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Analysis of Field-Collected Air Samples

Customer and Project Information

Report Certification	
Report number	061-031-IH-Feb1816
Report date	February 8, 2016
Certified by (Name/Title)	Alfred T. Hodgson, Research Director
Signature	
Date	*February 18, 2016*

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
Project location	Not given
Project date	February 8, 2016

Laboratory Receiving Information	
Date samples received by lab	February 11, 2016
Condition of samples	No observed problems
Lab tracking numbers	061-031-01 to 061-031-40

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Sample Information

Sample No.	Sample Description	Sampler No.	Date Collected	Volume* (L)	Analysis Type	Specified Method
C10-21	15322	Mi59958	February 8, 2016	5.889	Caprolactam	TO-17
C10-22	15248	Mi51119	February 8, 2016	5.984	Caprolactam	TO-17
C10-23	15156	Mi193211	February 8, 2016	5.914	Caprolactam	TO-17
C10-24	15162	Mi59923	February 8, 2016	5.413	Caprolactam	TO-17
C10-25	16362	Mi59936	February 8, 2016	6.015	Caprolactam	TO-17
C10-26	16448	Mi59956	February 8, 2016	6.129	Caprolactam	TO-17
C10-27	16158	242446	February 8, 2016	5.892	Caprolactam	TO-17
C10-28	16133	Mi51173	February 8, 2016	5.811	Caprolactam	TO-17
C10-29	17355	Mi59927	February 8, 2016	5.549	Caprolactam	TO-17
C10-30	17446	Mi51154	February 8, 2016	5.591	Caprolactam	TO-17
C10-31	17144	17144	February 8, 2016	5.415	Caprolactam	TO-17
C10-32	17132	17132	February 8, 2016	5.618	Caprolactam	TO-17
C10-33	18446	18446	February 8, 2016	5.411	Caprolactam	TO-17
C10-34	18113	18113	February 8, 2016	5.625	Caprolactam	TO-17
C10-35	18243	18243	February 8, 2016	5.835	Caprolactam	TO-17
C10-36	18357	18357	February 8, 2016	5.704	Caprolactam	TO-17
C10-37	19310	19310	February 8, 2016	5.328	Caprolactam	TO-17
C10-38	19415	19415	February 8, 2016	5.610	Caprolactam	TO-17
C10-39	19331	19331	February 8, 2016	5.683	Caprolactam	TO-17
C10-40	19123	19123	February 8, 2016	5.593	Caprolactam	TO-17

*Volume in liters reported by customer

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Sample Information, Continued

Sample No.	Sample Description	Sampler No.	Date Collected	Volume* (L)	Analysis Type	Specified Method
F10-21	15322	Waters Cart	February 8, 2016	57.16	Formaldehyde	D 5197
F10-22	15248	Waters Cart	February 8, 2016	58.78	Formaldehyde	D 5197
F10-23	15156	Waters Cart	February 8, 2016	55.08	Formaldehyde	D 5197
F10-24	15162	Waters Cart	February 8, 2016	52.56	Formaldehyde	D 5197
F10-25	16362	Waters Cart	February 8, 2016	58.78	Formaldehyde	D 5197
F10-26	16448	Waters Cart	February 8, 2016	56.46	Formaldehyde	D 5197
F10-27	16158	Waters Cart	February 8, 2016	57.25	Formaldehyde	D 5197
C10-28	16133	Waters Cart	February 8, 2016	57.10	Formaldehyde	D 5197
F10-29	17355	Waters Cart	February 8, 2016	54.54	Formaldehyde	D 5197
F10-30	17446	Waters Cart	February 8, 2016	54.33	Formaldehyde	D 5197
F10-31	17144	Waters Cart	February 8, 2016	53.59	Formaldehyde	D 5197
F10-32	17132	Waters Cart	February 8, 2016	52.17	Formaldehyde	D 5197
F10-33	18446	Waters Cart	February 8, 2016	52.43	Formaldehyde	D 5197
F10-34	18113	Waters Cart	February 8, 2016	55.09	Formaldehyde	D 5197
F10-35	18243	Waters Cart	February 8, 2016	54.11	Formaldehyde	D 5197
F10-36	18357	Waters Cart	February 8, 2016	55.58	Formaldehyde	D 5197
F10-37	19310	Waters Cart	February 8, 2016	52.33	Formaldehyde	D 5197
F10-38	19415	Waters Cart	February 8, 2016	52.03	Formaldehyde	D 5197
F10-39	19331	Waters Cart	February 8, 2016	55.32	Formaldehyde	D 5197
F10-40	19123	Waters Cart	February 8, 2016	54.86	Formaldehyde	D 5197

*Volume in liters reported by customer

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Analytical Information

Sample No.	Lab Track. No.	Method	Date Analyzed	Analyst	Data File
C10-21	061-031-01	TO-17	February 12, 2016	R. Gill	T160212_07
C10-22	061-031-02	TO-17	February 12, 2016	R. Gill	T160212_08
C10-23	061-031-03	TO-17	February 12, 2016	R. Gill	T160212_09
C10-24	061-031-04	TO-17	February 12, 2016	R. Gill	T160212_10
C10-25	061-031-05	TO-17	February 12, 2016	R. Gill	T160212_11
C10-26	061-031-06	TO-17	February 12, 2016	R. Gill	T160212_12
C10-27	061-031-07	TO-17	February 12, 2016	R. Gill	T160212_13
C10-28	061-031-08	TO-17	February 12, 2016	R. Gill	T160212_14
C10-29	061-031-09	TO-17	February 12, 2016	R. Gill	T160212_15
C10-30	061-031-10	TO-17	February 12, 2016	R. Gill	T160212_16
C10-31	061-031-11	TO-17	February 12, 2016	R. Gill	T160212_17
C10-32	061-031-12	TO-17	February 12, 2016	R. Gill	T160212_18
C10-33	061-031-13	TO-17	February 12, 2016	R. Gill	T160212_19
C10-34	061-031-14	TO-17	February 12, 2016	R. Gill	T160212_20
C10-35	061-031-15	TO-17	February 12, 2016	R. Gill	T160212_21
C10-36	061-031-16	TO-17	February 12, 2016	R. Gill	T160212_22
C10-37	061-031-17	TO-17	February 12, 2016	R. Gill	T160212_23
C10-38	061-031-18	TO-17	February 12, 2016	R. Gill	T160212_24
C10-39	061-031-19	TO-17	February 12, 2016	R. Gill	T160212_25
C10-40	061-031-20	TO-17	February 12, 2016	R. Gill	T160212_26

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Analytical Information, Continued

Sample No.	Lab Track. No.	Method	Date Analyzed	Analyst	Data File
F10-21	061-031-21	D 5197	February 17, 2016	T.Cheng	160217\160217004.D
F10-22	061-031-22	D 5197	February 17, 2016	T.Cheng	160217\160217005.D
F10-23	061-031-23	D 5197	February 17, 2016	T.Cheng	160217\160217006.D
F10-24	061-031-24	D 5197	February 17, 2016	T.Cheng	160217\160217007.D
F10-25	061-031-25	D 5197	February 17, 2016	T.Cheng	160217\160217008.D
F10-26	061-031-26	D 5197	February 17, 2016	T.Cheng	160217\160217009.D
F10-27	061-031-27	D 5197	February 17, 2016	T.Cheng	160217\160217010.D
C10-28	061-031-28	D 5197	February 17, 2016	T.Cheng	160217\160217012.D
F10-29	061-031-29	D 5197	February 17, 2016	T.Cheng	160217\160217013.D
F10-30	061-031-30	D 5197	February 17, 2016	T.Cheng	160217\160217014.D
F10-31	061-031-31	D 5197	February 17, 2016	T.Cheng	160217\160217015.D
F10-32	061-031-32	D 5197	February 17, 2016	T.Cheng	160217\160217016.D
F10-33	061-031-33	D 5197	February 17, 2016	T.Cheng	160217\160217017.D
F10-34	061-031-34	D 5197	February 17, 2016	T.Cheng	160217\160217018.D
F10-35	061-031-35	D 5197	February 17, 2016	T.Cheng	160217\160217021.D
F10-36	061-031-36	D 5197	February 17, 2016	T.Cheng	160217\160217022.D
F10-37	061-031-37	D 5197	February 17, 2016	T.Cheng	160217\160217023.D
F10-38	061-031-38	D 5197	February 17, 2016	T.Cheng	160217\160217024.D
F10-39	061-031-39	D 5197	February 17, 2016	T.Cheng	160217\160217025.D
F10-40	061-031-40	D 5197	February 17, 2016	T.Cheng	160217\160217026.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 February 11, 2016. There were twenty DNPH cartridges for the analysis of formaldehyde and there were twenty multi-sorbent tubes for caprolactam analysis. The analytical results for caprolactam are presented in Table 1. The analytical results for formaldehyde are presented in Table 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 following ASTM Standard Method D5197. Formaldehyde was quantified using a multi-point (4 or more points) calibration curve.

Cartridge Blank – The average DNPH cartridge blank for formaldehyde is 40 ng. The average cartridge blank was subtracted from a measured mass to determine a blank subtracted sample mass.

MDL and LOQ – A Method Detection Limit (MDL) for formaldehyde of 15 ng was determined from the analysis of ten replicates of a 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%.

Caprolactam was analyzed by thermal desorption GC/MS following U.S. EPA Compendium Method TO-17. Caprolactam was quantified using a multi-point (4 or more points) calibration cure prepared with a pure standard.

MDL and LOQ – A Method Detection Limit (MDL) for caprolactam of 3.9 ng 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.).

Results, Continued

Table 2. Quantitative analysis of formaldehyde (CAS #50-00-0)

Sample No.	Sample Name	Volume (L)	Measured Mass (ng)	Mass – Blank* (ng)	Conc (µg/m^3)	Conc** (ppb)
F10-21	061-031-21	57.16	603	563	9.8	8.0
F10-22	061-031-22	58.78	615	575	9.8	8.0
F10-23	061-031-23	55.08	668	628	11.4	9.3
F10-24	061-031-24	52.56	615	575	10.9	8.9
F10-25	061-031-25	58.78	550	510	8.7	7.1
F10-26	061-031-26	56.46	469	429	7.6	6.2
F10-27	061-031-27	57.25	602	562	9.8	8.0
C10-28	061-031-28	57.10	635	595	10.4	8.5
F10-29	061-031-29	54.54	498	458	8.4	6.8
F10-30	061-031-30	54.33	429	389	7.2	5.8
F10-31	061-031-31	53.59	575	535	10.0	8.1
F10-32	061-031-32	52.17	594	554	10.6	8.7
F10-33	061-031-33	52.43	550	510	9.7	7.9
F10-34	061-031-34	55.09	687	647	11.7	9.6
F10-35	061-031-35	54.11	728	688	12.7	10.4
F10-36	061-031-36	55.58	625	585	10.5	8.6
F10-37	061-031-37	52.33	469	429	8.2	6.7
F10-38	061-031-38	52.03	506	466	9.0	7.3
F10-39	061-031-39	55.32	512	472	8.5	7.0
F10-40	061-031-40	54.86	563	523	9.5	7.8

*Measured mass corrected for typical 40 ng formaldehyde cartridge blank.

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

END OF REPORT

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Results

Table 1. Quantitative analysis of Caprolactam (CAS # 105-60-2).

Sample No.	Sample Name	Volume (L)	Mass (ng)	Conc ($\mu g/m^3$)	Conc* (ppb)
C10-21	15322	5.889	64.7	11.0	2.4
C10-22	15248	5.984	49.4	8.3	1.8
C10-23	15156	5.914	52.9	8.9	1.9
C10-24	15162	5.413	63.8	11.8	2.5
C10-25	16362	6.015	57.7	9.6	2.1
C10-26	16448	6.129	34.1	5.6	1.2
C10-27	16158	5.892	52.4	8.9	1.9
C10-28	16133	5.811	59.1	10.2	2.2
C10-29	17355	5.549	63.0	11.3	2.5
C10-30	17446	5.591	47.2	8.4	1.8
C10-31	17144	5.415	64.3	11.9	2.6
C10-32	17132	5.618	88.1	15.7	3.4
C10-33	18446	5.411	59.3	11.0	2.4
C10-34	18113	5.625	76.7	13.6	2.9
C10-35	18243	5.835	82.0	14.0	3.0
C10-36	18357	5.704	74.0	13.0	2.8
C10-37	19310	5.328	77.0	14.5	3.1
C10-38	19415	5.610	67.3	12.0	2.6
C10-39**	19331	5.683	--	--	--
C10-40	19123	5.593	35.8	6.4	1.4

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

**No data. Sample lost during analysis.

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CHAIN-OF-CUSTODY RECORD for ANALYTICAL SERVICES

2009 Update

Client Information*			
Company:	US EPA		
Street Address:			
City/State/Zip Code:			
Country:	Contact (for reporting):	Jeff Woodlee	
Project/Job Name:			
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
Mi 59958	C10-21	2/8/16	61	5.889	15322	b	Caprolactam
Mi 51119	C10-22	↓	63	5.984	15248	↓	
Mi 193211	C10-23	↓	60	5.914	15156	↓	
Mi 59923	C10-24	↓	56	5.413	15162	↓	
Mi 59936	C10-25	↓	63	6.015	16362	↓	
Mi 59956	C10-26	↓	62	6.129	16448	↓	
242446	C10-27	↓	61	5.892	16158	↓	
Mi 51173	C10-28	↓	61	5.811	16133	↓	
Mi 59927	C10-29	↓	56	5.549	17355	↓	
Mi 51154	C10-30	↓	58	5.591	17446	↓	

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
J. Woodlee			2/11/16	US EPA
	A.T. Hodgson	[signature]	2/11/16	BKA

JC061-031

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CHAIN-OF-CUSTODY RECORD
for ANALYTICAL SERVICES
2009 Update

Client Information*			
Company:	US EPA		
Street Address:			
City/State/Zip Code:			
Country:	Contact (for reporting): Jeff Woodlee		
Project/Job Name:			
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
Mi58837	C10-31	2/8/16	57	5.415	17144	b	Caprolactam
Mi58847	C10-32	↓	57	5.618	17132	↓	
Mi59913	C10-33	↓	56	5.411	18446	↓	
203159	C10-34	↓	59	5.625	18113	↓	
203169	C10-35	↓	59	5.835	18243	↓	
Mi59933	C10-36	↓	59	5.704	18357	↓	
203165	C10-37	↓	56	5.328	19310	↓	
Mi193222	C10-38	↓	57	5.610	19415	↓	
242407	C10-39	↓	59	5.683	19331	↓	
Mi193235	C10-40	↓	59	5.593	19123	↓	

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
J. Woodlee			2/11/16	US EPA
	A.J. Hodson		2/11/16	BKA

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CHAIN-OF-CUSTODY RECORD
for ANALYTICAL SERVICES
2009 Update

Client Information*	
Company: USEPA	
Street Address:	
City/State/Zip Code:	
Country:	Contact (for reporting): Jeff Woodlee
Project/Job Name:	
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
	F10-21	2/8/16	61	57.16	15322	f	
	F10-22		63	58.78	15248		
	F10-23		60	55.08	15156		
	F10-24		56	52.56	15162		
	F10-25		63	58.78	16362		
	F10-26		62	56.46	16448		
	F10-27		61	57.25	16158		
	F10-28		61	57.10	16133		
	F10-29		56	54.54	17355		
	F10-30		58	54.33	17446		

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
J Woodlee			2/11/16	USEPA
	AT Hodgson		2/11/16	BKA

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City/State/Zip Code:		
Country:	Contact (for reporting): Jeff Woodlee	
Project/Job Name:		
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
	F10-31	2/8/16	57	53.59	17144	f	
	F10-32	↓	57	52.17	17132	↓	
	F10-33		56	52.43	18446		
	F10-34		59	55.09	18113		
	F10-35		59	54.11	18243		
	F10-36		59	55.58	18357		
	F10-37		56	52.33	19310		
	F10-38		57	52.03	19415		
	F10-39		59	55.32	19331		
	F10-40	↓	59	54.86	19123	↓	

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
J Woodlee			2/11/16	USEPA
	A.T. Hodgson		2/11/16	BKA

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Created 2/18/16, rgill

US EPA
Formaldehyde Analysis
Sequence 160217
Method FORMALDEHYDE.M

40 Typical cartridge blank

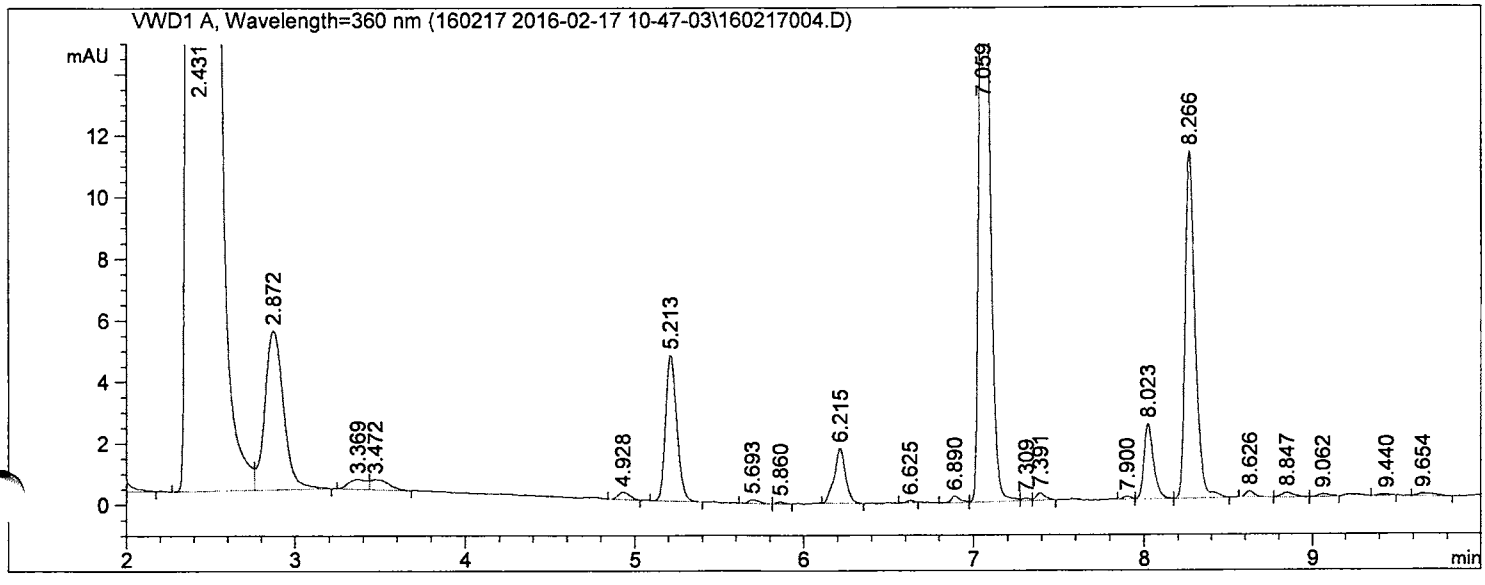
File	Sample ID	Rt min	Meas Conc ng/ul	Meas Mass ng	Mass -Blnk ng	Volume L	Conc ng/L	Conc ppbv
160217\160217004.D	F10-21	5.213		603	563	57.16	9.8	8.0
160217\160217005.D	F10-22	5.214		615	575	58.78	9.8	8.0
160217\160217006.D	F10-23	5.214		668	628	55.08	11.4	9.3
160217\160217007.D	F10-24	5.213		615	575	52.56	10.9	8.9
160217\160217008.D	F10-25	5.217		550	510	58.78	8.7	7.1
160217\160217009.D	F10-26	5.218		469	429	56.46	7.6	6.2
160217\160217010.D	F10-27	5.219		602	562	57.25	9.8	8.0
160217\160217012.D	F10-28	5.221		635	595	57.1	10.4	8.5
160217\160217013.D	F10-29	5.219		498	458	54.54	8.4	6.8
160217\160217014.D	F10-30	5.220		429	389	54.33	7.2	5.8
160217\160217015.D	F10-31	5.217		575	535	53.59	10.0	8.1
160217\160217016.D	F10-32	5.221		594	554	52.17	10.6	8.7
160217\160217017.D	F10-33	5.220		550	510	52.43	9.7	7.9
160217\160217018.D	F10-34	5.220		687	647	55.09	11.7	9.6
160217\160217021.D	F10-35	5.219		728	688	54.11	12.7	10.4
160217\160217022.D	F10-36	5.219		625	585	55.58	10.5	8.6
160217\160217023.D	F10-37	5.220		469	429	52.33	8.2	6.7
160217\160217024.D	F10-38	5.219		506	466	52.03	9.0	7.3
160217\160217025.D	F10-39	5.219		512	472	55.32	8.5	7.0
160217\160217026.D	F10-40	5.217		563	523	54.86	9.5	7.8

