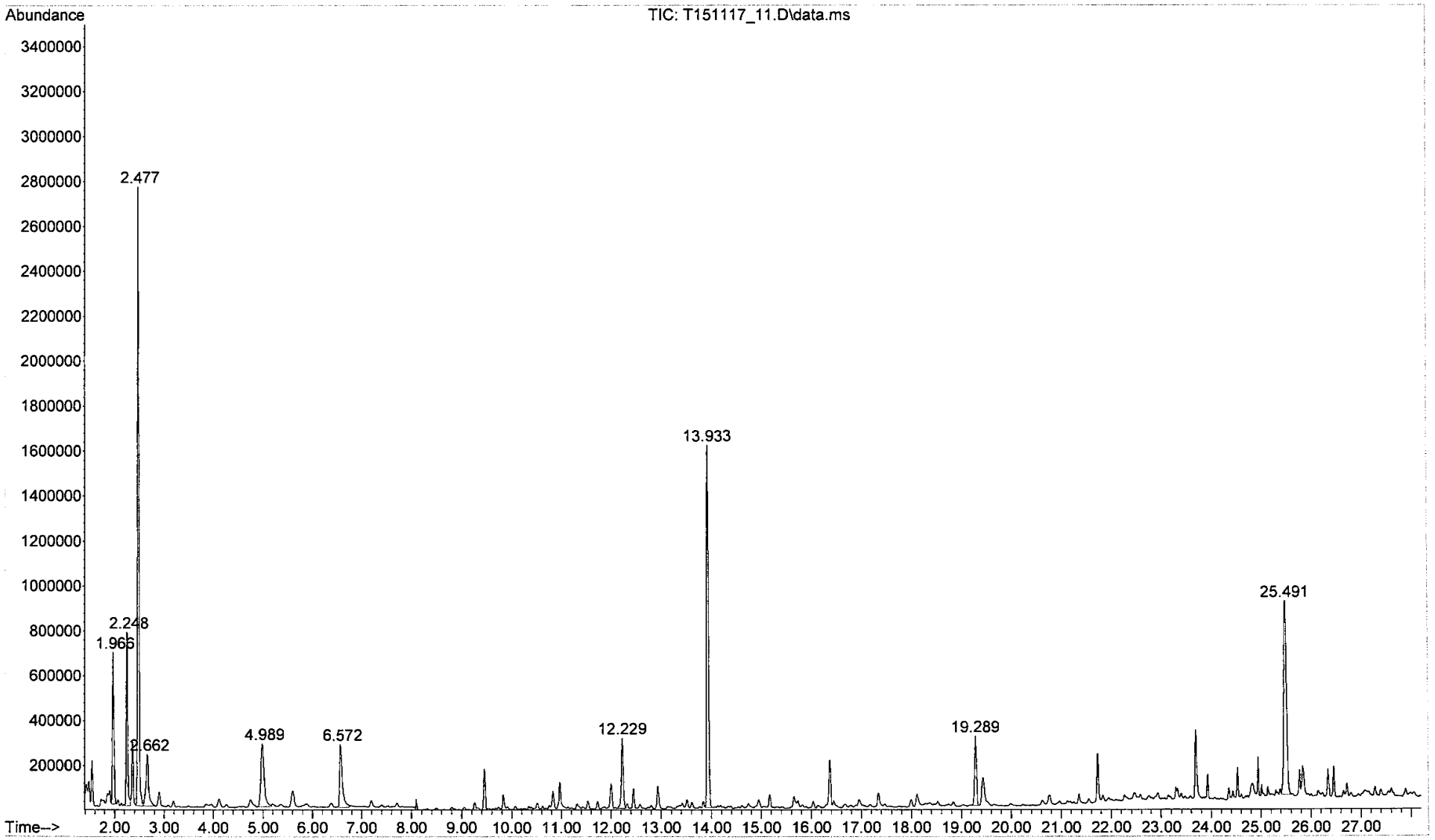
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	767865	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	767865	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	767865	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	767865	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	767865	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	767865	107.00 ng	# 0.00
Target Compounds					Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.	
3) Methyl methacrylate; 8...	0.000		0	N.D.	
4) Toluene; 108-88-3	0.000		0	N.D. d	
5) Tetrachloroethene; 127...	0.000		0	N.D.	
6) N,N-Dimethylformamide;...	0.000		0	N.D.	
7) Ethylbenzene; 100-41-4	0.000		0	N.D. d	
8) Xylene {1}; 108-38-3	0.000		0	N.D. d	
9) Xylene {2}; 95-47-6	0.000		0	N.D. d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.	
11) Styrene; 100-42-5	0.000		0	N.D.	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D.	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D. d	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.695	113	98548	53.03 ng	94
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D.	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D.
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D.
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D.
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D.
54)	Hexanal; 66-25-1	0.000	0	N.D.
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D.
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D.
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D.
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D. d
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D.
72)	1-Undecene; 821-95-4	0.000	0	N.D.
73)	n-Undecane; 1120-21-4	0.000	0	N.D. d
74)	n-Dodecane; 112-40-3	0.000	0	N.D.
75)	Dodecamethylpentasilox...	0.000	0	N.D.
76)	n-Tridecane; 629-50-5	0.000	0	N.D.
77)	Benzothiazole; 95-16-9	0.000	0	N.D.
78)	n-Tetradecane; 629-59-4	0.000	0	N.D. d
79)	n-Pentadecane; 629-62-9	0.000	0	N.D. d
80)	n-Hexadecane; 544-76-3	0.000	0	N.D. d
81)	n-Heptadecane; 629-78-7	0.000	0	N.D.
83)	Propyl acetate; 109-60-4	0.000	0	N.D.
84)	Isobutyl acetate;110-19-0	0.000	0	N.D. d
85)	PGMEA; 108-65-6	0.000	0	N.D. d
86)	1,3-Dichloro-2-propano...	0.000	0	N.D.
87)	DPGME isomer 1; 34590-...	0.000	0	N.D.
88)	DPGME isomer 2; 34590-...	0.000	0	N.D.
89)	DPGME isomer 3; 34590-...	0.000	0	N.D.
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D.
93)	2,2'-Oxybis(1-propanol...	0.000	0	N.D. d
94)	2-(2-Hydroxypropoxy)1-...	0.000	0	N.D. d
95)	Octanoic acid; 124-07-2	0.000	0	N.D.
96)	alpha-Terpineol; 10482...	0.000	0	N.D.
97)	Texanol 1; 25265-77-4-IS1	0.000	0	N.D. d
98)	Texanol 3; 25265-77-4-IS3	0.000	0	N.D. d
99)	1-Dodecanamine, N,N-di...	0.000	0	N.D.
100)	3-Methyl-1,1'-biphenyl...	0.000	0	N.D.
101)	TXIB; 6846-50-0	0.000	0	N.D. d