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217004.D
Sample Name: 061-031-21

==========

Acq. Operator : SYSTEM Seq. Line : 3
Acq. Instrument : Agilent 1260 Location : Vial 2
Injection Date : 2/17/2016 11:37:47 AM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-21; Collected: 2/8/2016; 15322; 57.16L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.213	1	BB	21.86007	1.38022e-2	603.43274		Formaldehyde;50-00-0
6.215	1	BB	8.24338	1.81391e-2	299.05506		Acetaldehyde;75-07-0

Totals : 902.48780

==========

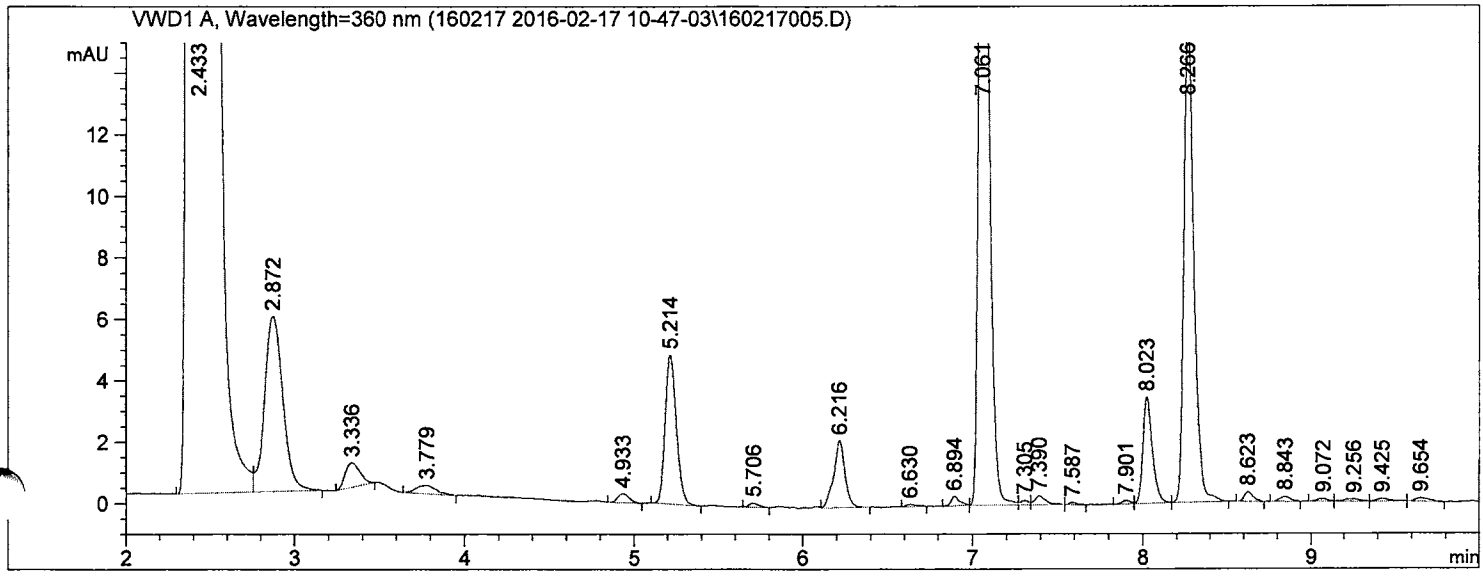
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217005.D
Sample Name: 061-031-22

==========

Acq. Operator : SYSTEM Seq. Line : 4
Acq. Instrument : Agilent 1260 Location : Vial 3
Injection Date : 2/17/2016 11:54:26 AM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-22; Collected: 2/8/2016; 15248; 58.78L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.214	1	BB	22.28540	1.38022e-2	615.17357		Formaldehyde;50-00-0
6.216	1	VB	10.02724	1.81391e-2	363.77040		Acetaldehyde;75-07-0

Totals : 978.94397

==========

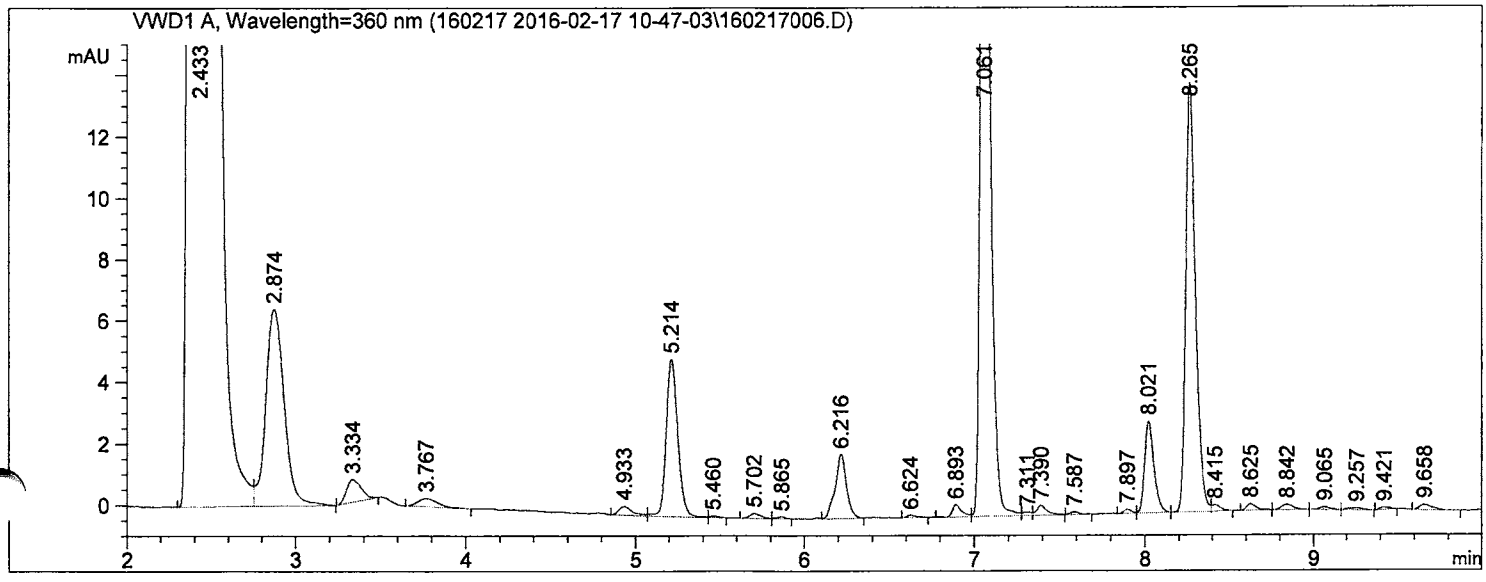
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217006.D
Sample Name: 061-031-23

==========

Acq. Operator : SYSTEM Seq. Line : 5
Acq. Instrument : Agilent 1260 Location : Vial 4
Injection Date : 2/17/2016 12:11:05 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-23; Collected: 2/8/2016; 15156; 55.08L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.214	1	VV	24.21854	1.38022e-2	668.53666		Formaldehyde;50-00-0
6.216	1	VB	9.75018	1.81391e-2	353.71883		Acetaldehyde;75-07-0

Totals : 1022.25549

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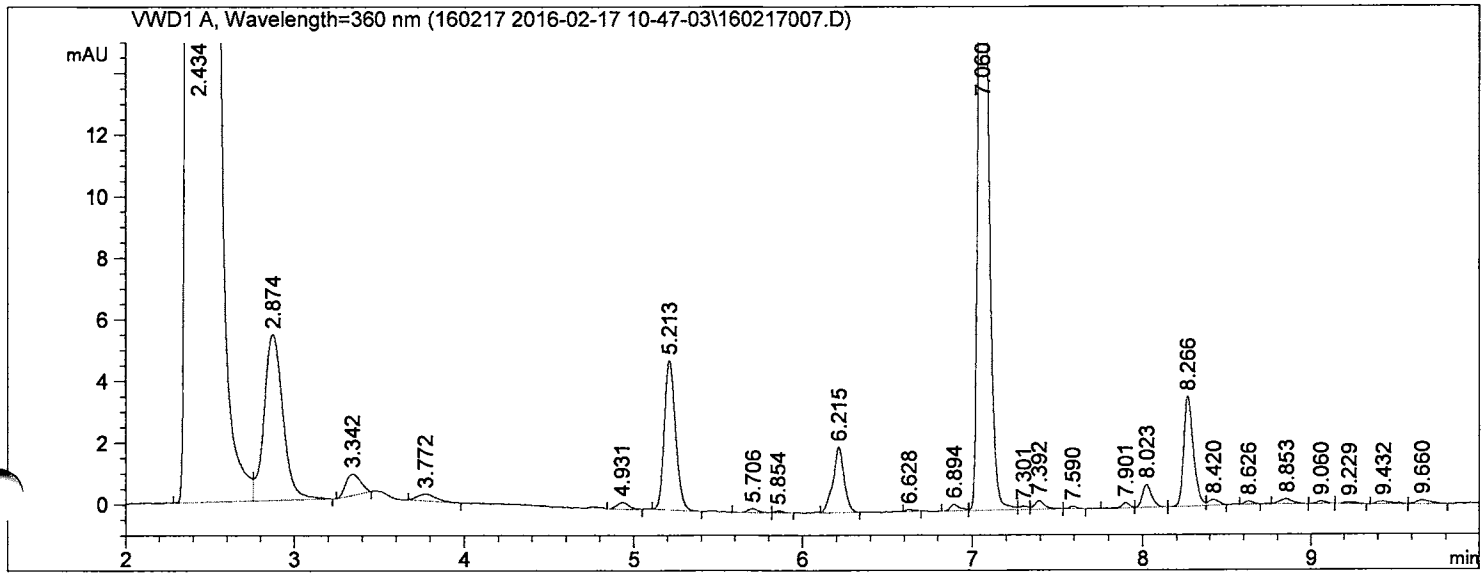
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217007.D
Sample Name: 061-031-24

==========

Acq. Operator : SYSTEM Seq. Line : 6
Acq. Instrument : Agilent 1260 Location : Vial 5
Injection Date : 2/17/2016 12:27:45 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-24; Collected: 2/8/2016; 15162; 52.56L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.213	1	BB	22.27913	1.38022e-2	615.00061		Formaldehyde;50-00-0
6.215	1	VB	9.70964	1.81391e-2	352.24819		Acetaldehyde;75-07-0

Totals : 967.24880

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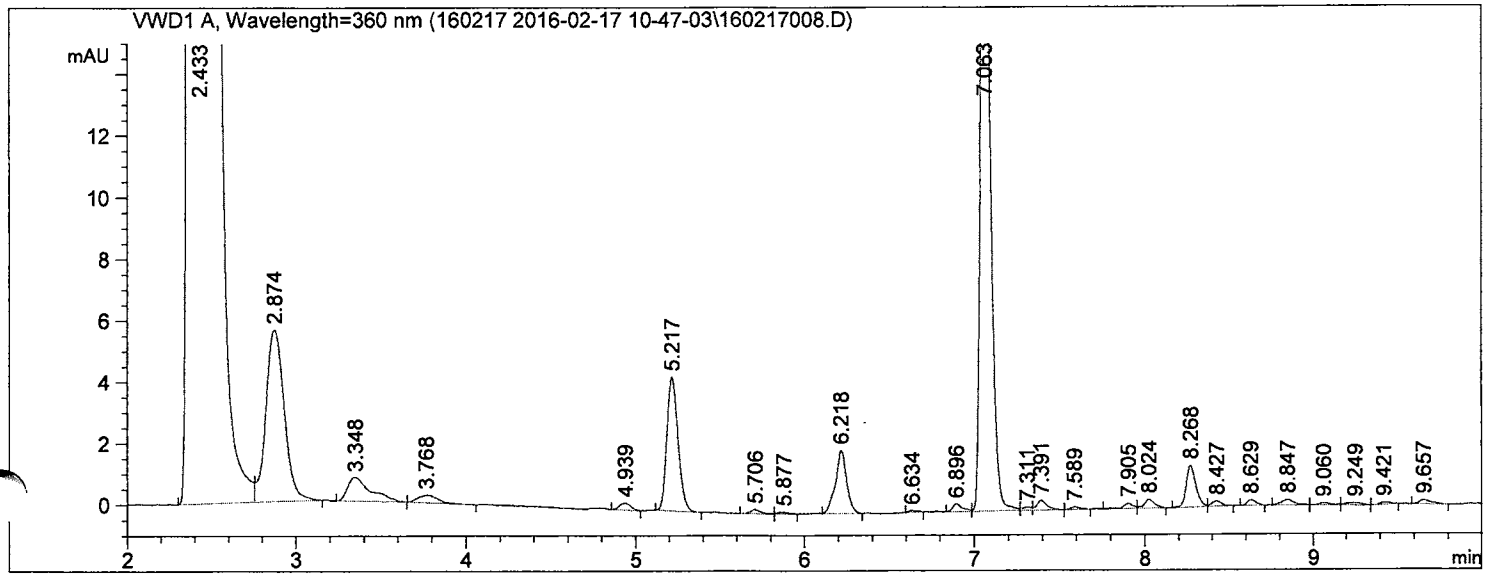
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217008.D
Sample Name: 061-031-25

==========

Acq. Operator : SYSTEM Seq. Line : 7
Acq. Instrument : Agilent 1260 Location : Vial 6
Injection Date : 2/17/2016 12:44:26 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-25; Collected: 2/8/2016; 16362; 58.78L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.217	1	BB	19.92018	1.38022e-2	549.88321		Formaldehyde;50-00-0
6.218	1	VB	9.40811	1.81391e-2	341.30923		Acetaldehyde;75-07-0

Totals : 891.19244

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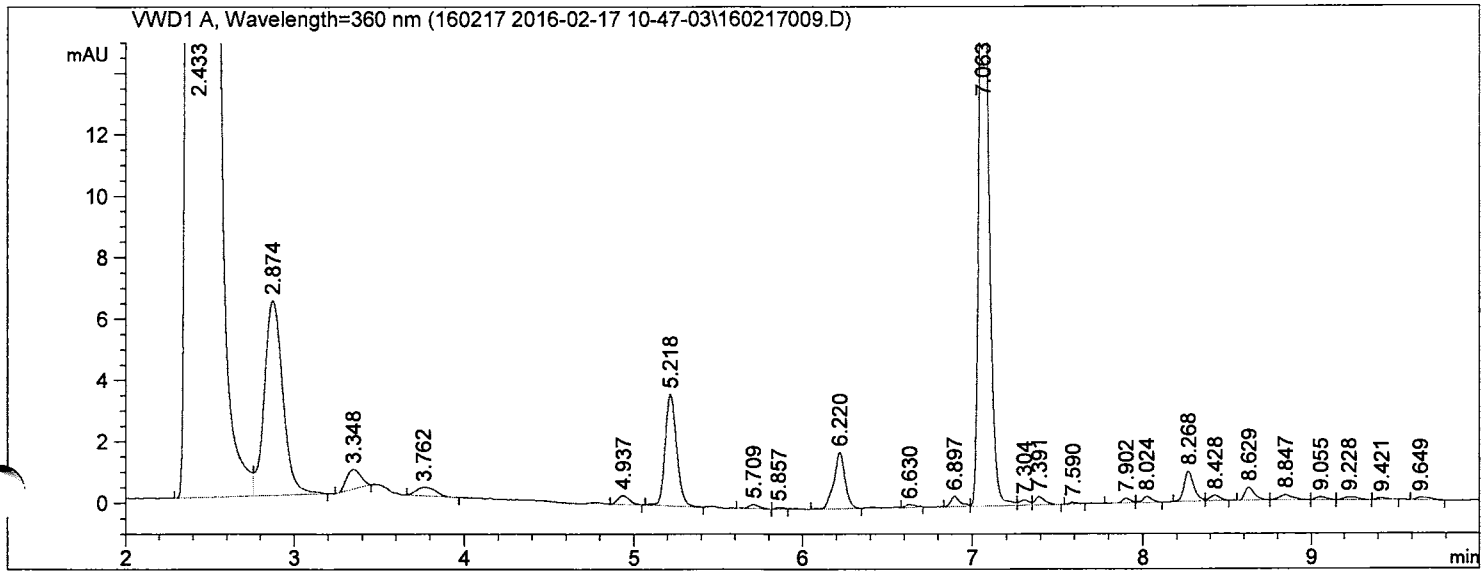
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217009.D
Sample Name: 061-031-26

==========

Acq. Operator : SYSTEM Seq. Line : 8
Acq. Instrument : Agilent 1260 Location : Vial 7
Injection Date : 2/17/2016 1:01:05 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-26; Collected: 2/8/2016; 16448; 56.46L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.218	1	BV	16.99006	1.38022e-2	468.99918		Formaldehyde;50-00-0
6.220	1	BB	8.41486	1.81391e-2	305.27595		Acetaldehyde;75-07-0

Totals : 774.27513

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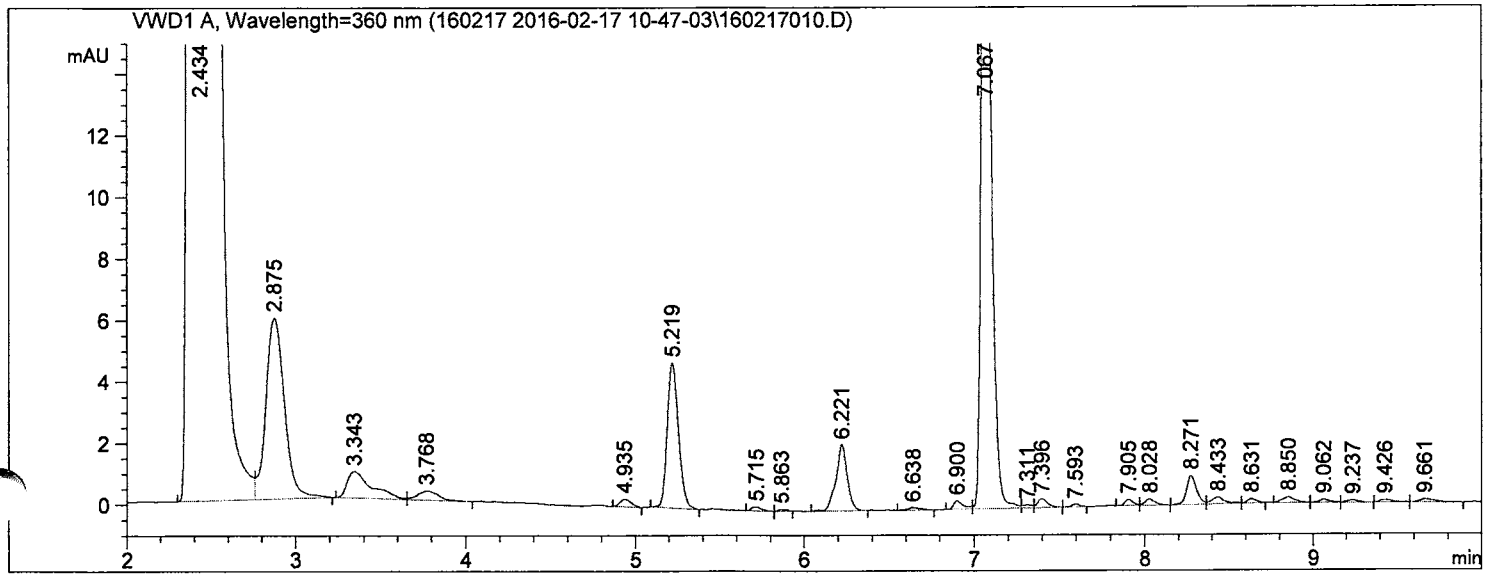
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217010.D
Sample Name: 061-031-27

==========

Acq. Operator : SYSTEM Seq. Line : 9
Acq. Instrument : Agilent 1260 Location : Vial 8
Injection Date : 2/17/2016 1:17:45 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-27; Collected: 2/8/2016; 16158; 57.25L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.219	1	BB	21.79805	1.38022e-2	601.72069		Formaldehyde;50-00-0
6.221	1	BB	10.03511	1.81391e-2	364.05580		Acetaldehyde;75-07-0

Totals : 965.77648

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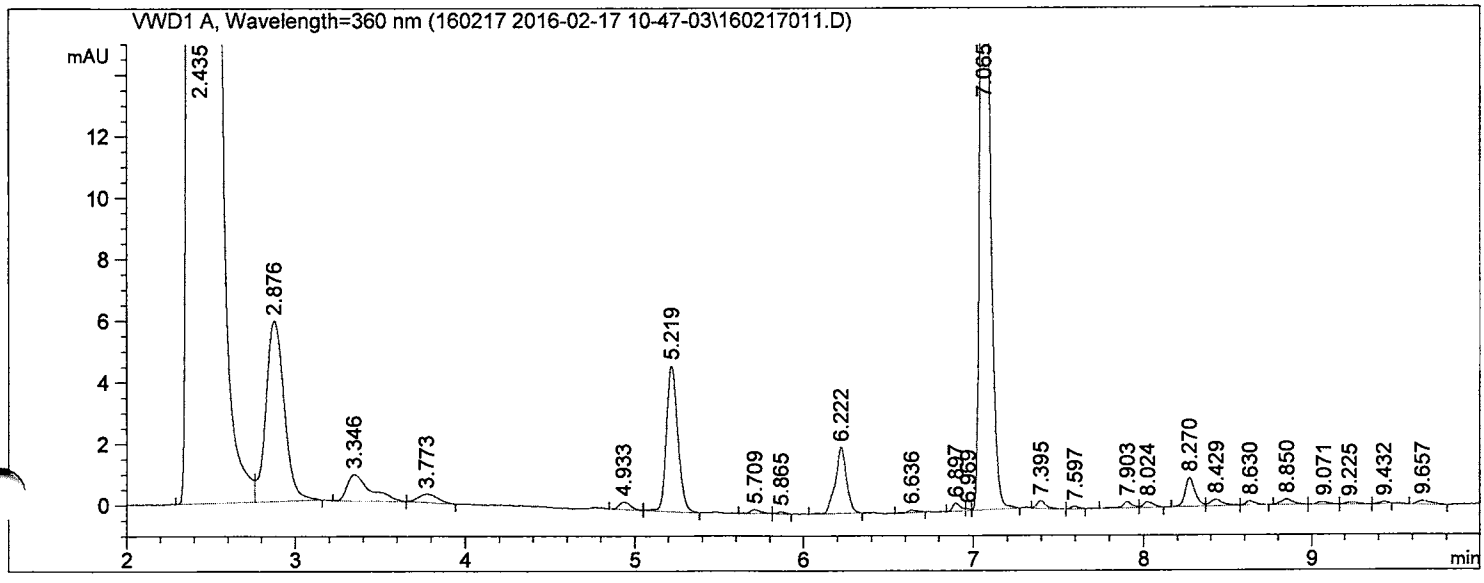
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217011.D
Sample Name: 061-031-27

==========

Acq. Operator : SYSTEM Seq. Line : 9
Acq. Instrument : Agilent 1260 Location : Vial 8
Injection Date : 2/17/2016 1:34:24 PM Inj : 2
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-27; Collected: 2/8/2016; 16158; 57.25L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.219	1	VB	22.23844	1.38022e-2	613.87746		Formaldehyde;50-00-0
6.222	1	BB	9.91492	1.81391e-2	359.69546		Acetaldehyde;75-07-0

Totals : 973.57292

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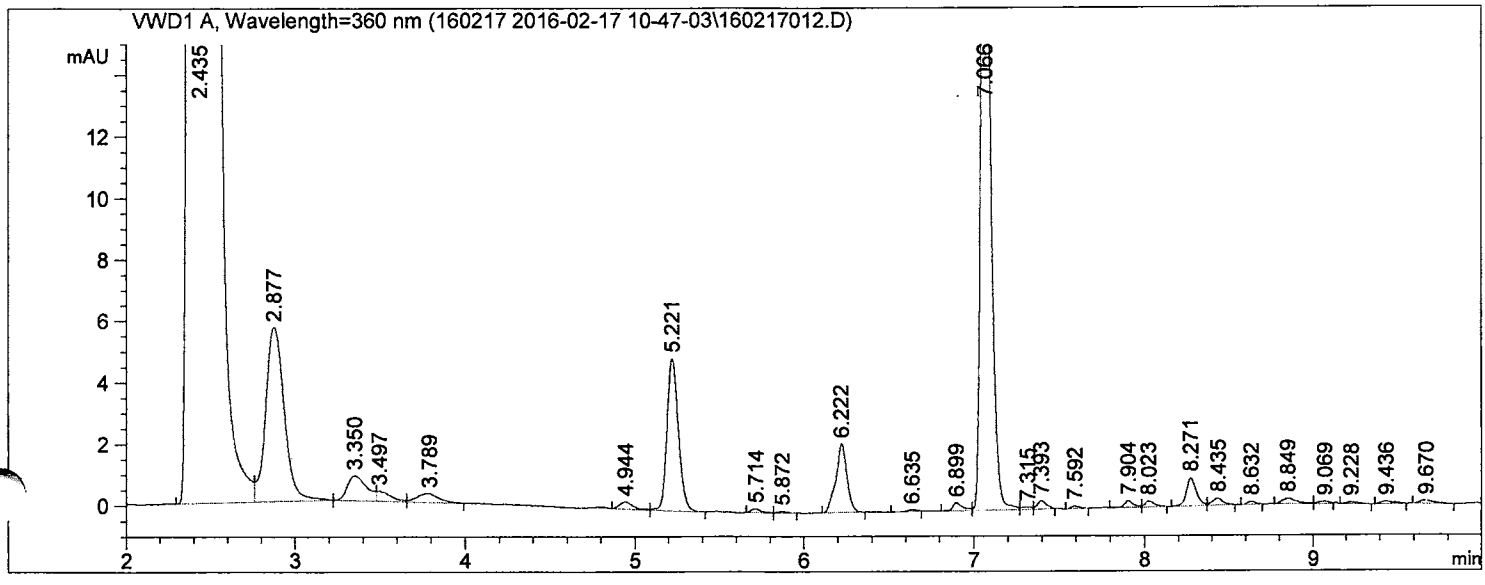
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217012.D
Sample Name: 061-031-28

==========

Acq. Operator : SYSTEM Seq. Line : 10
Acq. Instrument : Agilent 1260 Location : Vial 9
Injection Date : 2/17/2016 1:51:04 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-28; Collected: 2/8/2016; 16133; 57.1L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.221	1	VB	23.01740	1.38022e-2	635.37995		Formaldehyde;50-00-0
6.222	1	BB	10.13056	1.81391e-2	367.51846		Acetaldehyde;75-07-0

Totals : 1002.89841

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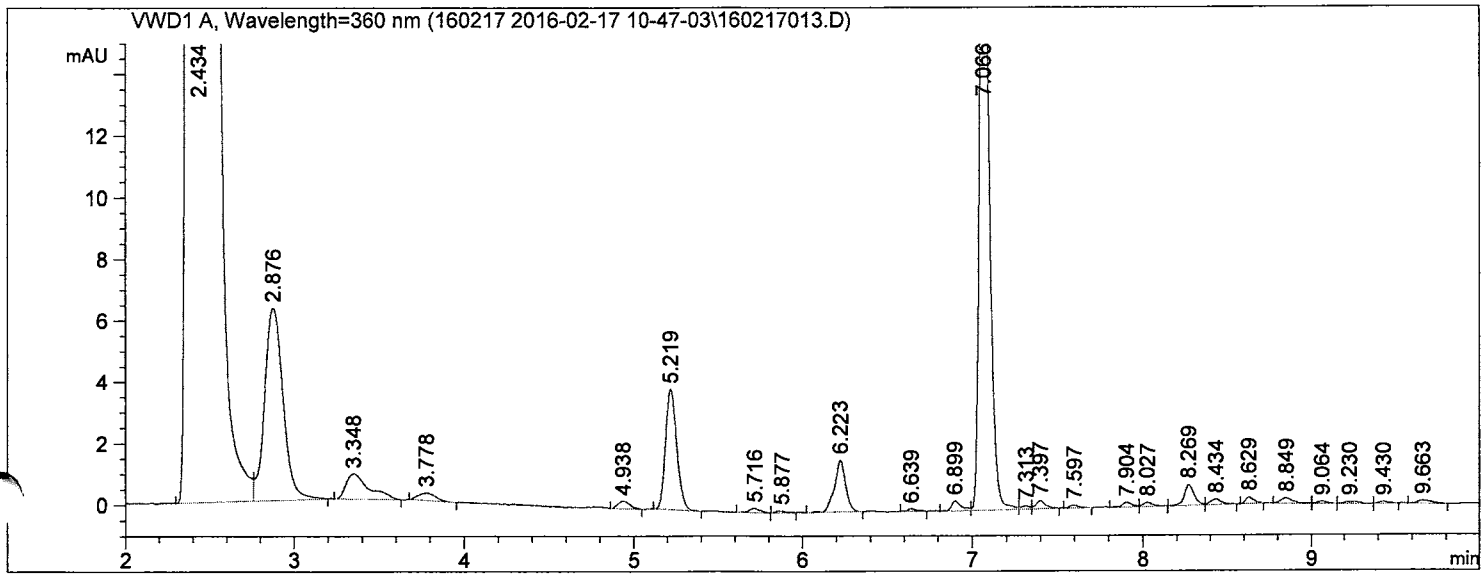
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217013.D
Sample Name: 061-031-29

==========

Acq. Operator : SYSTEM Seq. Line : 11
Acq. Instrument : Agilent 1260 Location : Vial 10
Injection Date : 2/17/2016 2:07:48 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-29; Collected: 2/8/2016; 17355; 54.54L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.219	1	BB	18.03412	1.38022e-2	497.81992		Formaldehyde;50-00-0
6.223	1	BB	7.78424	1.81391e-2	282.39831		Acetaldehyde;75-07-0

Totals : 780.21822

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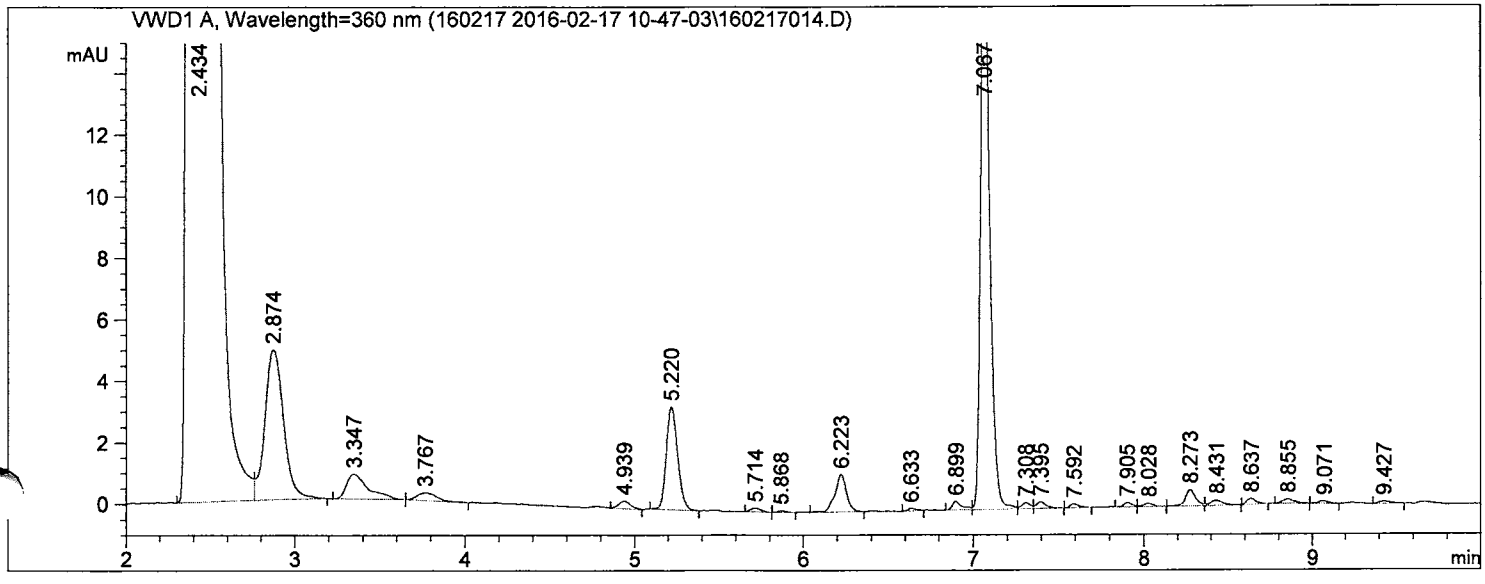
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217014.D
Sample Name: 061-031-30

==========

Acq. Operator : SYSTEM Seq. Line : 12
Acq. Instrument : Agilent 1260 Location : Vial 11
Injection Date : 2/17/2016 2:24:28 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-30; Collected: 2/8/2016; 17446; 54.33L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.220	1	BB	15.53664	1.38022e-2	428.87860		Formaldehyde;50-00-0
6.223	1	BB	5.84717	1.81391e-2	212.12470		Acetaldehyde;75-07-0

Totals : 641.00331

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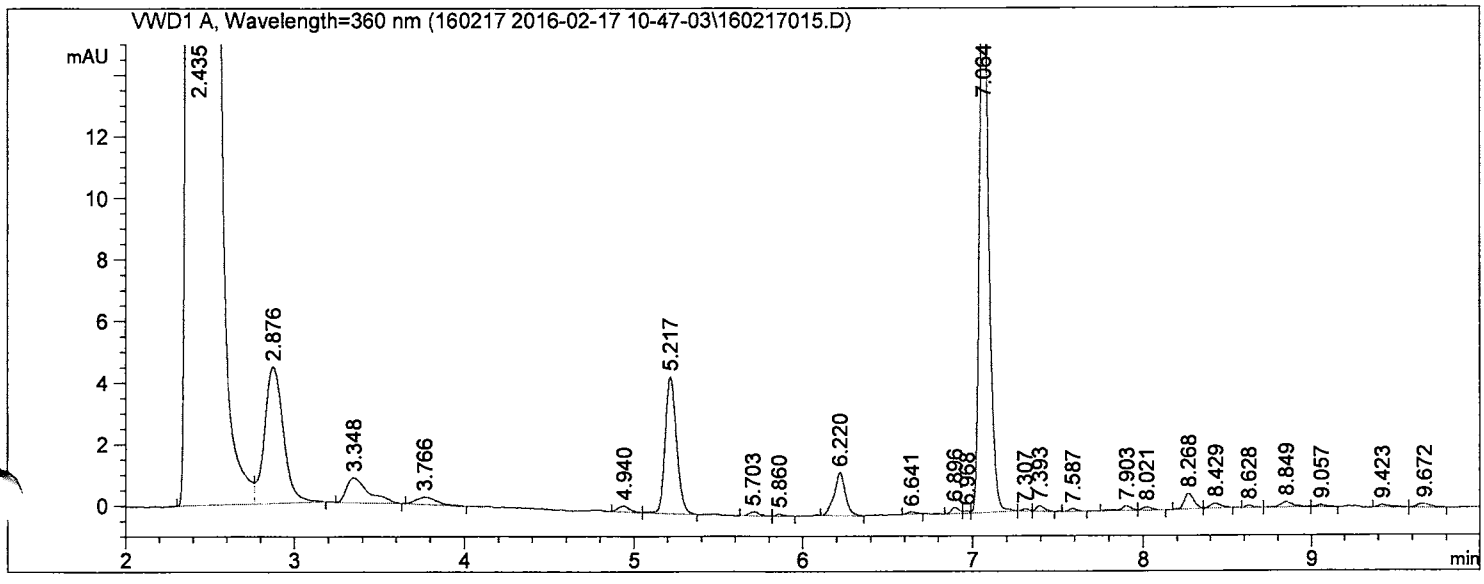
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217015.D
Sample Name: 061-031-31

==========

Acq. Operator : SYSTEM Seq. Line : 13
Acq. Instrument : Agilent 1260 Location : Vial 12
Injection Date : 2/17/2016 2:41:06 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-31; Collected: 2/8/2016; 17144; 53.59L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.217	1	VB	20.83073	1.38022e-2	575.01837		Formaldehyde;50-00-0
6.220	1	BB	6.41575	1.81391e-2	232.75205		Acetaldehyde;75-07-0

Totals : 807.77042

==========

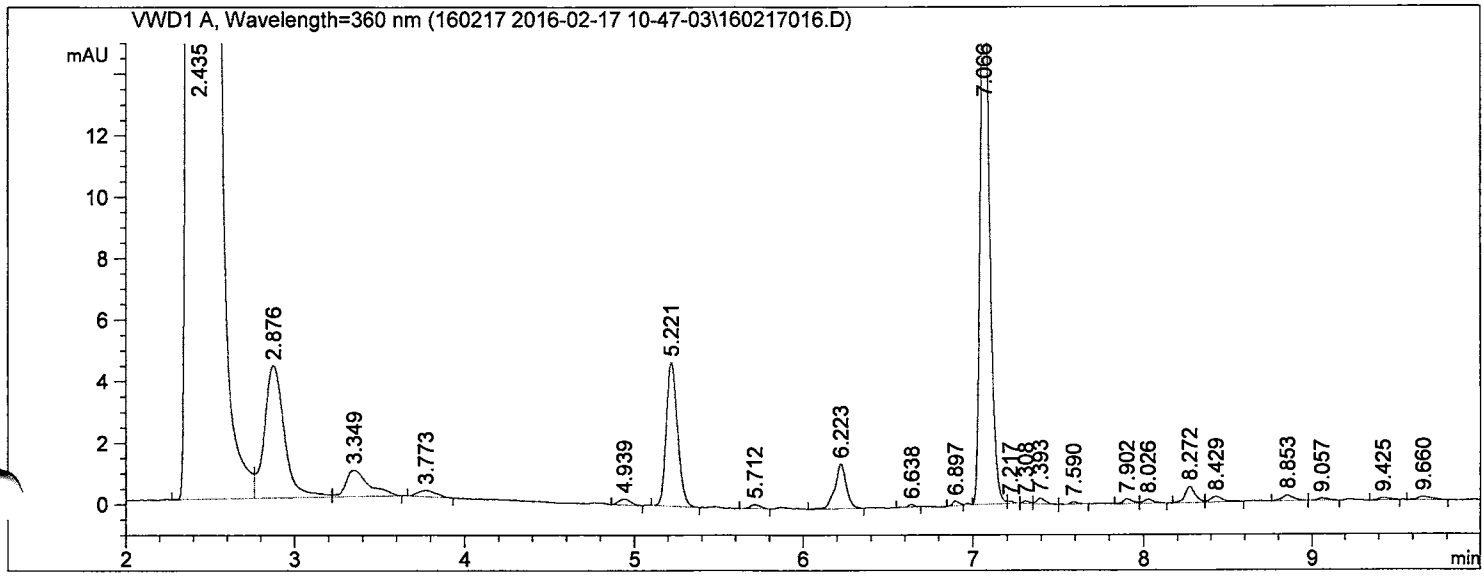
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217016.D
Sample Name: 061-031-32