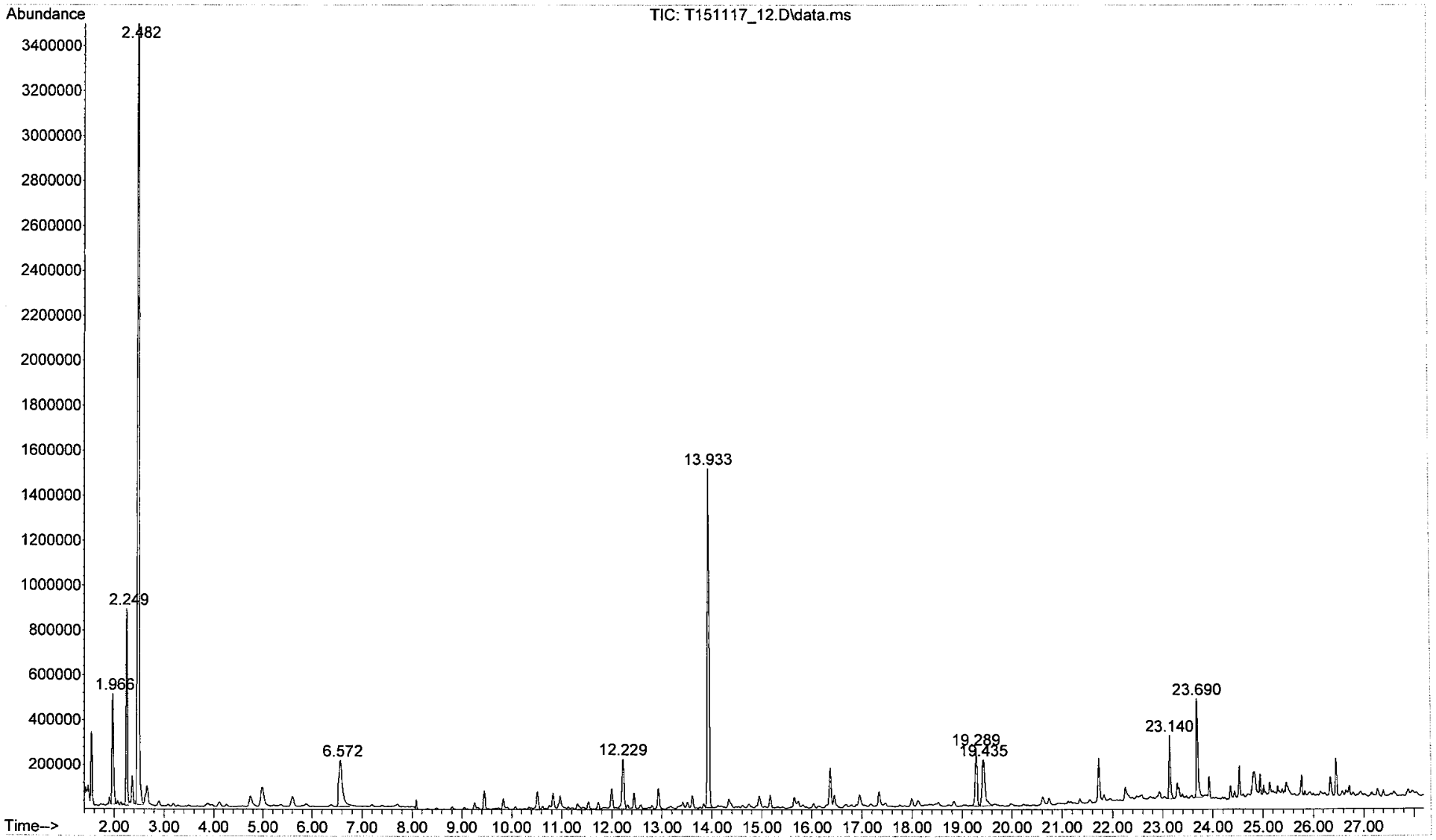
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Wed Nov 18 16:19:43 2015