==========

Acq. Operator : SYSTEM Seq. Line : 14
Acq. Instrument : Agilent 1260 Location : Vial 13
Injection Date : 2/17/2016 2:57:45 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-32; Collected: 2/8/2016; 17132; 52.17L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.221	1	BB	21.52961	1.38022e-2	594.31062		Formaldehyde;50-00-0
6.223	1	BB	6.88031	1.81391e-2	249.60514		Acetaldehyde;75-07-0

Totals : 843.91576

==========

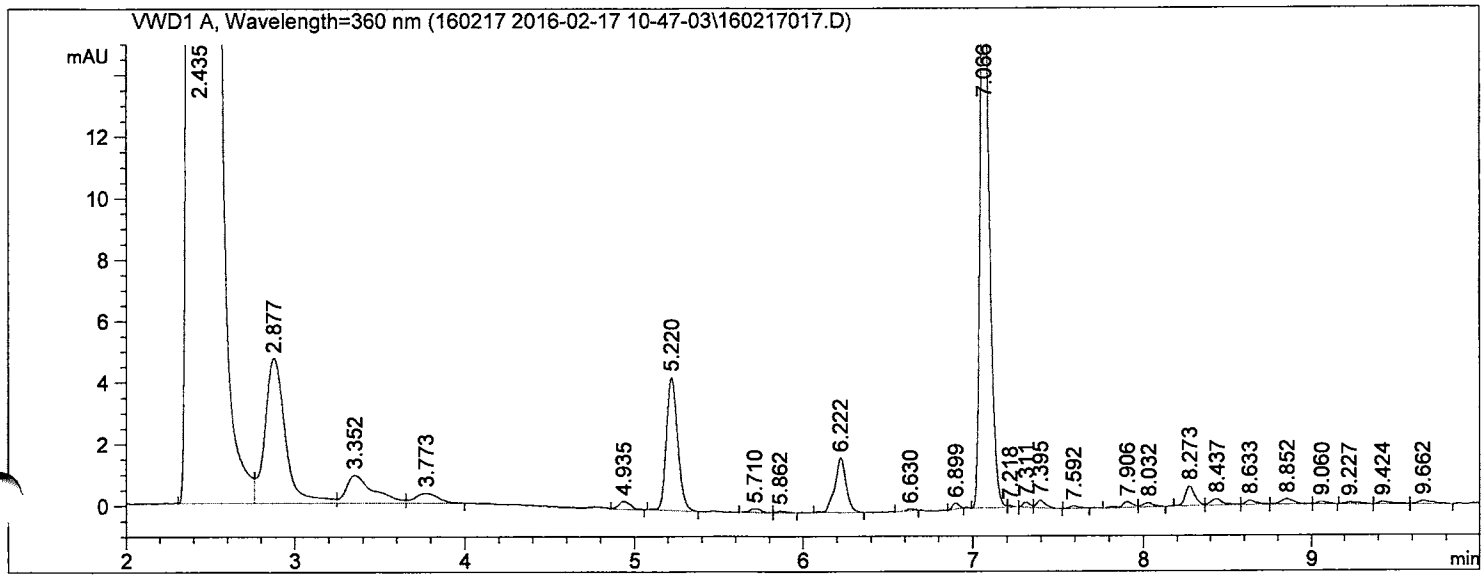
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217017.D
Sample Name: 061-031-33

==========

Acq. Operator : SYSTEM Seq. Line : 15
Acq. Instrument : Agilent 1260 Location : Vial 14
Injection Date : 2/17/2016 3:14:25 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-33; Collected: 2/8/2016; 18446; 52.43L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.220	1	BB	19.93000	1.38022e-2	550.15447		Formaldehyde;50-00-0
6.222	1	BB	8.22515	1.81391e-2	298.39352		Acetaldehyde;75-07-0

Totals : 848.54799

==========

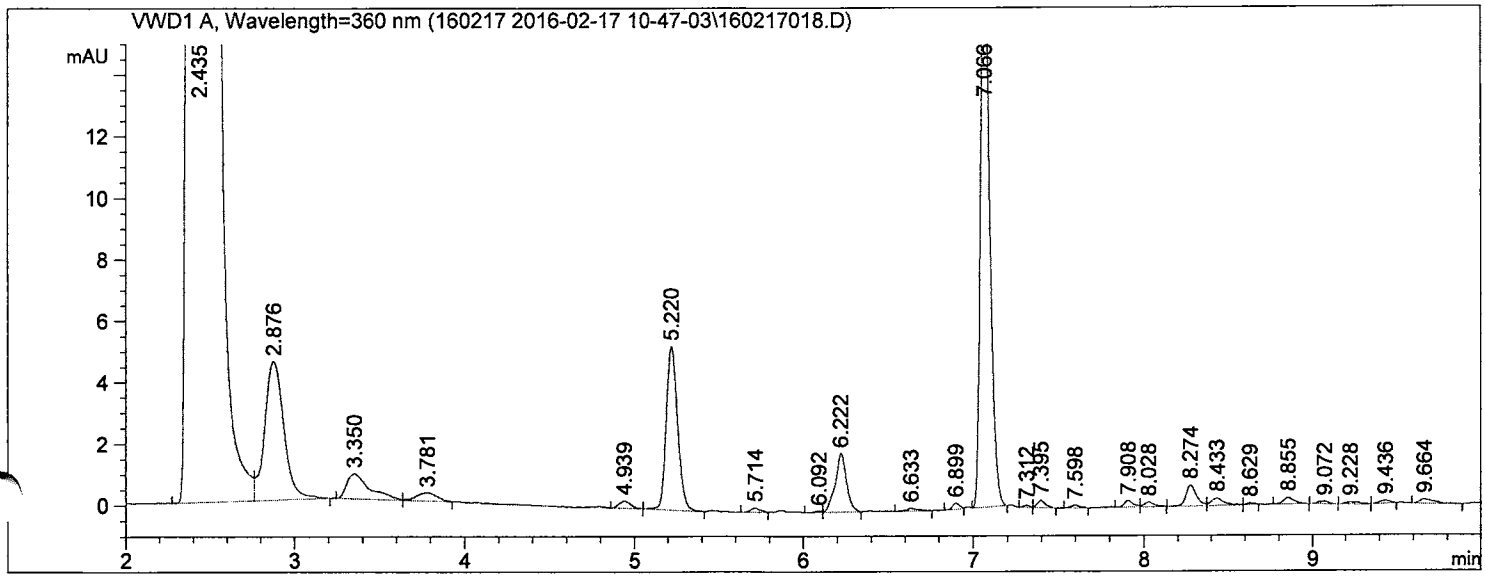
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217018.D
Sample Name: 061-031-34

==========

Acq. Operator : SYSTEM Seq. Line : 16
Acq. Instrument : Agilent 1260 Location : Vial 15
Injection Date : 2/17/2016 3:31:04 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-34; Collected: 2/8/2016; 18113; 55.09L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.220	1	BB	24.88452	1.38022e-2	686.92063		Formaldehyde;50-00-0
6.222	1	VB	8.78778	1.81391e-2	318.80502		Acetaldehyde;75-07-0

Totals : 1005.72565

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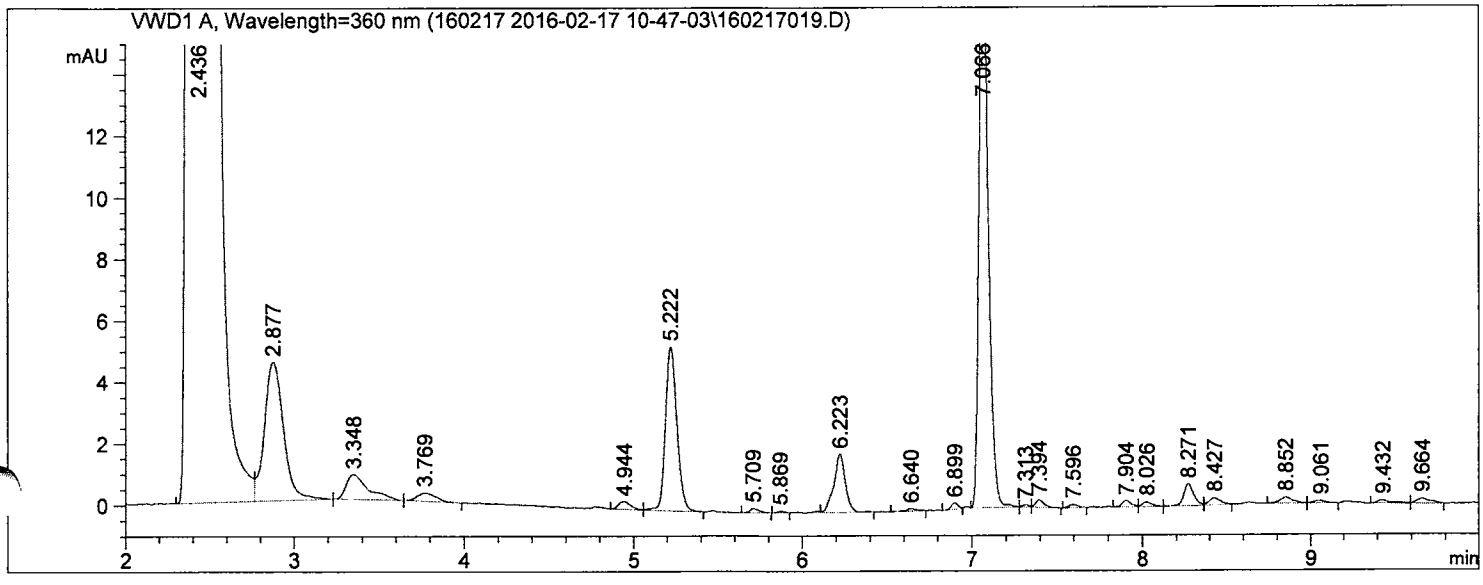
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217019.D
Sample Name: 061-031-34

==========

Acq. Operator : SYSTEM
Seq. Line : 16
Acq. Instrument : Agilent 1260
Location : Vial 15
Injection Date : 2/17/2016 3:47:44 PM
Inj : 2
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-34; Collected: 2/8/2016; 18113; 55.09L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.222	1	VB	25.05635	1.38022e-2	691.66397		Formaldehyde;50-00-0
6.223	1	VB	8.82484	1.81391e-2	320.14921		Acetaldehyde;75-07-0

Totals : 1011.81317

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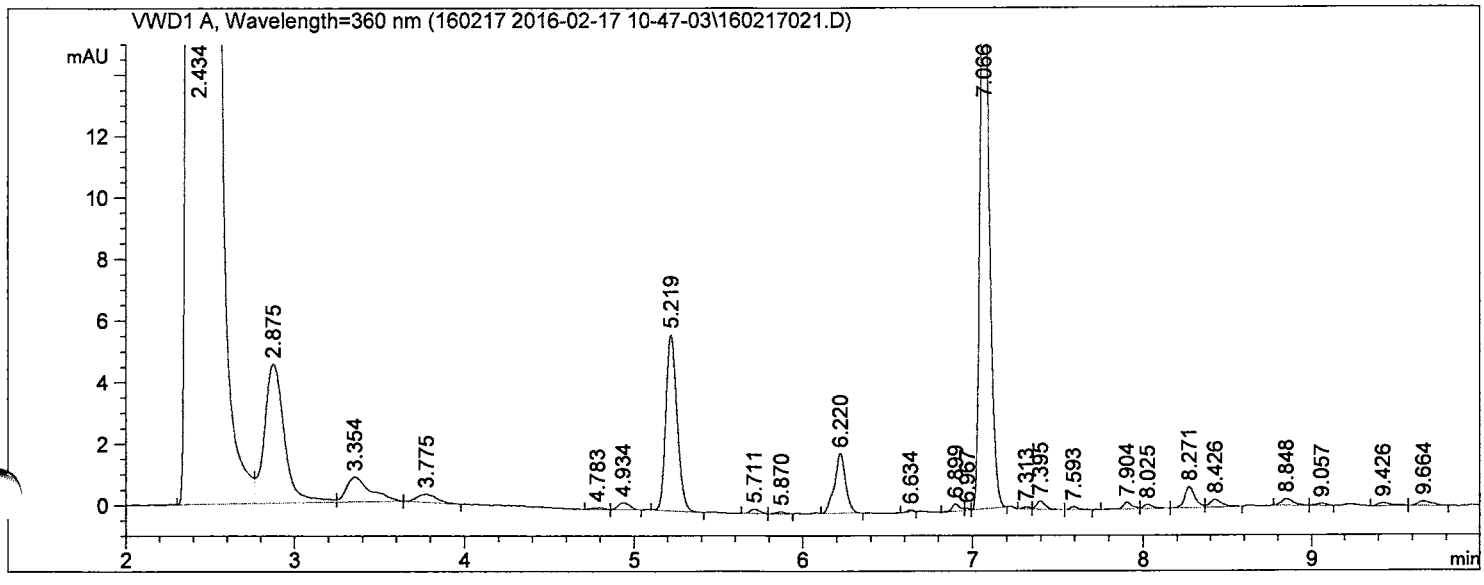
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217021.D
Sample Name: 061-031-35

==========

Acq. Operator : SYSTEM Seq. Line : 18
Acq. Instrument : Agilent 1260 Location : Vial 16
Injection Date : 2/17/2016 4:21:07 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-35; Collected: 2/8/2016; 18243; 54.11L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.219	1	BB	26.38828	1.38022e-2	728.43080		Formaldehyde;50-00-0
6.220	1	BB	8.86769	1.81391e-2	321.70378		Acetaldehyde;75-07-0

Totals : 1050.13458

==========

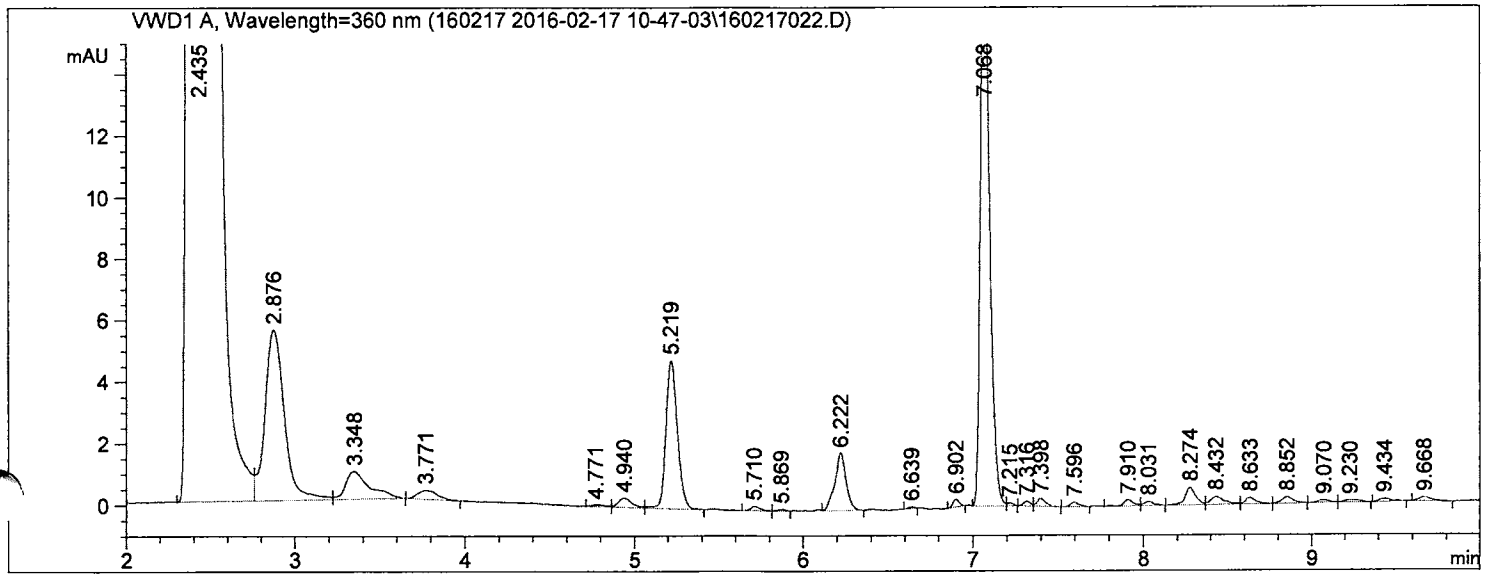
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217022.D
Sample Name: 061-031-36

==========

Acq. Operator : SYSTEM Seq. Line : 19
Acq. Instrument : Agilent 1260 Location : Vial 17
Injection Date : 2/17/2016 4:37:46 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-36; Collected: 2/8/2016; 18357; 55.58L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.219	1	VB	22.64681	1.38022e-2	625.15011		Formaldehyde;50-00-0
6.222	1	VB	8.61847	1.81391e-2	312.66260		Acetaldehyde;75-07-0

Totals : 937.81271

==========

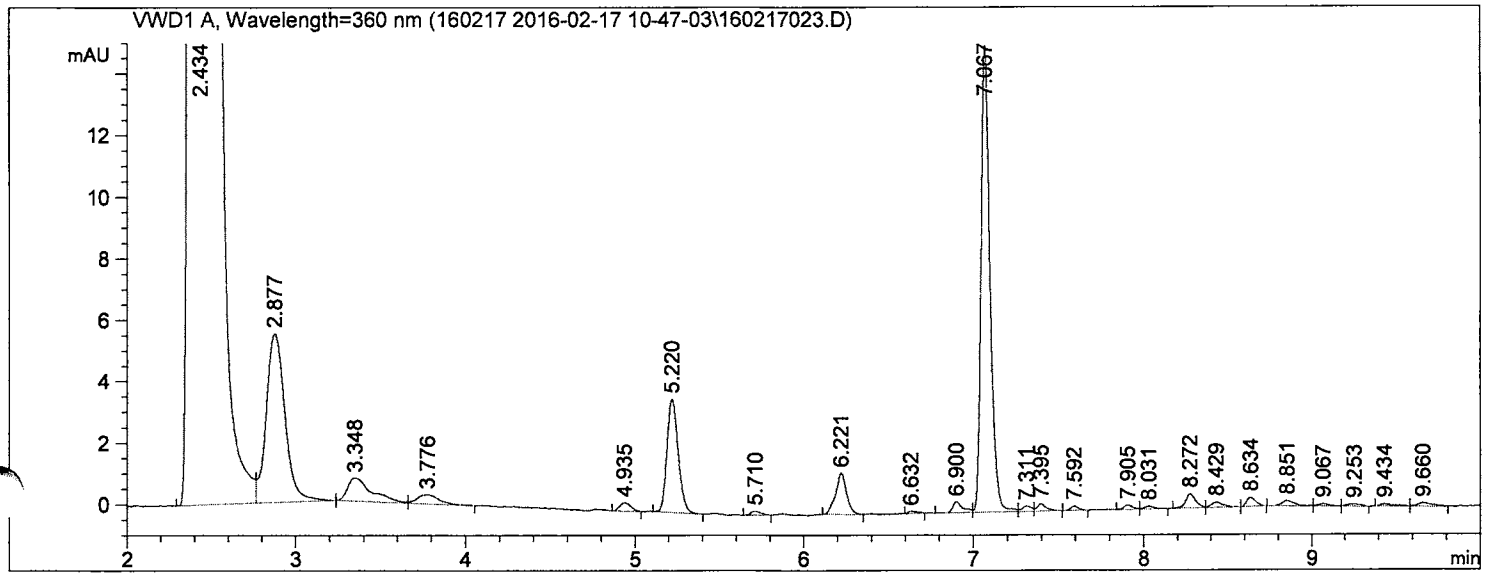
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217023.D
Sample Name: 061-031-37

==========

Acq. Operator : SYSTEM Seq. Line : 20
Acq. Instrument : Agilent 1260 Location : Vial 18
Injection Date : 2/17/2016 4:54:26 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-37; Collected: 2/8/2016; 19310; 52.33L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.220	1	BB	16.97536	1.38022e-2	468.59356		Formaldehyde;50-00-0
6.221	1	BB	5.99987	1.81391e-2	217.66447		Acetaldehyde;75-07-0

Totals : 686.25803

==========

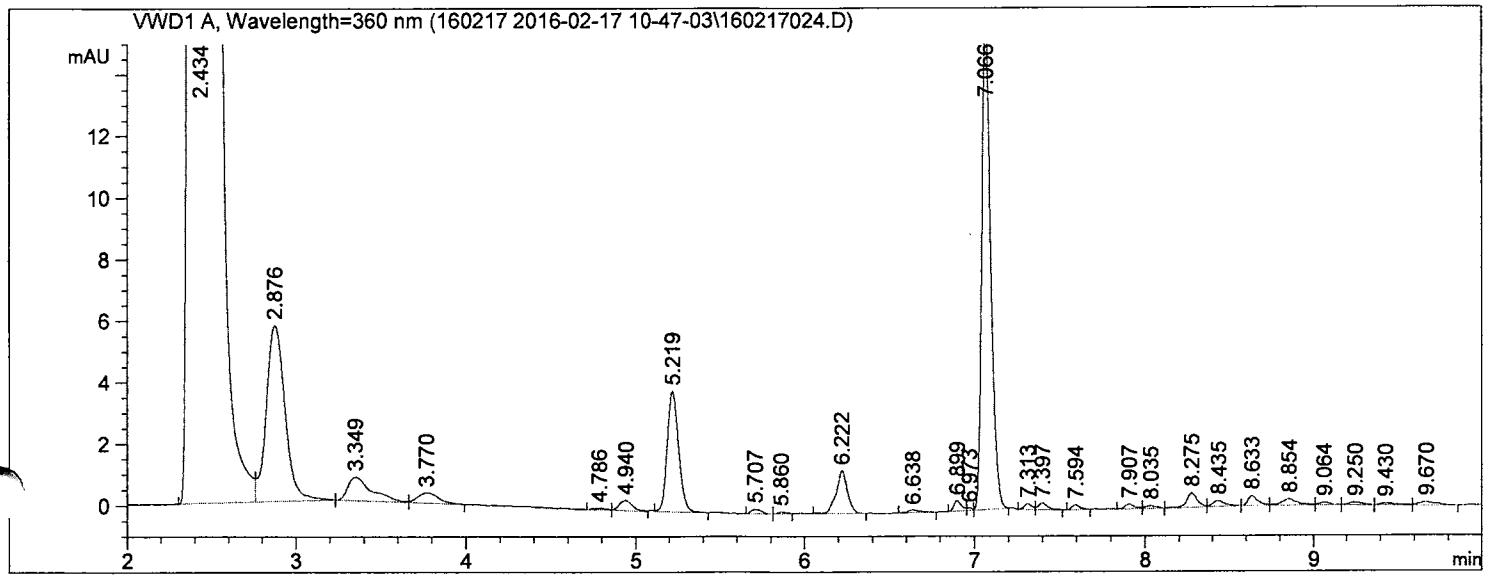
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217024.D
Sample Name: 061-031-38

==========

Acq. Operator : SYSTEM Seq. Line : 21
Acq. Instrument : Agilent 1260 Location : Vial 19
Injection Date : 2/17/2016 5:11:08 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-38; Collected: 2/8/2016; 19415; 52.03L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.219	1	VB	18.33327	1.38022e-2	506.07777		Formaldehyde;50-00-0
6.222	1	BV	6.39982	1.81391e-2	232.17378		Acetaldehyde;75-07-0

Totals : 738.25155

==========

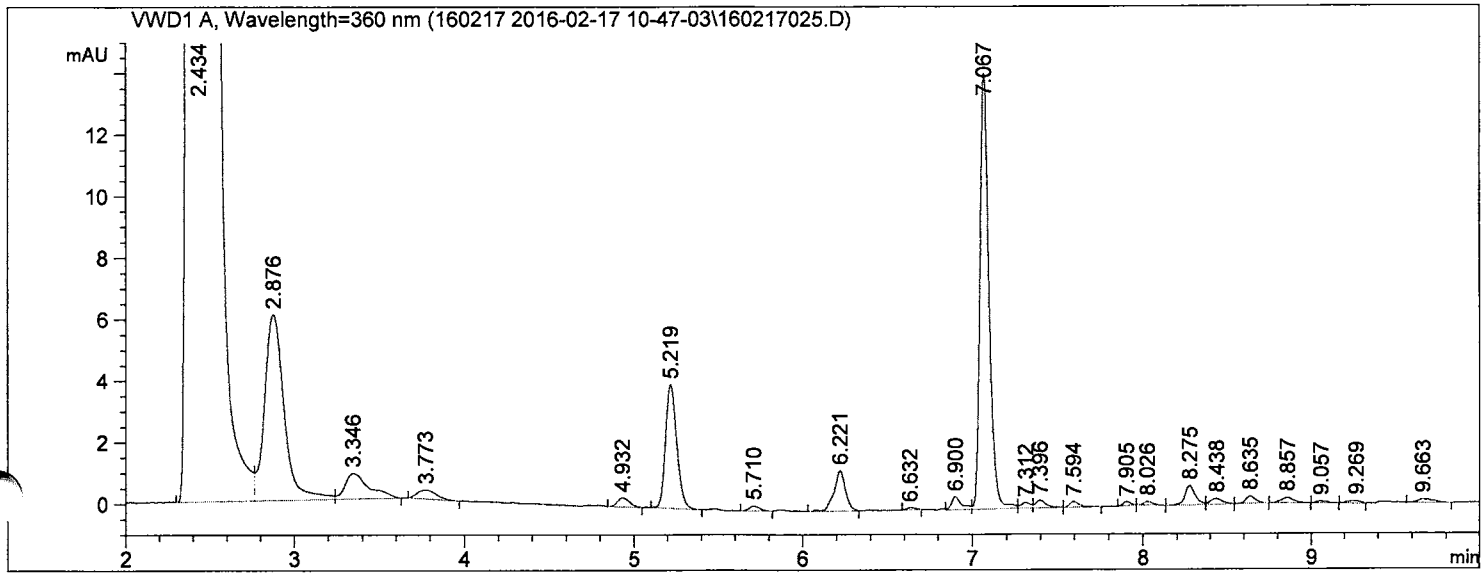
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217025.D
Sample Name: 061-031-39

==========

Acq. Operator : SYSTEM Seq. Line : 22
Acq. Instrument : Agilent 1260 Location : Vial 20
Injection Date : 2/17/2016 5:27:51 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-39; Collected: 2/8/2016; 19331; 55.32L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.219	1	BB	18.54304	1.38022e-2	511.86818		Formaldehyde;50-00-0
6.221	1	BB	6.24604	1.81391e-2	226.59522		Acetaldehyde;75-07-0

Totals : 738.46339

==========

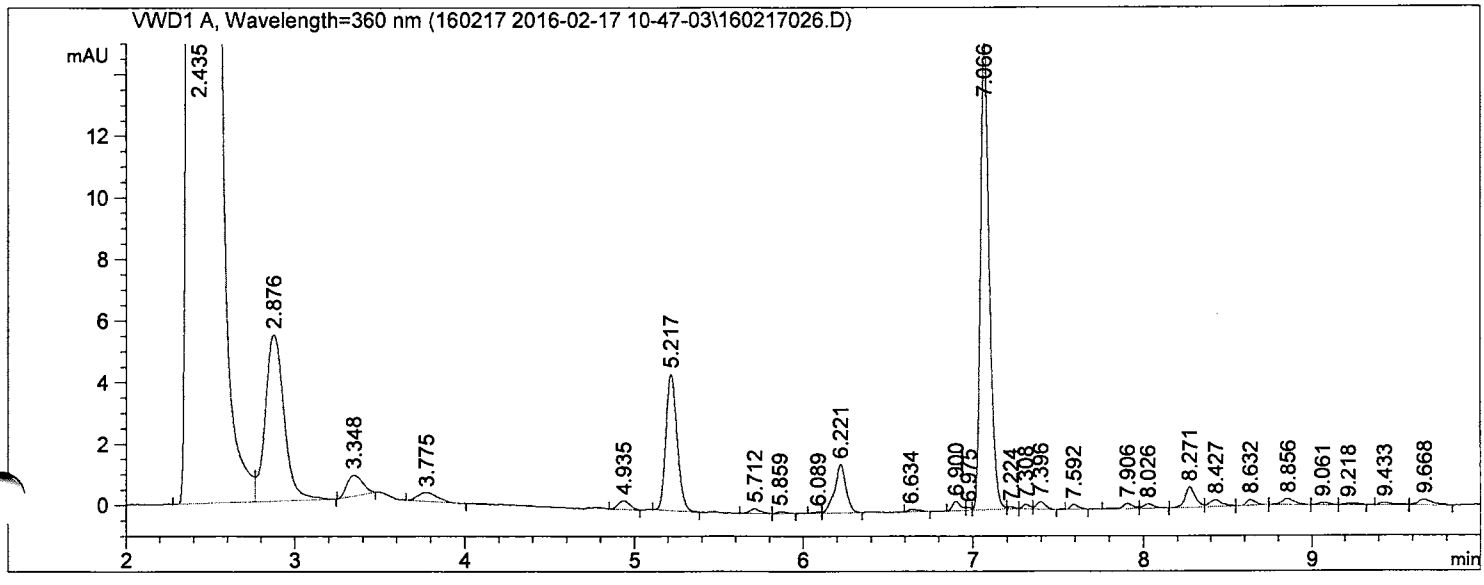
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217026.D
Sample Name: 061-031-40

==========

Acq. Operator : SYSTEM Seq. Line : 23
Acq. Instrument : Agilent 1260 Location : Vial 21
Injection Date : 2/17/2016 5:44:32 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-40; Collected: 2/8/2016; 19123; 54.86L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.217	1	BB	20.40193	1.38022e-2	563.18182		Formaldehyde;50-00-0
6.221	1	VB	7.38414	1.81391e-2	267.88346		Acetaldehyde;75-07-0

Totals : 831.06528

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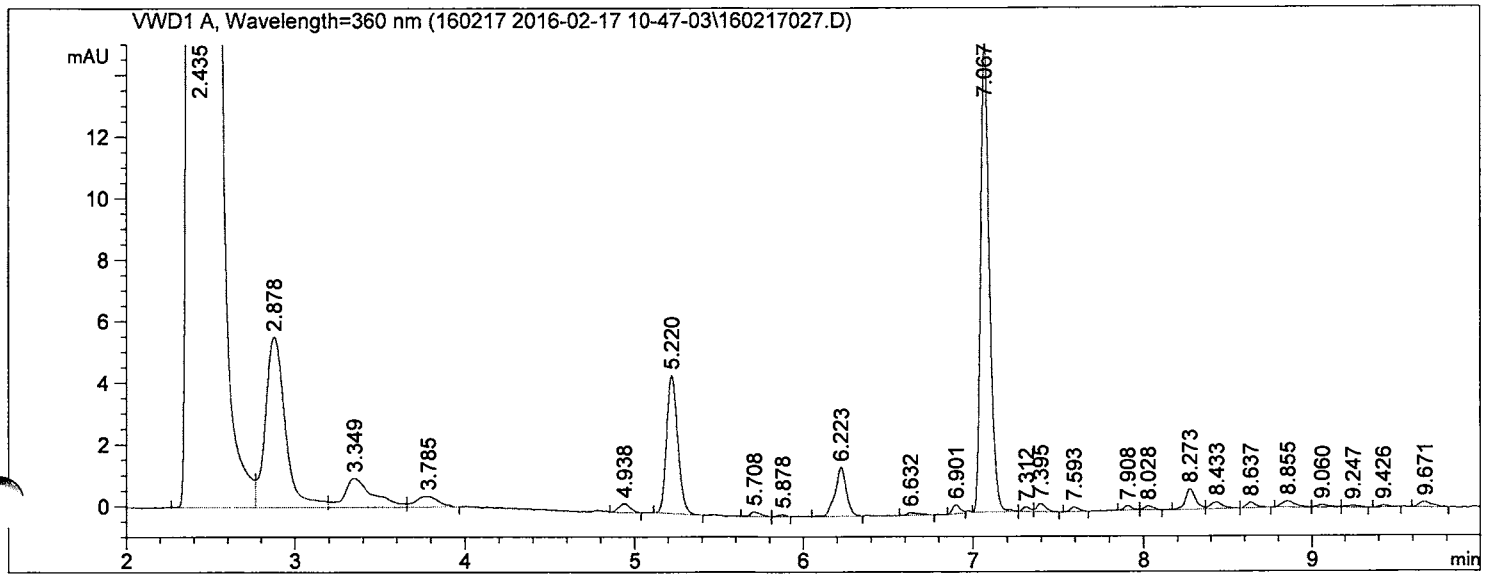
*** End of Report ***

Data File C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\160217027.D
Sample Name: 061-031-40

==========

Acq. Operator : SYSTEM Seq. Line : 23
Acq. Instrument : Agilent 1260 Location : Vial 21
Injection Date : 2/17/2016 6:01:11 PM Inj : 2
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160217 2016-02-17 10-47-03\FORMALDEHYDE.M
Last changed : 2/17/2016 10:47:03 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/11/2016 9:58:16 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA F10-40; Collected: 2/8/2016; 19123; 54.86L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/11/2016 9:58:16 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Do not 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
5.220	1	BB	20.51746	1.38022e-2	566.37074		Formaldehyde;50-00-0
6.223	1	BB	7.35411	1.81391e-2	266.79405		Acetaldehyde;75-07-0

Totals : 833.16479

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*** End of Report ***

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_07.D
Acq On : 12 Feb 2016 5:52 pm
Operator : rgill
Sample : 061-031-01_US EPA; C10-021; 15322; 5.889L
Misc : Mi59958; 107ngBFB;10:1 split
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 16 11:31:14 2016
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	638301	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	638301	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	638301	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	0.000	95	0m	107.00 ng	-13.94
60) 1-Bromo-4-flourobenzen...	13.933	95	638301	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	638301	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. 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	99833	64.73 ng	94
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.	

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. 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.
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. d
89)	DPGME isomer 3; 34590-...	0.000	0	N.D. 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 Tue Feb 16 11:31:18 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_08.D
Acq On : 12 Feb 2016 6:37 pm
Operator : rgill
Sample : 061-031-02_US EPA; C10-022; 15248; 5.984L
Misc : Mi51119; 107ngBFB;10:1 split
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 16 11:32:29 2016
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	654003	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	654003	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	654003	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	654003	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	654003	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	654003	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. 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	78220	49.39 ng	94
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.	

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. 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. 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. d
89)	DPGME isomer 3; 34590-...	0.000	0	N.D. 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 Tue Feb 16 11:32:32 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_09.D
Acq On : 12 Feb 2016 7:23 pm
Operator : rgill
Sample : 061-031-03_US EPA; C10-023; 15156; 5.914L
Misc : Mi193211; 107ngBFB;10:1 split
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 16 11:33:39 2016
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...	13.928	95	606223	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	606223	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	606223	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	606223	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	606223	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	606223	107.00 ng	#-0.01

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. 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	77645	52.92 ng	96
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. 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.
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. 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.
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 Tue Feb 16 11:33:43 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_10.D
Acq On : 12 Feb 2016 8:09 pm
Operator : rgill
Sample : 061-031-04_US EPA; C10-024; 15162; 5.413L
Misc : Mi59923; 107ngBFB;10:1 split
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 16 11:34:45 2016
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	651520	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	651520	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	651520	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	651520	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	651520	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	651520	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. 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	100386	63.75 ng	93
23) 1-Methoxy-2-propanol; ...	0.000		0	N.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.	
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. 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. 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 Tue Feb 16 11:34:49 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_11.D
Acq On : 12 Feb 2016 8:55 pm
Operator : rgill
Sample : 061-031-05_US EPA; C10-025; 16362; 6.015L
Misc : Mi59936; 107ngBFB;10:1 split
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 16 11:36:09 2016
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	656630	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	656630	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	656630	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	656630	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	656630	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	656630	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. 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	91586	57.67 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. 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.
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. 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 Tue Feb 16 11:36:13 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_12.D
Acq On : 12 Feb 2016 9:41 pm
Operator : rgill
Sample : 061-031-06_US EPA; C10-026; 16448; 6.129L
Misc : Mi59956; 107ngBFB;10:1 split
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 16 11:37:22 2016
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...	13.928	95	658018	107.00	ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	658018	107.00	ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	658018	107.00	ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	658018	107.00	ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	658018	107.00	ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	658018	107.00	ng	#-0.01

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. 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	23.700	113	54434m	34.09 ng	
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.	
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.
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.
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 Tue Feb 16 11:37:25 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_13.D
Acq On : 12 Feb 2016 10:27 pm
Operator : rgill
Sample : 061-031-07_US EPA; C10-027; 16158; 5.892L
Misc : 242446; 107ngBFB;10:1 split
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 16 11:38:33 2016
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	665717	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	665717	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	665717	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	665717	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	665717	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	665717	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	84400	52.38 ng	94
23) 1-Methoxy-2-propanol; ...	0.000		0	N.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.	
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.
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. d
72)	1-Undecene; 821-95-4	0.000	0	N.D. 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.
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. 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 Tue Feb 16 11:38:37 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_14.D
Acq On : 12 Feb 2016 11:12 pm
Operator : rgill
Sample : 061-031-08_US EPA; C10-028; 16133; 5.811L
Misc : Mi51173; 107ngBFB;10:1 split
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 16 11:39:31 2016
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...	13.928	95	668359	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	668359	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	668359	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	668359	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	668359	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	668359	107.00 ng	#-0.01

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. 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	95565	59.13 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. 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.
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. 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. 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 Tue Feb 16 11:39:34 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_15.D
Acq On : 12 Feb 2016 11:59 pm
Operator : rgill
Sample : 061-031-09_US EPA; C10-029; 17355; 5.549L
Misc : Mi59927; 107ngBFB;10:1 split
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 16 11:40:38 2016
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	670568	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	670568	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	670568	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	670568	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	670568	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	670568	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	102080	62.98 ng	95
23) 1-Methoxy-2-propanol; ...	0.000		0	N.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. 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. 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 Tue Feb 16 11:40:41 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_16.D
Acq On : 13 Feb 2016 12:45 am
Operator : rgill
Sample : 061-031-10_US EPA; C10-030; 17446; 5.591L
Misc : Mi51154; 107ngBFB;10:1 split
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 16 11:42:14 2016
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	632481	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	632481	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	632481	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	632481	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	632481	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	632481	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. 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	72282	47.18 ng	94
23) 1-Methoxy-2-propanol; ...	0.000		0	N.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.	
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.
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. 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 Tue Feb 16 11:42:18 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_17.D
Acq On : 13 Feb 2016 1:31 am
Operator : rgill
Sample : 061-031-11_US EPA; C10-031; 17144; 5.415L
Misc : Mi58837; 107ngBFB;10:1 split
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 16 11:43:17 2016
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	635745	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	635745	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	635745	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	635745	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	635745	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	635745	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. 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	98786	64.30 ng	94
23) 1-Methoxy-2-propanol; ...	0.000		0	N.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. 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.
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. d
72)	1-Undecene; 821-95-4	0.000	0	N.D. 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 Tue Feb 16 11:43:20 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_18.D
Acq On : 13 Feb 2016 2:17 am
Operator : rgill
Sample : 061-031-12_US EPA; C10-032; 17132; 5.618L
Misc : Mi58847; 107ngBFB;10:1 split
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 16 11:44:13 2016
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...	13.929	95	653488	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.929	95	653488	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.929	95	653488	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.929	95	653488	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.929	95	653488	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.929	95	653488	107.00 ng	#-0.01