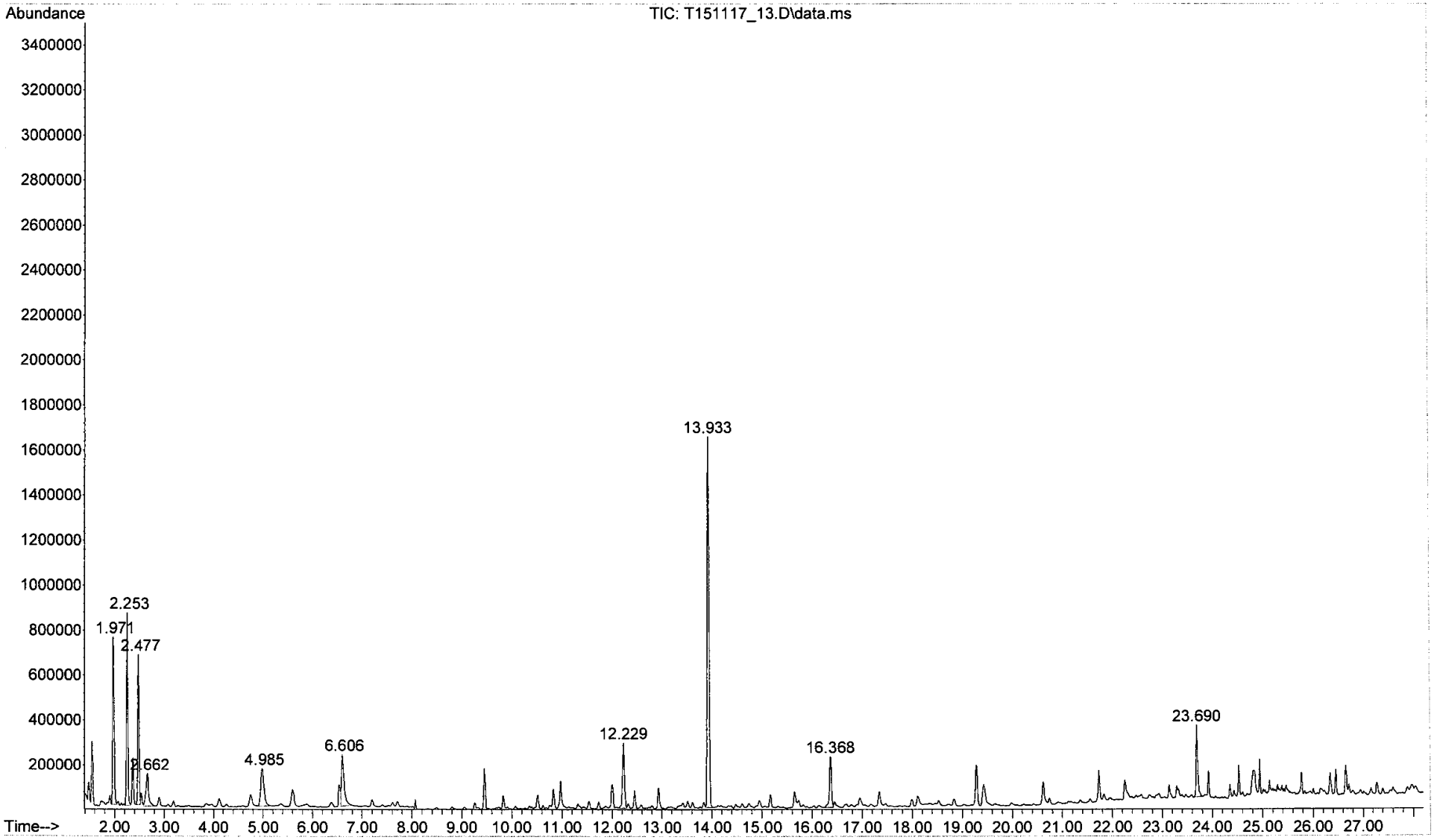
File :C:\msdchem\1\data\2015\Nov\T151117_11.D
Operator : rgill
Acquired : 17 Nov 2015 9:10 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-027-01_US EPA; 6.209L
Misc Info : A10989; C7-01-16333; 107ngBFB;10:1 split
Vial Number: 9



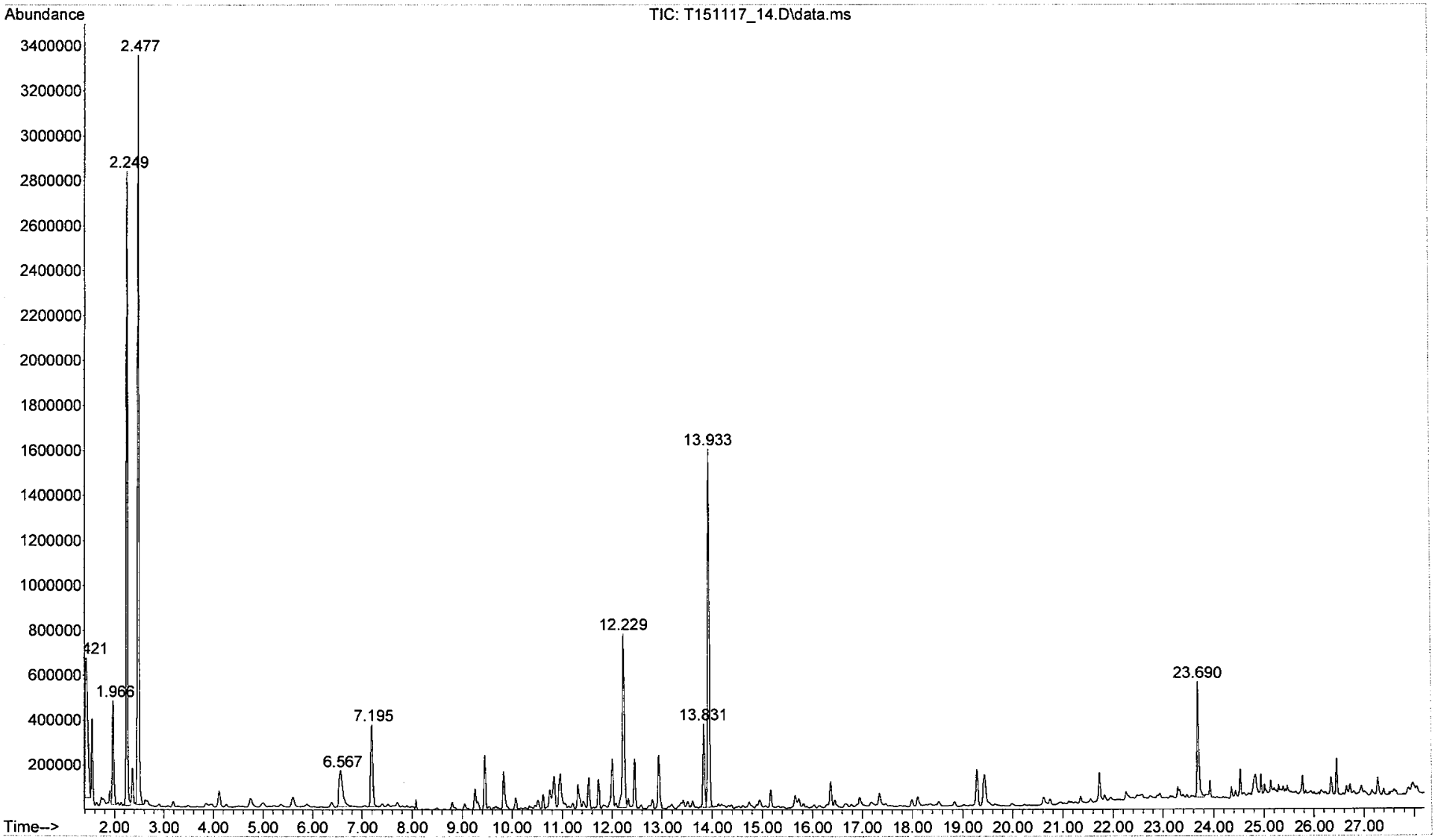
File :C:\msdchem\1\data\2015\Nov\T151117_12.D
Operator : rgill
Acquired : 17 Nov 2015 9:56 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-027-02_US EPA; 6197L
Misc Info : F081526; C7-02-16362; 107ngBFB;10:1 split
Vial Number: 10



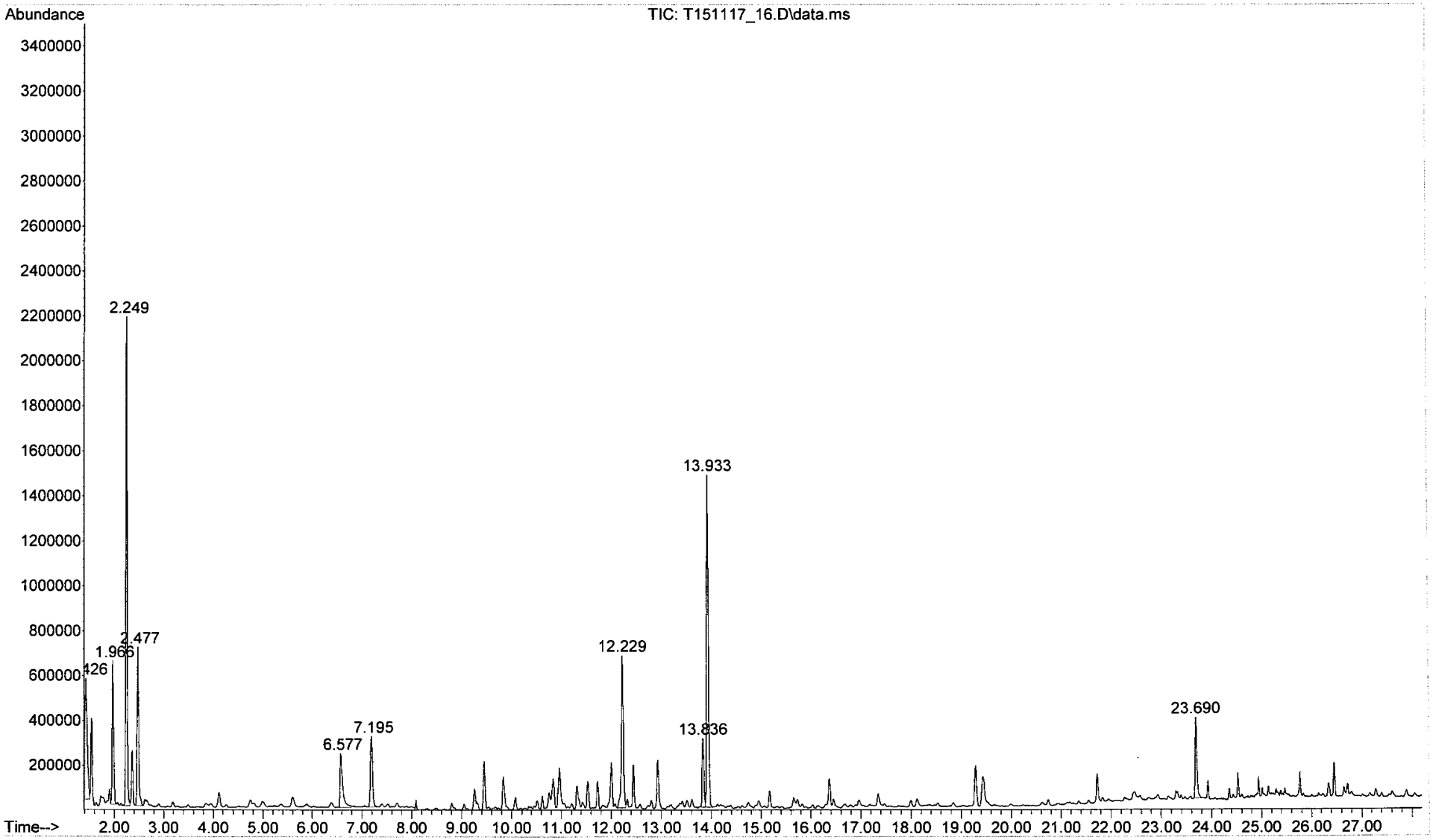
File :C:\msdchem\1\data\2015\Nov\T151117_13.D
Operator : rgill
Acquired : 17 Nov 2015 10:43 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-027-03_US EPA; 6.204L
Misc Info : F079068; C7-03-16418; 107ngBFB;10:1 split
Vial Number: 11