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. 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	138678	88.10 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. 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.
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. 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. 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 Tue Feb 16 11:44:16 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_19.D
Acq On : 13 Feb 2016 3:02 am
Operator : rgill
Sample : 061-031-13_US EPA; C10-033; 18446; 5.411L
Misc : Mi59953; 107ngBFB;10:1 split
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 16 11:45:14 2016
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	643660	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	643660	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	643660	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	643660	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	643660	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	643660	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. 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	92276	59.28 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. 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.
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. d
72)	1-Undecene; 821-95-4	0.000	0	N.D. 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 Tue Feb 16 11:45:18 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_20.D
Acq On : 13 Feb 2016 3:48 am
Operator : rgill
Sample : 061-031-14_US EPA; C10-034; 18113; 5.625L
Misc : 203159; 107ngBFB;10:1 split
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 16 11:46:12 2016
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	612464	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	612464	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	612464	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	612464	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	612464	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	612464	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. 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	113298	76.68 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. 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.
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. 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. 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. d
89)	DPGME isomer 3; 34590-...	0.000	0	N.D. 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 Tue Feb 16 11:46:15 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_21.D
Acq On : 13 Feb 2016 4:35 am
Operator : rgill
Sample : 061-031-15_US EPA; C10-035; 18243; 5.835L
Misc : 203169; 107ngBFB;10:1 split
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 16 11:47:13 2016
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...	13.929	95	617627	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.929	95	617627	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.929	95	617627	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.929	95	617627	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.929	95	617627	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.929	95	617627	107.00 ng	#-0.01
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. 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	23.690	113	122066	81.98 ng	96
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. 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. 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. d
72)	1-Undecene; 821-95-4	0.000	0	N.D. 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. 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. d
89)	DPGME isomer 3; 34590-...	0.000	0	N.D. d
90)	1,1'-Oxybis-2-propanol...	0.000	0	N.D. 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 Tue Feb 16 11:47:17 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_22.D
Acq On : 13 Feb 2016 5:20 am
Operator : rgill
Sample : 061-031-16_US EPA; C10-036; 18357; 5.704L
Misc : Mi59933; 107ngBFB;10:1 split
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 16 11:48:10 2016
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...	13.929	95	663041	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.929	95	663041	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.929	95	663041	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.929	95	663041	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.929	95	663041	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.929	95	663041	107.00 ng	#-0.01

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	118436	74.02 ng	96
23) 1-Methoxy-2-propanol; ...	0.000		0	N.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. 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.
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. 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. 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 Tue Feb 16 11:48:14 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_23.D
Acq On : 13 Feb 2016 6:06 am
Operator : rgill
Sample : 061-031-17_US EPA; C10-037; 19310; 5.328L
Misc : 203165; 107ngBFB;10:1 split
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 16 11:49:16 2016
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...	13.928	95	607879	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	607879	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	607879	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	607879	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	607879	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	607879	107.00 ng	#-0.01
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	112960	77.03 ng	95
23) 1-Methoxy-2-propanol; ...	0.000		0	N.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. 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.
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 Tue Feb 16 11:49:19 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_24.D
Acq On : 13 Feb 2016 6:52 am
Operator : rgill
Sample : 061-031-18_US EPA; C10-038; 19415; 5.6lL
Misc : Mi193222; 107ngBFB;10:1 split
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 16 11:50:14 2016
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...	13.929	95	644422	107.00	ng	0.00
22) 1-Bromo-4-flourobenzen...	13.929	95	644422	107.00	ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.929	95	644422	107.00	ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.929	95	644422	107.00	ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.929	95	644422	107.00	ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.929	95	644422	107.00	ng	#-0.01

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	104766	67.30	ng	96
23) 1-Methoxy-2-propanol; ...	0.000		0	N.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. 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. 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. 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. 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 Tue Feb 16 11:50:17 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160212_26.D
Acq On : 13 Feb 2016 8:10 am
Operator : rgill
Sample : 061-031-20_US EPA; C10-040; 19123; 5.593L
Misc : Mi193239; 107ngBFB;10:1 split
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 16 11:54:03 2016
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

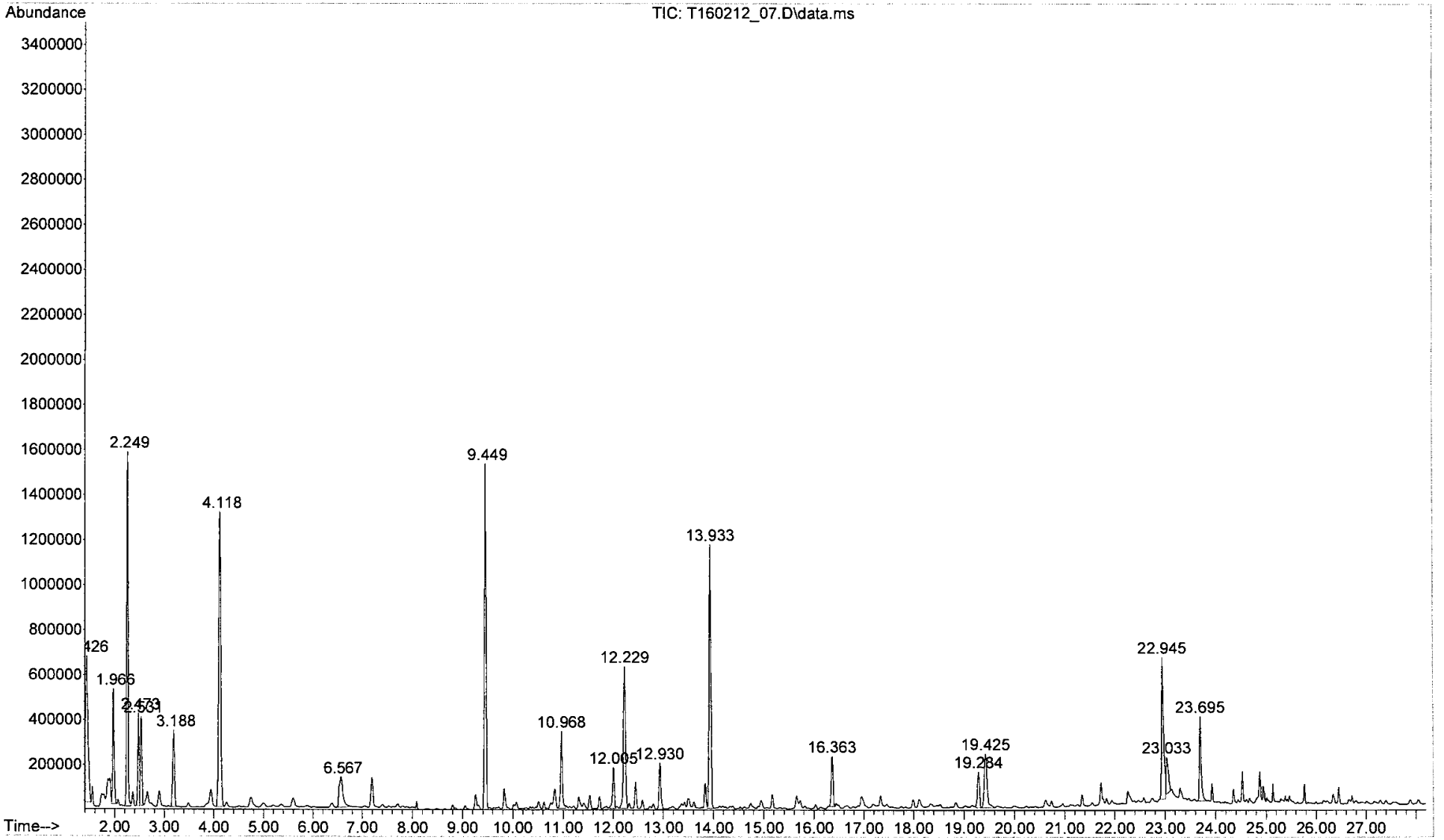
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	614750	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	614750	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	614750	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	614750	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	614750	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	614750	107.00 ng	#-0.01
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	23.700	113	53407	35.81 ng	94
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. 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. 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. d
89)	DPGME isomer 3; 34590-...	0.000	0	N.D. 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. d
101)	TXIB; 6846-50-0	0.000	0	N.D. d

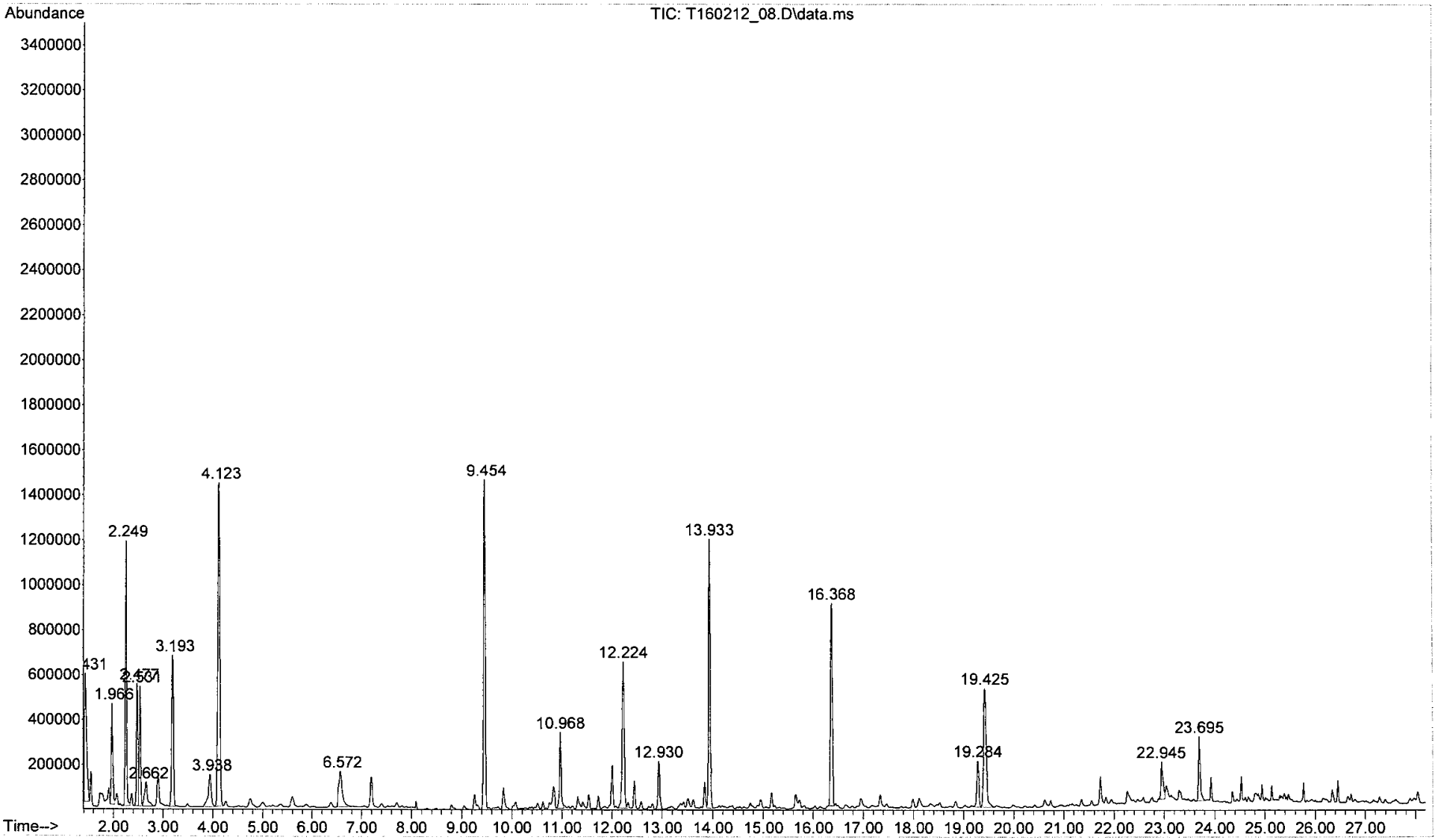
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Tue Feb 16 11:54:06 2016

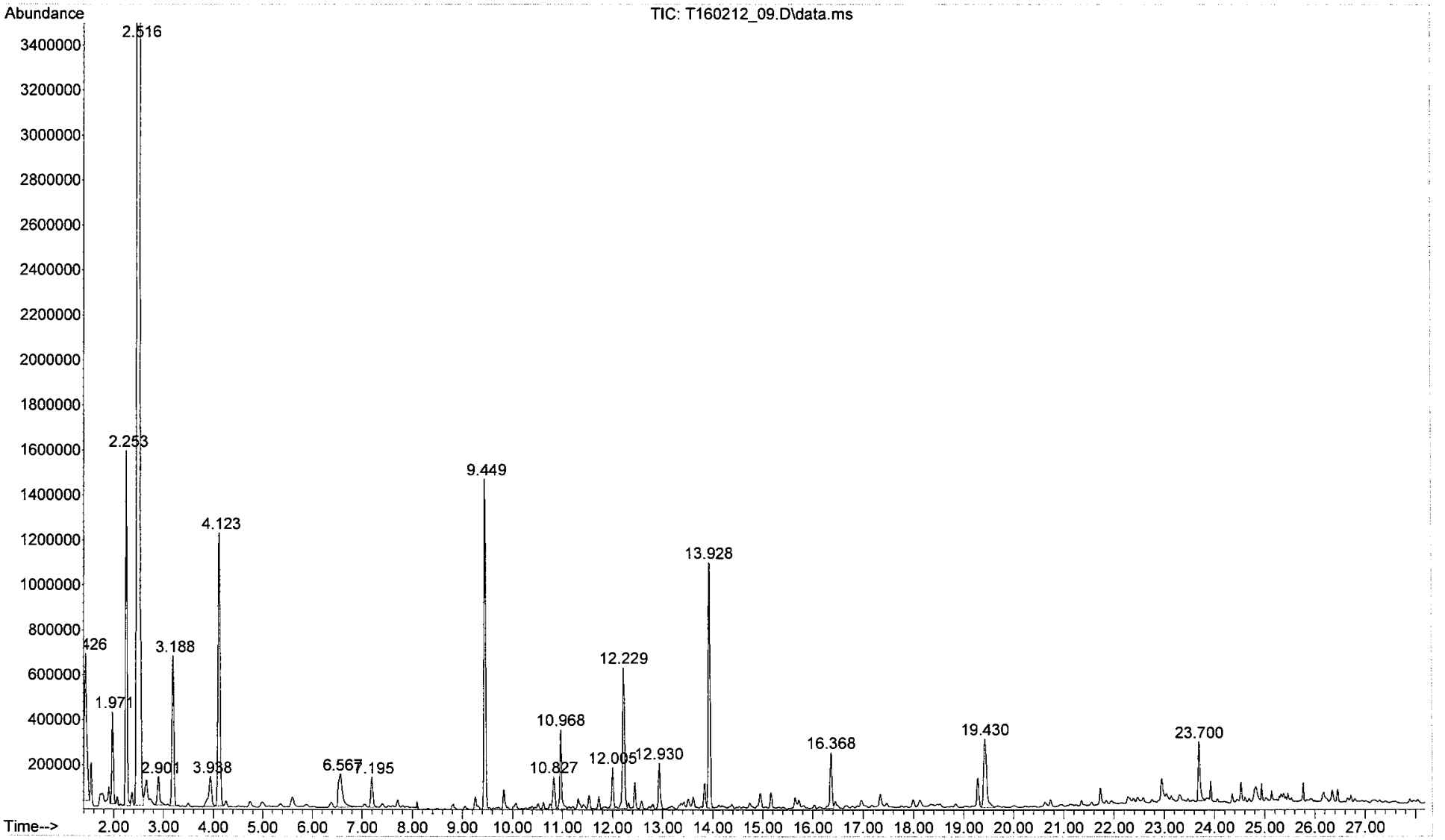
File :C:\msdchem\1\data\2016\Feb\T160212_07.D
Operator : rgill
Acquired : 12 Feb 2016 5:52 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-01_US EPA; C10-021; 15322; 5.889L
Misc Info : Mi59958; 107ngBFB;10:1 split
Vial Number: 7



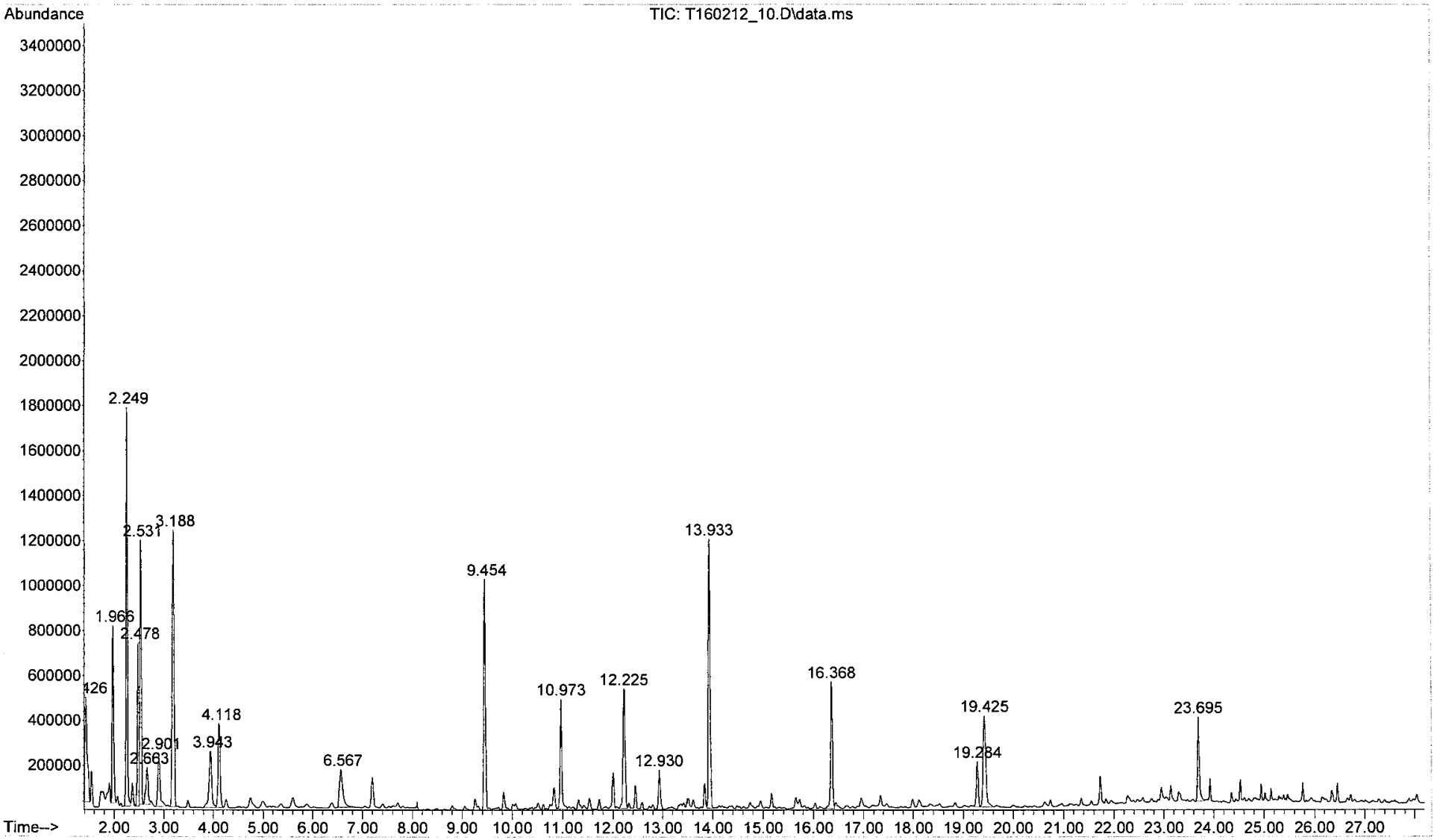
File :C:\msdchem\1\data\2016\Feb\T160212_08.D
Operator : rgill
Acquired : 12 Feb 2016 6:37 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-02_US EPA; C10-022; 15248; 5.984L
Misc Info : Mi51119; 107ngBFB;10:1 split
Vial Number: 8