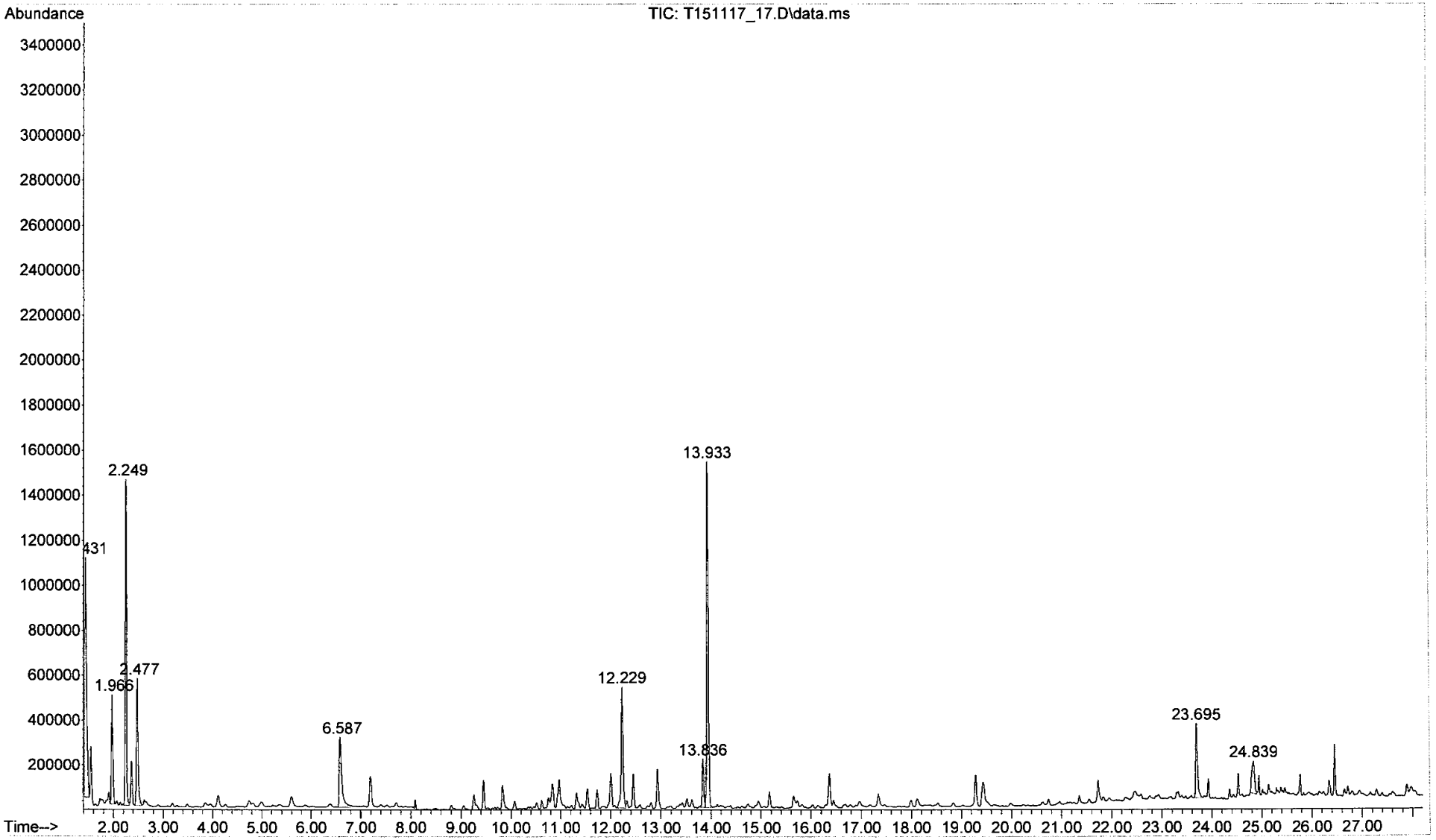
File :C:\msdchem\1\data\2015\Nov\T151117_14.D
Operator : rgill
Acquired : 17 Nov 2015 11:30 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-027-04_US EPA; 4.513L
Misc Info : F090370; C7-04-15332; 107ngBFB;10:1 split
Vial Number: 12



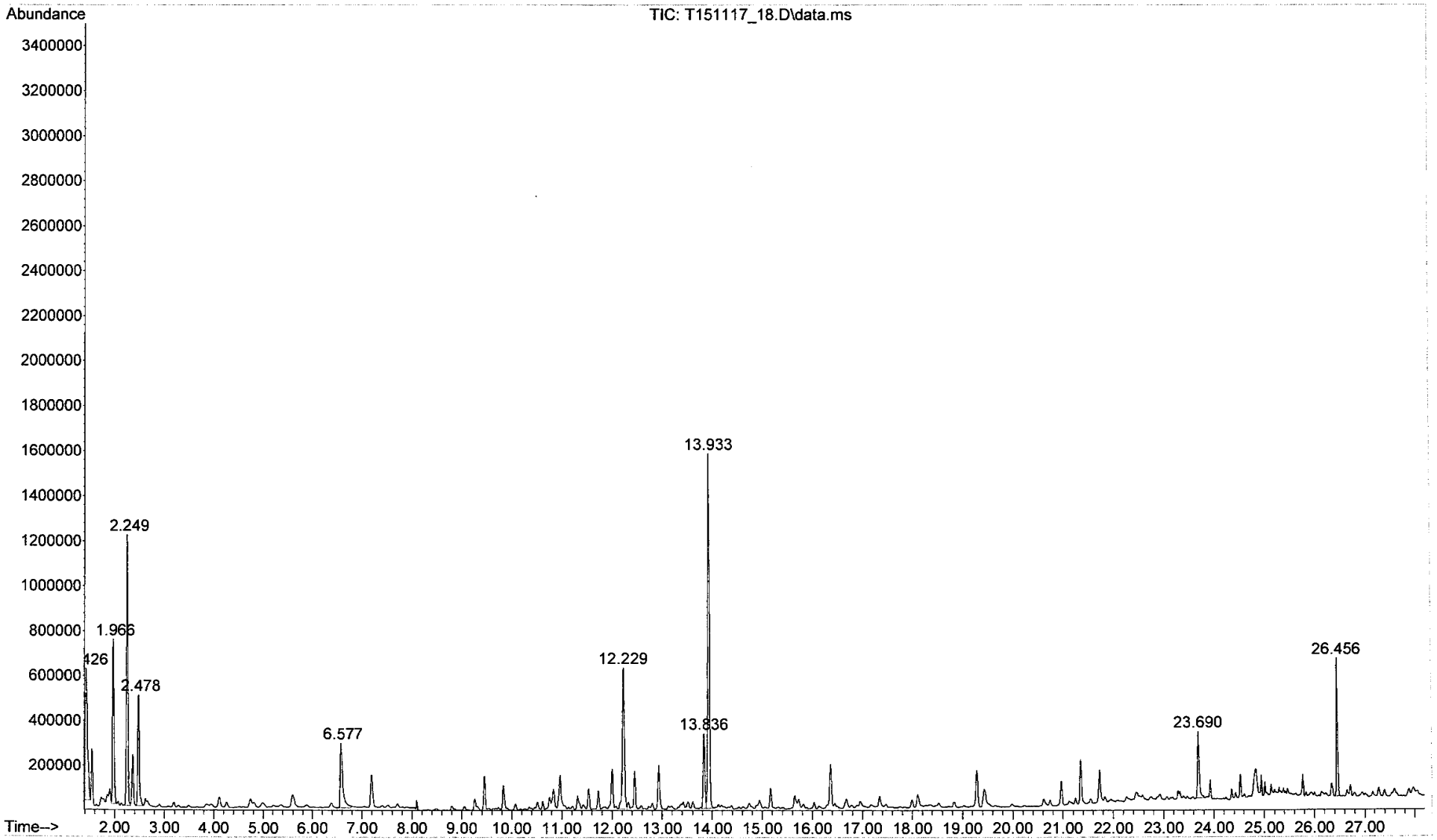
File :C:\msdchem\1\data\2015\Nov\T151117_16.D
Operator : rgill
Acquired : 18 Nov 2015 12:49 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-027-06_US EPA; 4.713L
Misc Info : A10957; C7-06-15112; 107ngBFB;10:1 split
Vial Number: 14