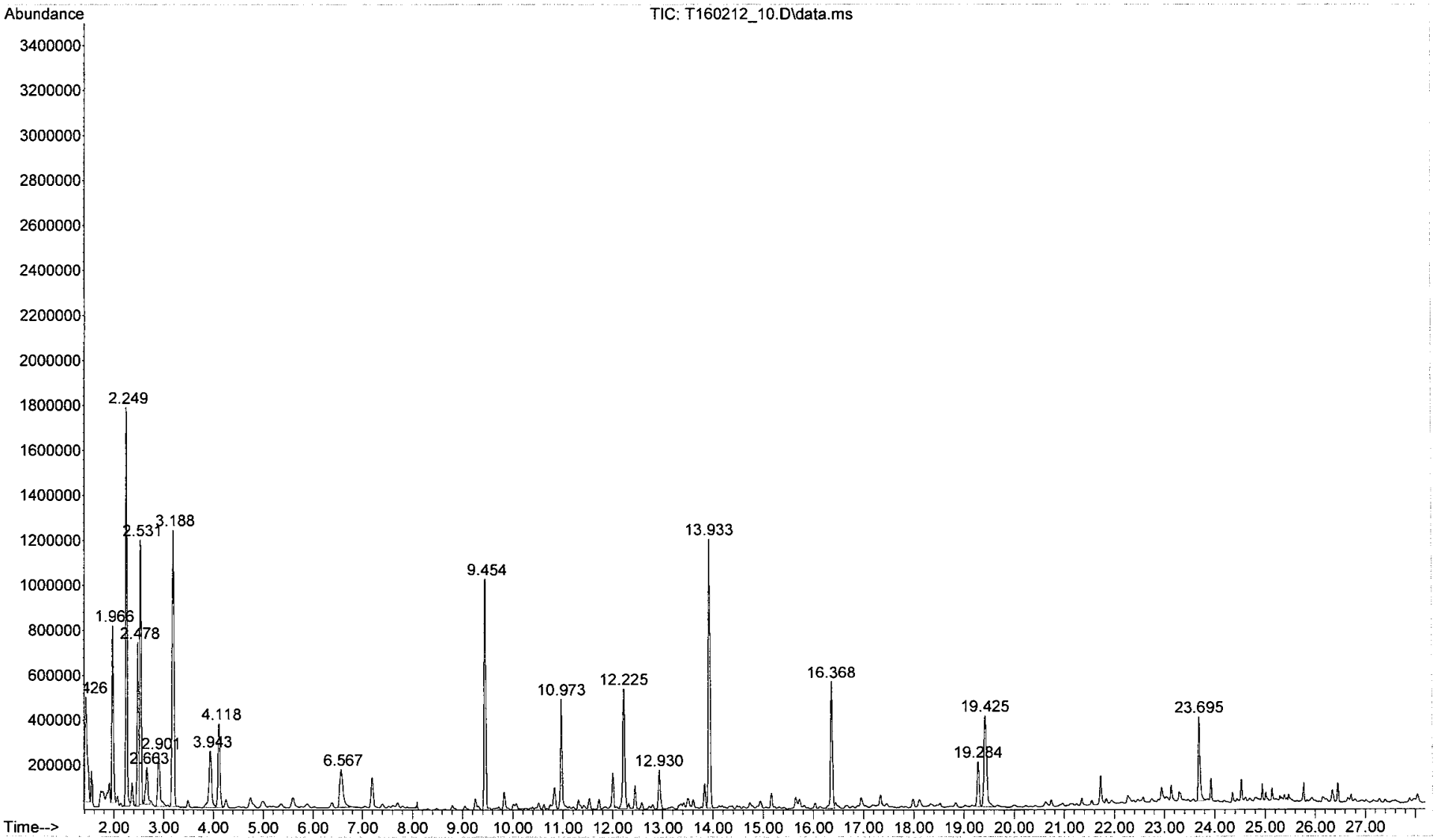
File :C:\msdchem\1\data\2016\Feb\T160212_09.D
Operator : rgill
Acquired : 12 Feb 2016 7:23 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-03_US EPA; C10-023; 15156; 5.914L
Misc Info : Mi193211; 107ngBFB;10:1 split
Vial Number: 9



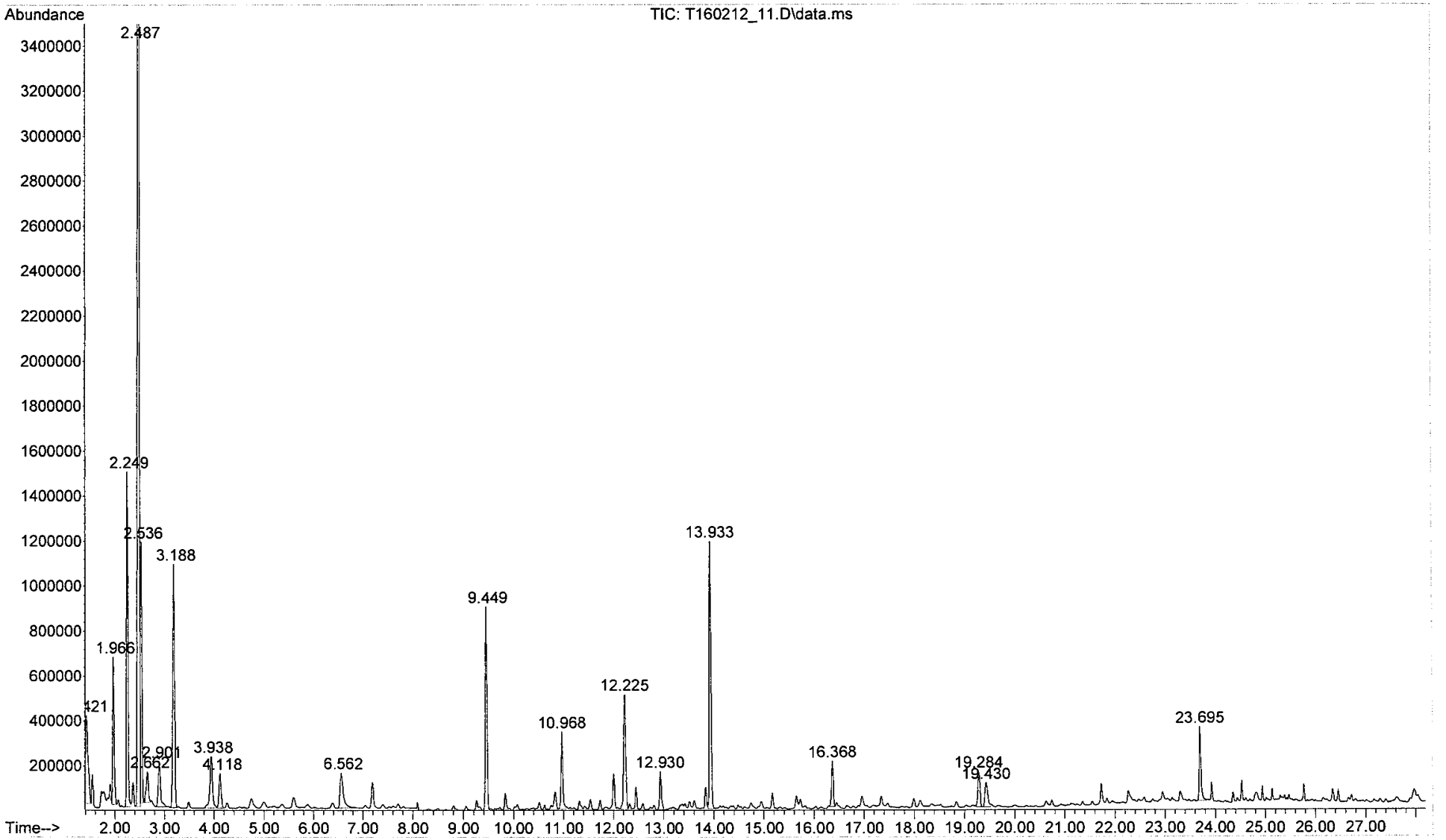
File :C:\msdchem\1\data\2016\Feb\T160212_10.D
Operator : rgill
Acquired : 12 Feb 2016 8:09 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-04_US EPA; C10-024; 15162; 5.413L
Misc Info : Mi59923; 107ngBFB;10:1 split
Vial Number: 10



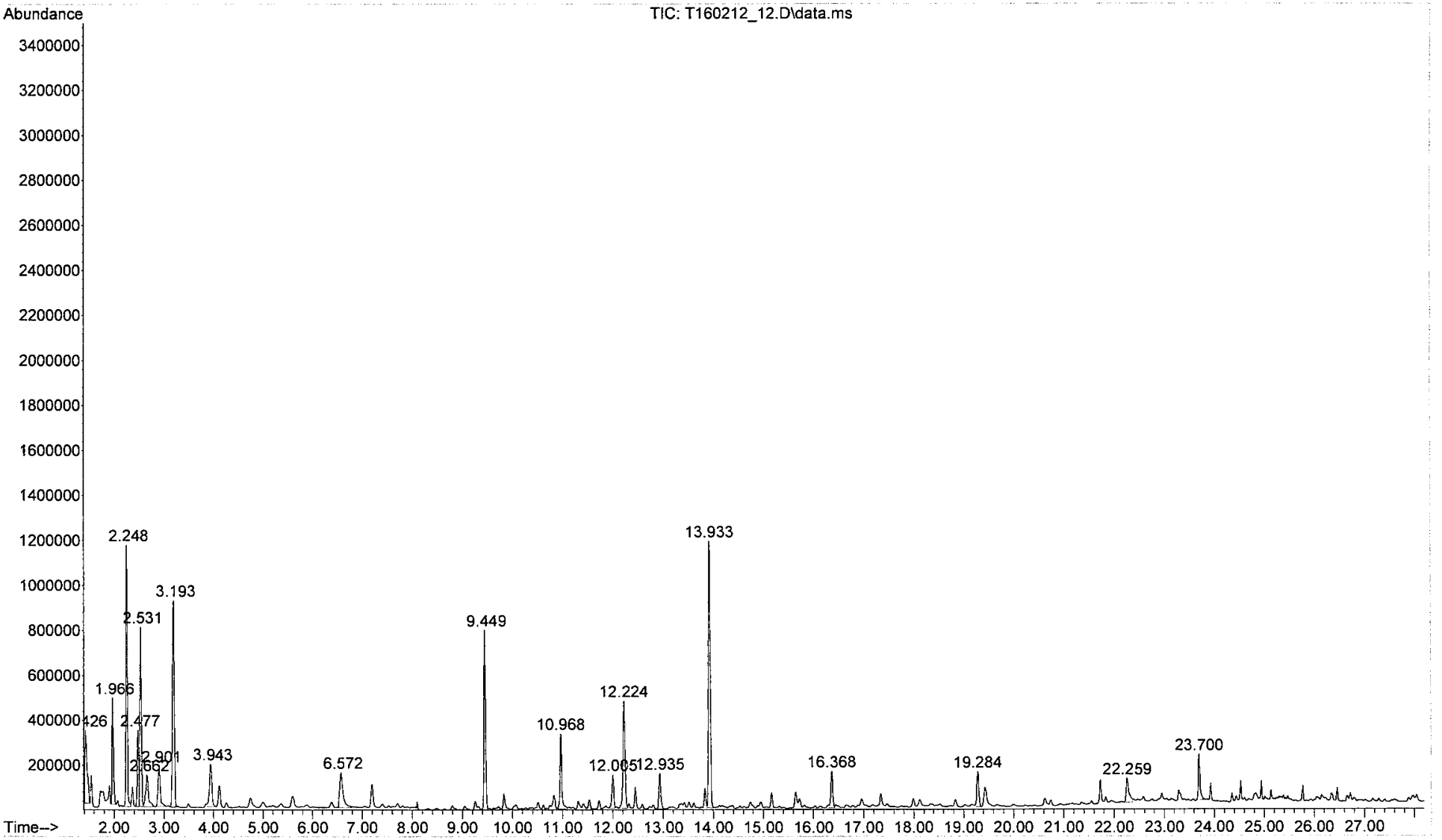
File :C:\msdchem\1\data\2016\Feb\T160212_10.D
Operator : rgill
Acquired : 12 Feb 2016 8:09 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-04_US EPA; C10-024; 15162; 5.413L
Misc Info : Mi59923; 107ngBFB;10:1 split
Vial Number: 10



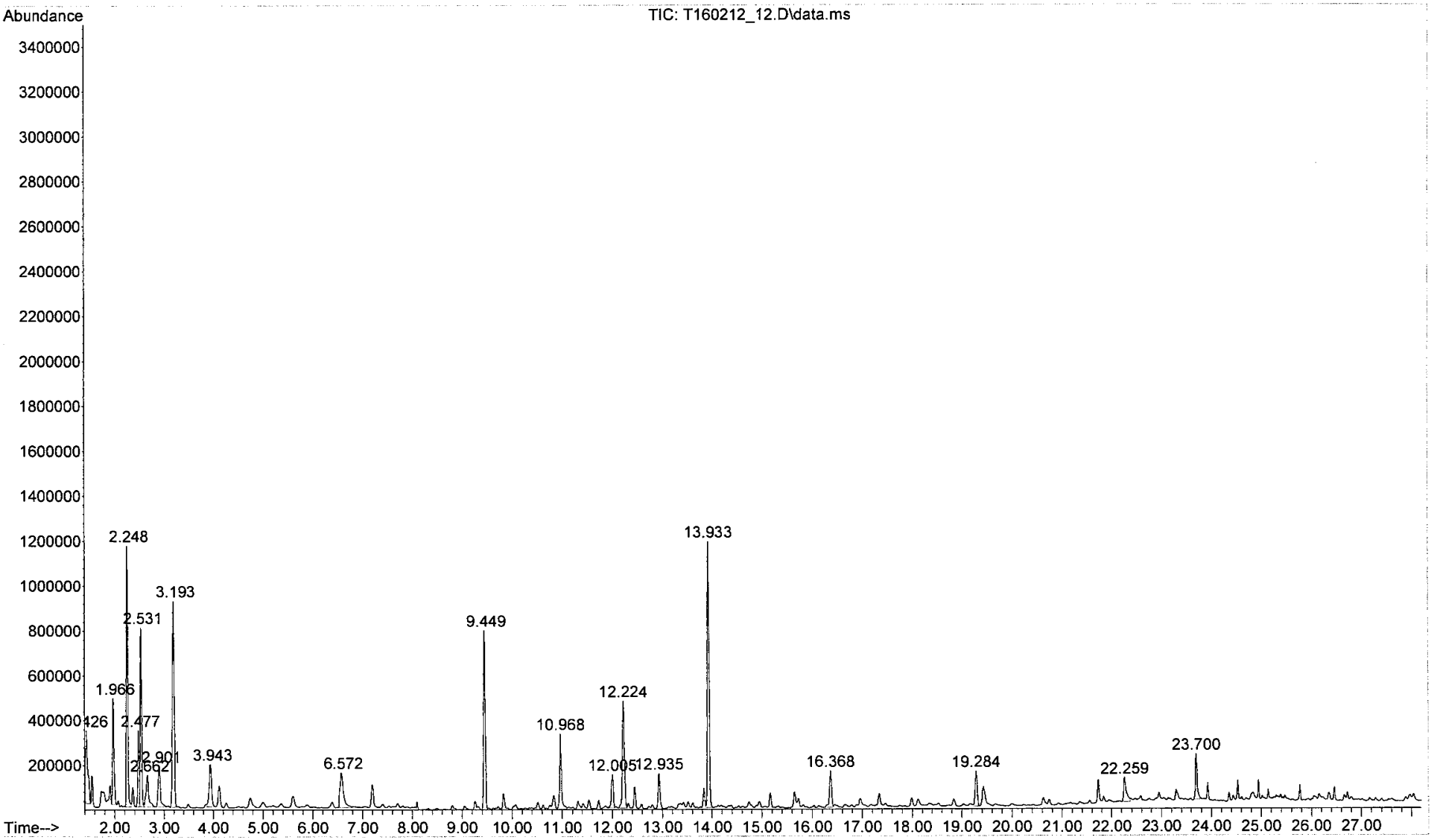
File :C:\msdchem\1\data\2016\Feb\T160212_11.D
Operator : rgill
Acquired : 12 Feb 2016 8:55 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-05_US EPA; C10-025; 16362; 6.015L
Misc Info : Mi59936; 107ngBFB;10:1 split
Vial Number: 11



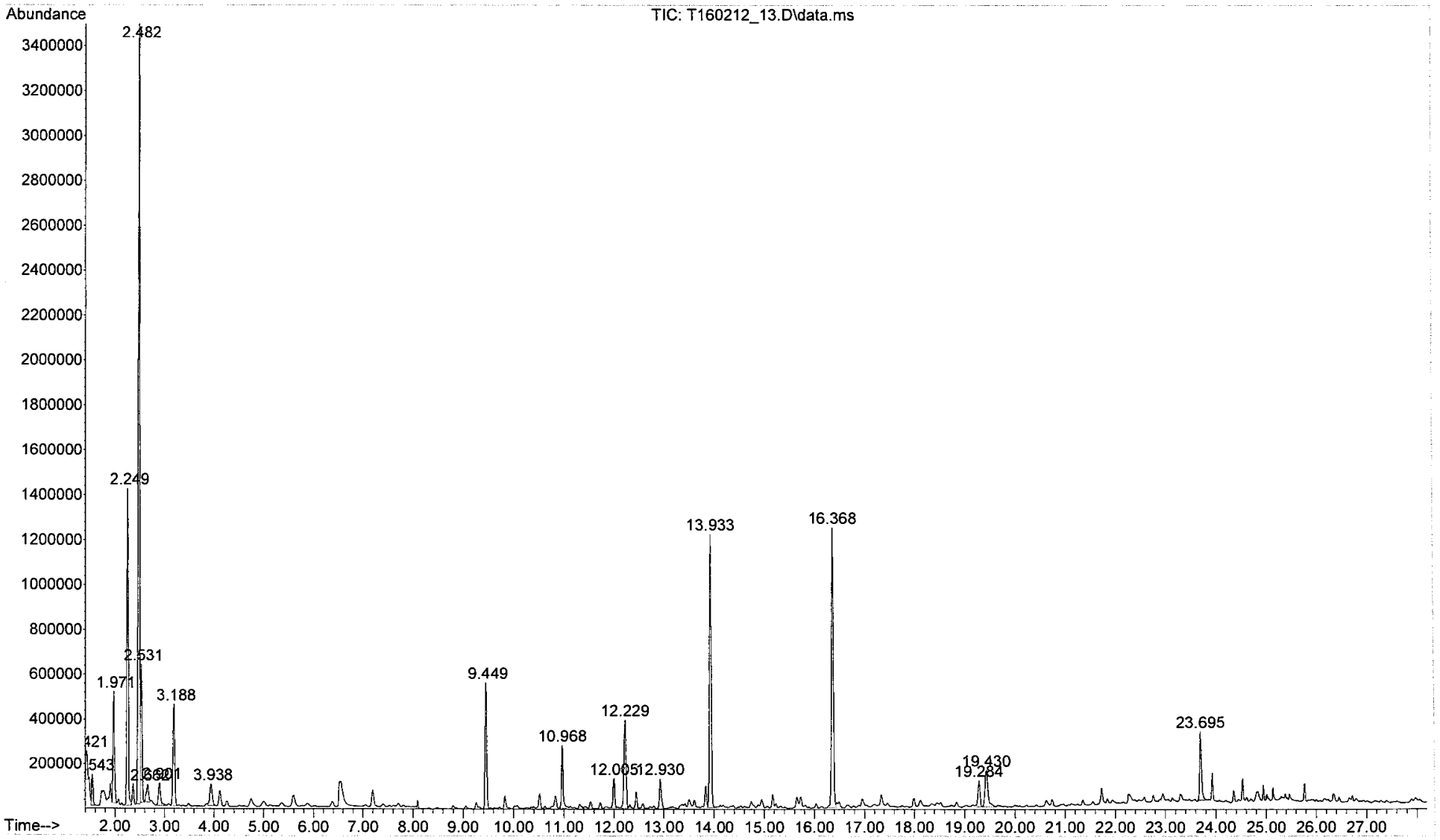
File :C:\msdchem\1\data\2016\Feb\T160212_12.D
Operator : rgill
Acquired : 12 Feb 2016 9:41 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-06_US EPA; C10-026; 16448; 6.129L
Misc Info : Mi59956; 107ngBFB;10:1 split
Vial Number: 12