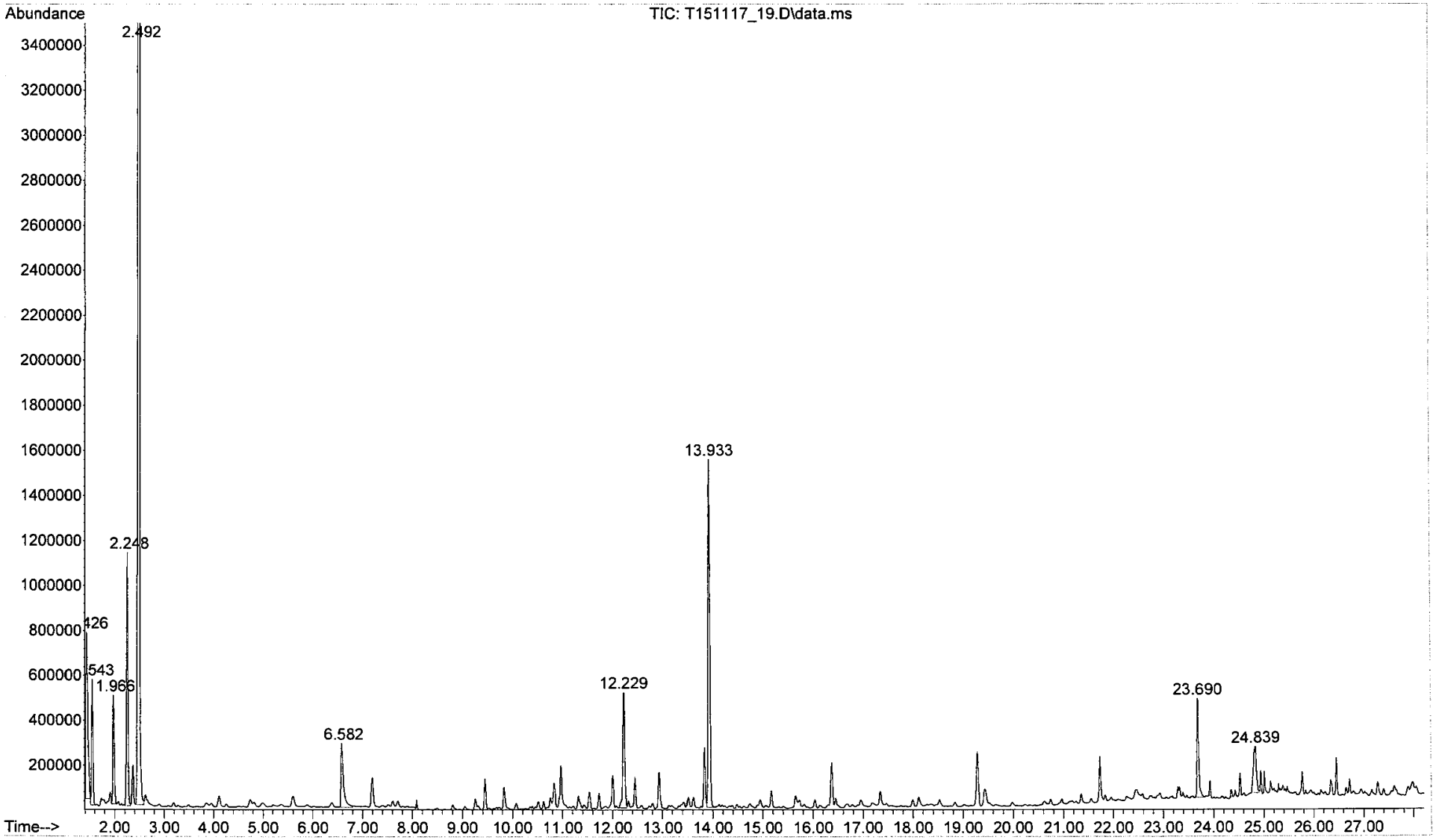
File :C:\msdchem\1\data\2015\Nov\T151117_17.D
Operator : rgill
Acquired : 18 Nov 2015 1:36 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-027-07_US EPA; 4.266L
Misc Info : A10960; C7-07-14183; 107ngBFB;10:1 split
Vial Number: 15



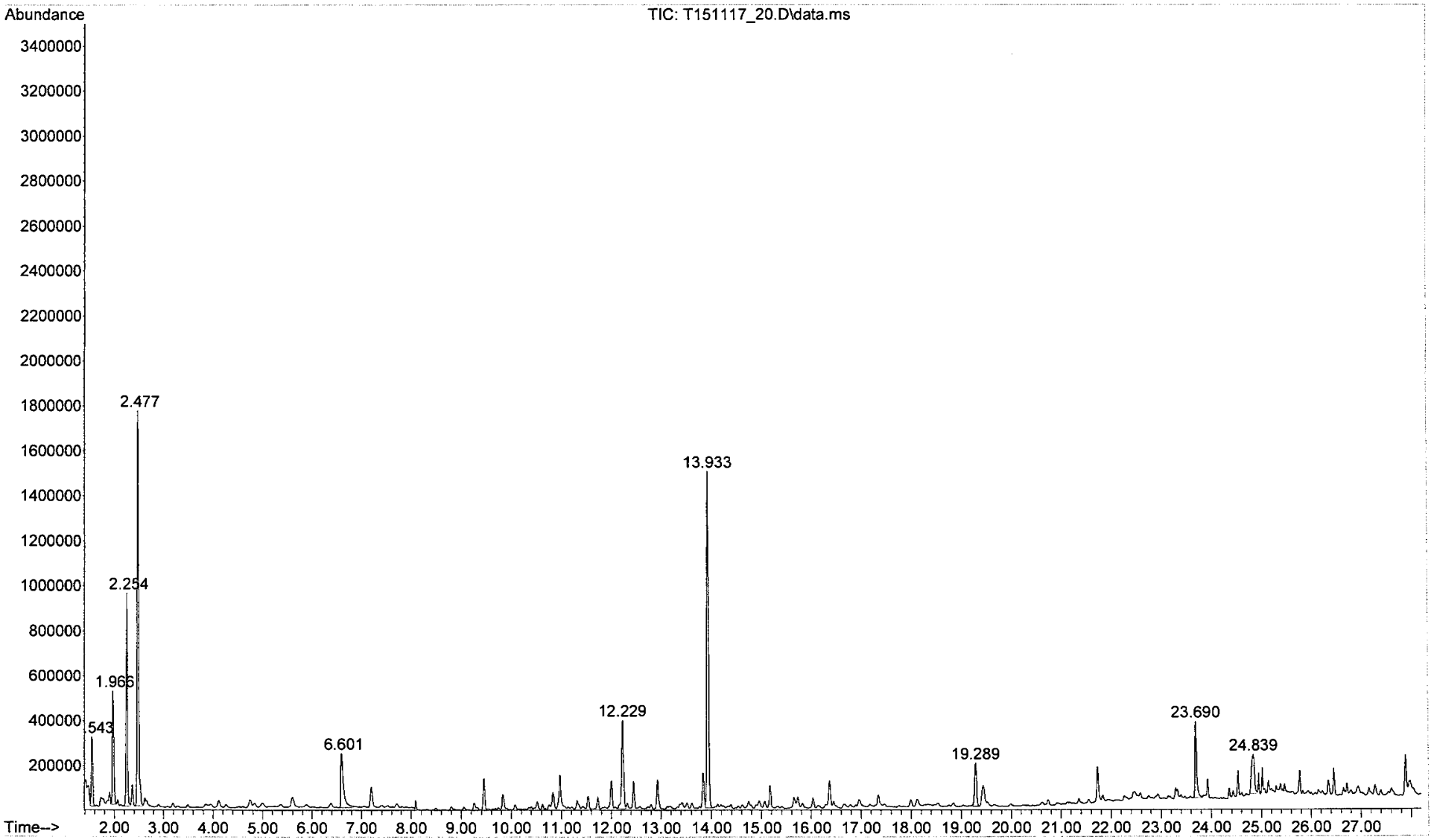
File :C:\msdchem\1\data\2015\Nov\T151117_18.D
Operator : rgill
Acquired : 18 Nov 2015 2:22 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-027-08_US EPA; 5.28L
Misc Info : A10972; C7-08-14444; 107ngBFB;10:1 split
Vial Number: 16



File :C:\msdchem\1\data\2015\Nov\T151117_19.D
Operator : rgill
Acquired : 18 Nov 2015 3:08 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-027-09_US EPA; 4.323L
Misc Info : A10955; C7-09-14364; 107ngBFB;10:1 split
Vial Number: 17



File :C:\msdchem\1\data\2015\Nov\T151117_20.D
Operator : rgill
Acquired : 18 Nov 2015 3:55 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-027-10_US EPA; 4.936L
Misc Info : A10975; C7-10-12142; 107ngBFB;10:1 split
Vial Number: 18



The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-027-01_US EPA; 6.209L

11/18/2015, Rgill

	BFB(ng)	RF			
TIC: T151117_11.D\data.ms	107		0.97	6.2	
			Mass	**Conc.**	

RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.9	3756819.0	1.000	110.3	17.8		bfb-Istd
23.70	778714.0	0.207	37.2	6.0		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-027-02_US EPA; 6.197L

11/18/2015, Rgill

	BFB(ng)	RF			
TIC: T151117_12.D\data.ms	107		0.97	6.2	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.9	3526309.0	1.000	110.3	17.8		bfb-Istd
23.70	1142601.0	0.324	55.1	8.9		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-027-03_US EPA; 6.204L

11/18/2015, Rgill

	BFB(ng)	RF			
TIC: T151117_13.D\data.ms	107		0.97	6.2	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.9	3829611.0	1.000	110.3	17.8		bfb-Istd
23.70	794591.0	0.207	38.3	6.2		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-027-04_US EPA; 4.513L

11/18/2015, Rgill

	BFB(ng)	RF			
TIC: T151117_14.D\data.ms	107		0.97	4.5	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.9	3725774.0	1.000	110.3	24.4		bfb-lstd
23.70	1214607.0	0.326	59.2	13.1		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-027-05_US EPA; 5.026L

11/18/2015, Rgill

	BFB(ng)	RF			
TIC: T151118_01.D\data.ms	107		0.97	5.0	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.9	3327238.0	1.000	110.3	21.9		bfb-Istd
23.70	992677.0	0.298	53.0	10.6		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-027-06_US EPA; 4.713L

11/18/2015, Rgill

	BFB(ng)	RF		
TIC: T151117_16.D\data.ms	107	0.97	4.7	

RT	Area	RelResp	Mass ng	Conc. ug/m3	CAS#	Compound
13.9	3523088.0	1.000	110.3	23.4		bfb-Istd
23.70	935383.0	0.266	47.6	10.1		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-027-07_US EPA; 4.266L

11/18/2015, Rgill

	BFB(ng)	RF		
TIC: T151117_17.D\data.ms	107	0.97	4.3	

RT	Area	RelResp	Mass ng	Conc. ug/m3	CAS#	Compound
13.9	3603097.0	1.000	110.3	25.9		bfb-Istd
23.70	896360.0	0.249	41.0	9.6		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-027-08_US EPA; 5.28L

11/18/2015, Rgill

		BFB(ng)	RF				
TIC: T151117_18.D\data.ms		107		0.97	5.3		
				Mass	**Conc.**		
RT	Area	RelResp		ng	ug/m3	CAS#	Compound
13.9	3716424.0	1.000		110.3	20.9		bfb-Istd
23.70	752387.0	0.202		35.2	6.7		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-027-09_US EPA; 4.323L

11/18/2015, Rgill

		BFB(ng)	RF			
TIC: T151117_19.D\data.ms		107		0.97	4.3	
				Mass	**Conc.**	
RT	Area	RelResp		ng	ug/m3	CAS#	Compound
13.9	3685424.0	1.000		110.3	25.5		bfb-Istd
23.70	1155734.0	0.314		51.0	11.8		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-027-10_US EPA; 4.936L

11/18/2015, Rgill

	BFB(ng)	RF		
TIC: T151117_20.D\data.ms	107		0.97	4.9

RT	Area	RelResp	Mass ng	Conc. ug/m3	CAS#	Compound
13.9	3510442.0	1.000	110.3	22.3		bfb-Istd
23.70	929521.0	0.265	45.0	9.1		Caprolactam

HCHO\JC061-027_EPA.XLS
Created 11/20/15, rgill

US EPA
Formaldehyde Analysis
Sequence 151119
Method FORMALDEHYDE.M

File	Sample ID	Rt min	Meas Conc ng/ul	Meas Mass ng	Volume L	Conc ng/L	Conc ppbv
151119\151119003.D	F7-01	5.298		397	59.57	6.7	5.4
151119\151119004.D	F7-02	5.298		447	61.00	7.3	6.0
151119\151119005.D	F7-03	5.302		359	58.21	6.2	5.0
151119\151119006.D	F7-04	5.305		381	43.46	8.8	7.1
151119\151119007.D	F7-05	5.305		604	49.68	12.2	9.9
151119\151119008.D	F7-06	5.306		422	44.42	9.5	7.7
151119\151119009.D	F7-07	5.305		433	41.48	10.4	8.5
151119\151119011.D	F7-08	5.307		414	51.77	8.0	6.5
151119\151119012.D	F7-09	5.306		349	40.59	8.6	7.0
151119\151119013.D	F7-10	5.306		463	48.07	9.6	7.9

061-027-01 6.209 litres
US EPA
A10989 collected: 11/12/2015
1; 16333

061-027-02 6.197 litres
US EPA
F081526 collected: 11/12/2015
C7-02; 16362

061-027-03 6.204 litres
US EPA
F079068 collected: 11/12/2015
C7-03; 16418

061-027-04 4.513 litres
US EPA
F090370 collected: 11/13/2015
C7-04; 15332

061-027-05 5.026 litres
US EPA
F078098 collected: 11/13/2015
C7-05; 15219

061-027-06 4.713 litres
US EPA
A10957 collected: 11/13/2015
C7-06; 15112

061-027-07 4.266 litres
US EPA
A10960 collected: 11/13/2015
C7-07; 14183

061-027-08 5.28 litres
US EPA
A109[illegible]2 collected: 11/13/2015
C7-0[illegible]; 14444

061-027-09 4.323 litres
US EPA
A10955 collected: 11/13/2015
C7-09; 14364

061-027-10 4.936 litres
US EPA
A10975 collected: 11/13/2015
C7-10; 12142

061-027-11 59.57 litres
US EPA
F7-01 collected: 11/12/2015
16333

061-027-12 61 litres
US EPA
F7-02 collected: 11/12/2015
F7-02;16362

061-027-13 58.21 litres
US EPA
F7-03 collected: 11/12/2015
F7-03; 16418

061-027-14 43.46 litres
US EPA
F7-0[illegible] collected: 11/13/2015
F7-0[illegible]2

061-027-15 49.68 litres
US EPA
F7-05 collected: 11/13/2015
F7-05; 15219

061-027-16 44.42 litres
US EPA
F7-06 collected: 11/13/2015
F7-06; 15112

061-027-17 41.48 litres
US EPA
F7-[illegible] collected: 11/13/2015
F7-0[illegible]; 14183

061-027-18 51.77 litres
US EPA
F7-08 collected: 11/13/2015
F7-08; 14444

061-027-19 40.59 litres
US EPA
F7-09 collected: 11/13/2015
F7-09; 14364

061-027-20 48.07 litres
US EPA
F7-[illegible] collected: 11/13/2015
F7-1[illegible]2