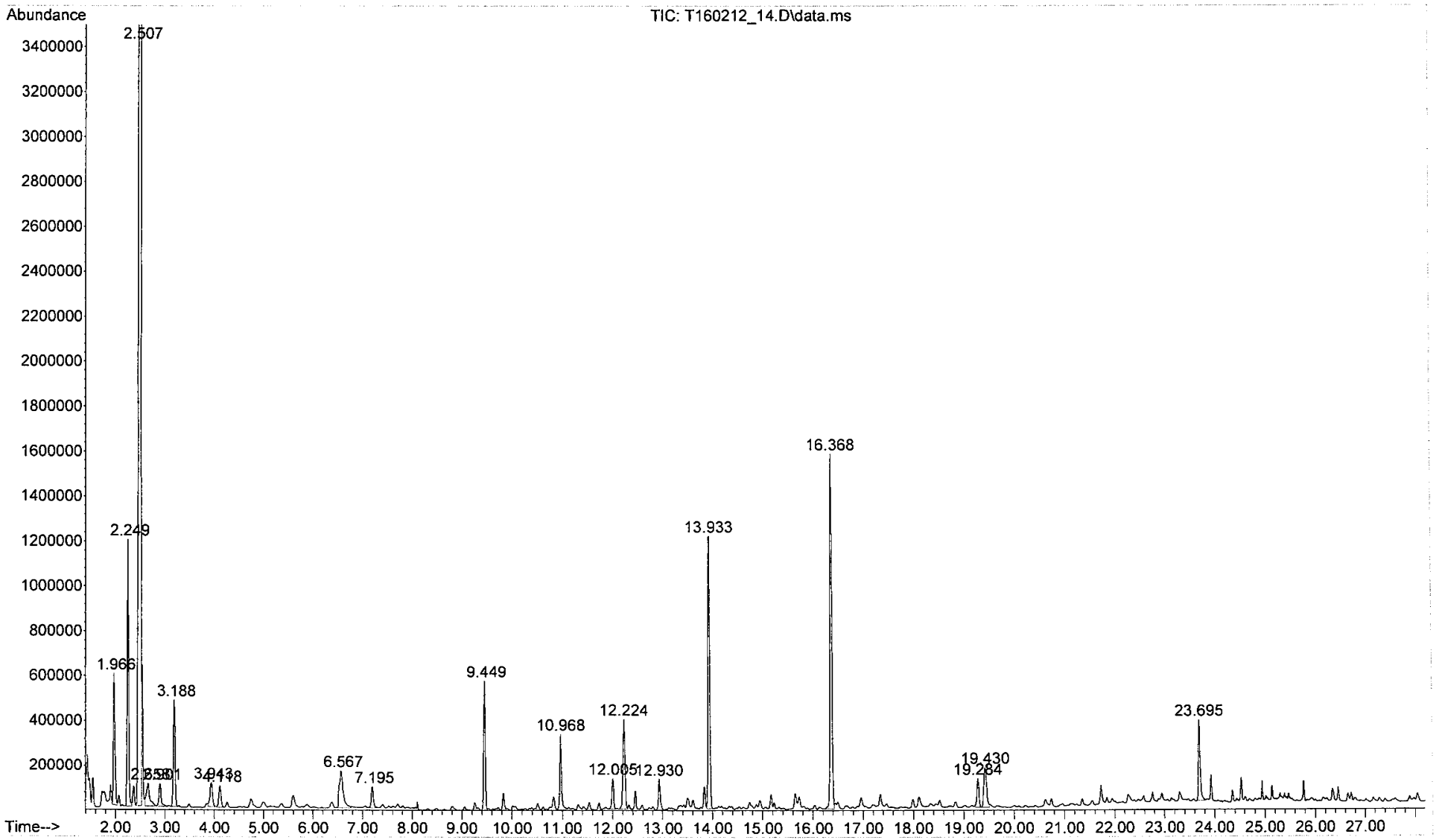
File :C:\msdchem\1\data\2016\Feb\T160212_12.D
Operator : rgill
Acquired : 12 Feb 2016 9:41 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-06_US EPA; C10-026; 16448; 6.129L
Misc Info : Mi59956; 107ngBFB;10:1 split
Vial Number: 12



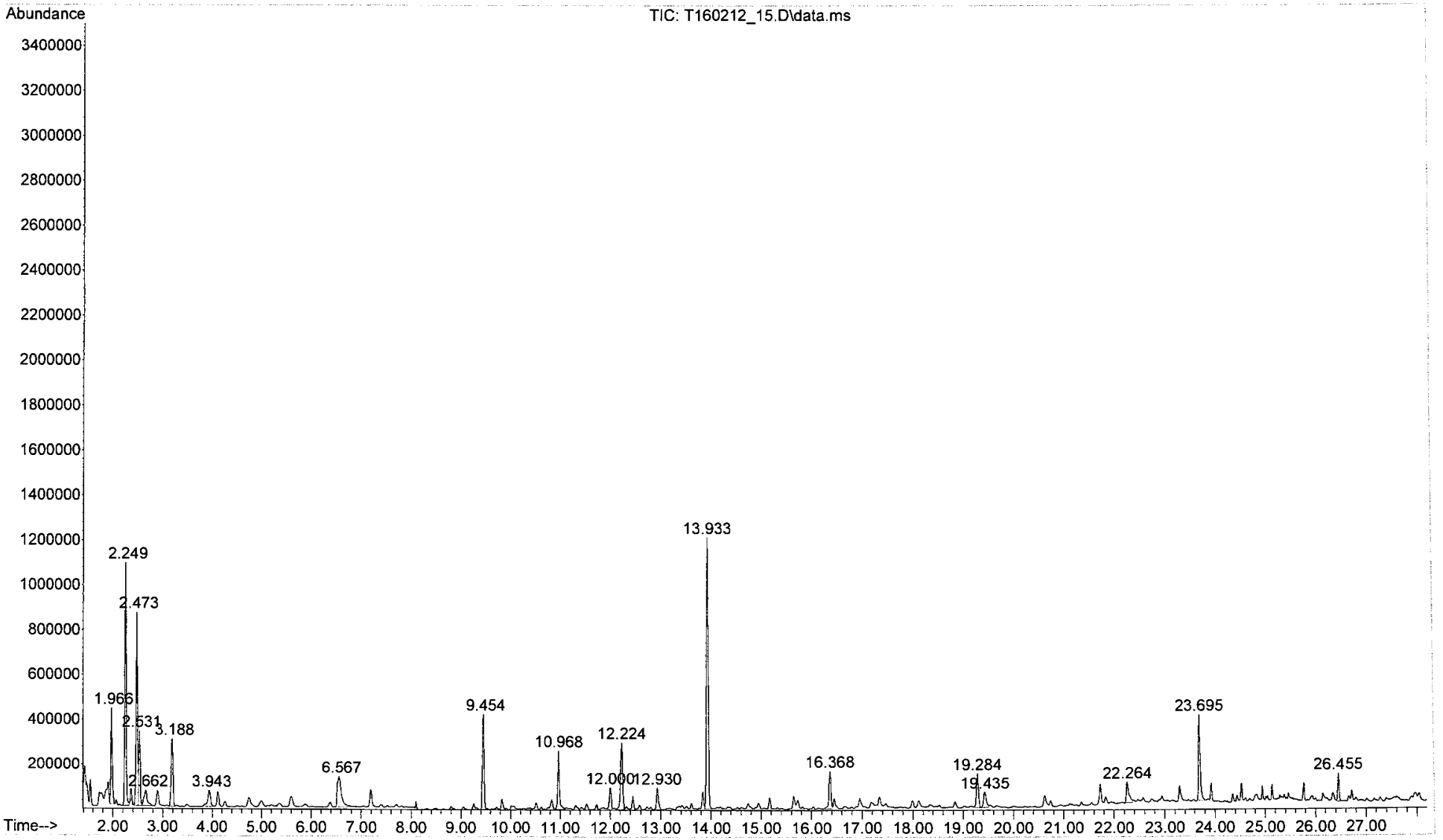
File :C:\msdchem\1\data\2016\Feb\T160212_13.D
Operator : rgill
Acquired : 12 Feb 2016 10:27 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-07_US EPA; C10-027; 16158; 5.892L
Misc Info : 242446; 107ngBFB;10:1 split
Vial Number: 13



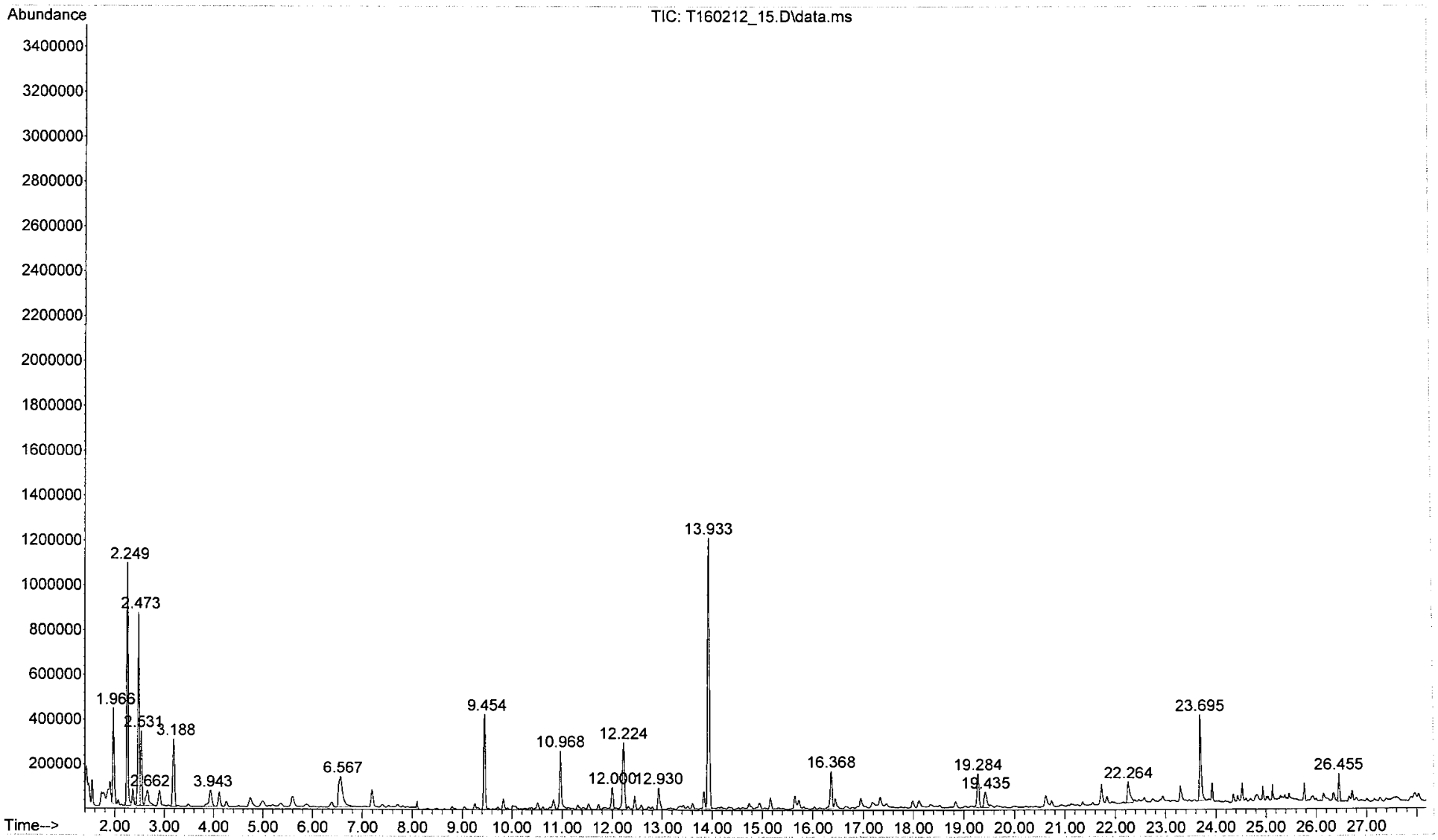
File :C:\msdchem\1\data\2016\Feb\T160212_14.D
Operator : rgill
Acquired : 12 Feb 2016 11:12 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-08_US EPA; C10-028; 16133; 5.811L
Misc Info : Mi51173; 107ngBFB;10:1 split
Vial Number: 14



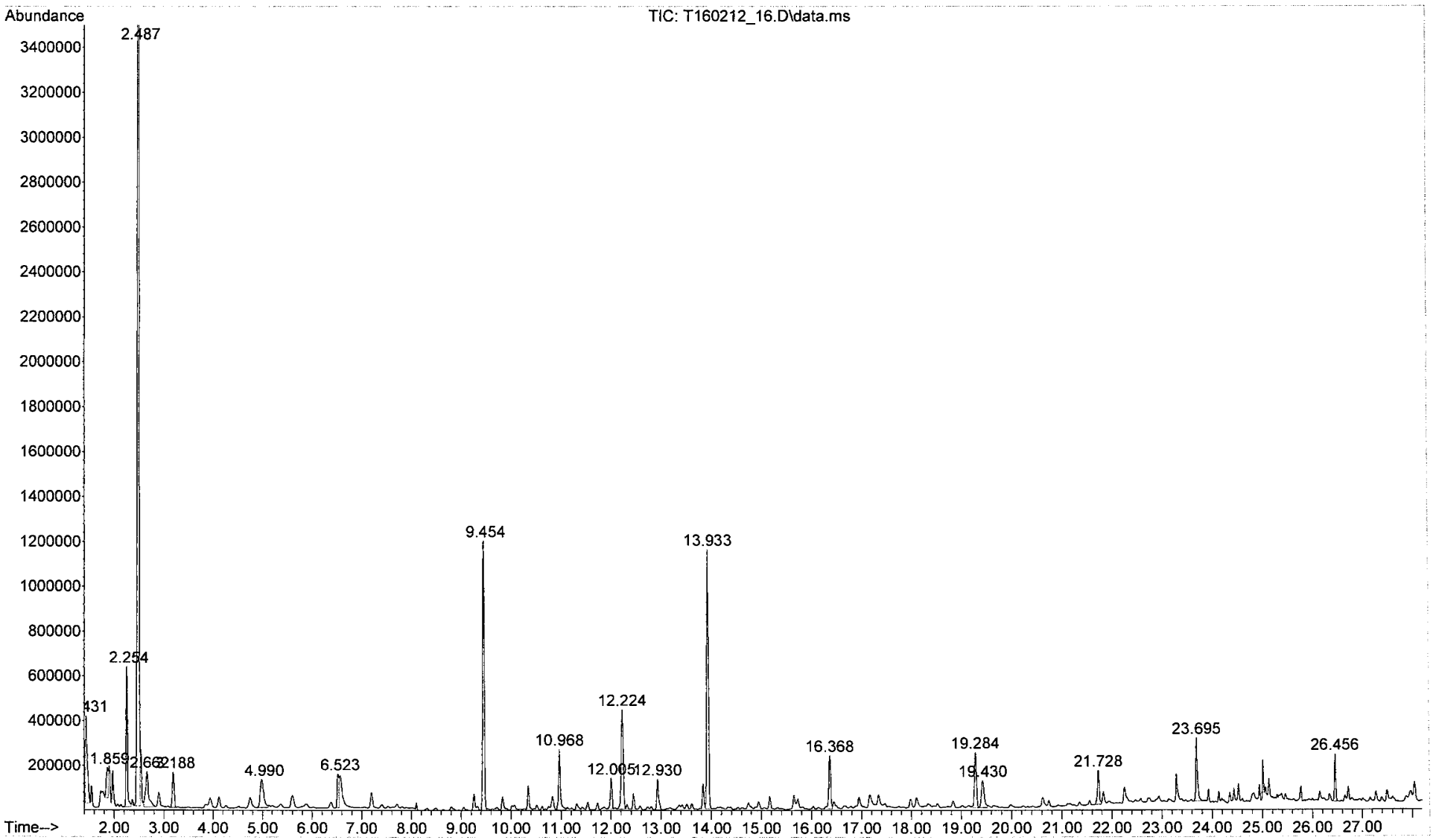
File :C:\msdchem\1\data\2016\Feb\T160212_15.D
Operator : rgill
Acquired : 12 Feb 2016 11:59 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-09_US EPA; C10-029; 17355; 5.549L
Misc Info : Mi59927; 107ngBFB;10:1 split
Vial Number: 15



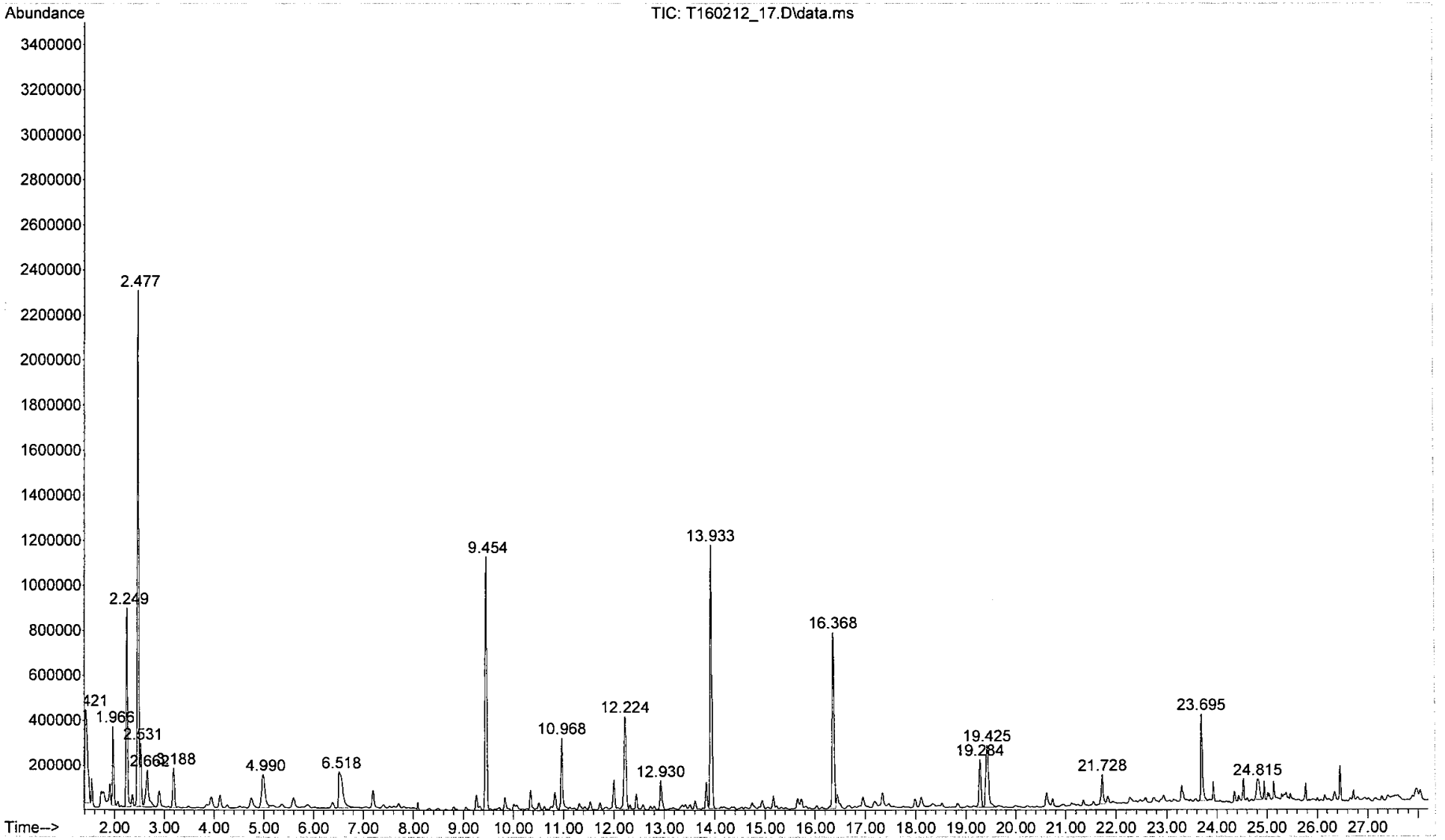
File :C:\msdchem\1\data\2016\Feb\T160212_15.D
Operator : rgill
Acquired : 12 Feb 2016 11:59 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-09_US EPA; C10-029; 17355; 5.549L
Misc Info : Mi59927; 107ngBFB;10:1 split
Vial Number: 15



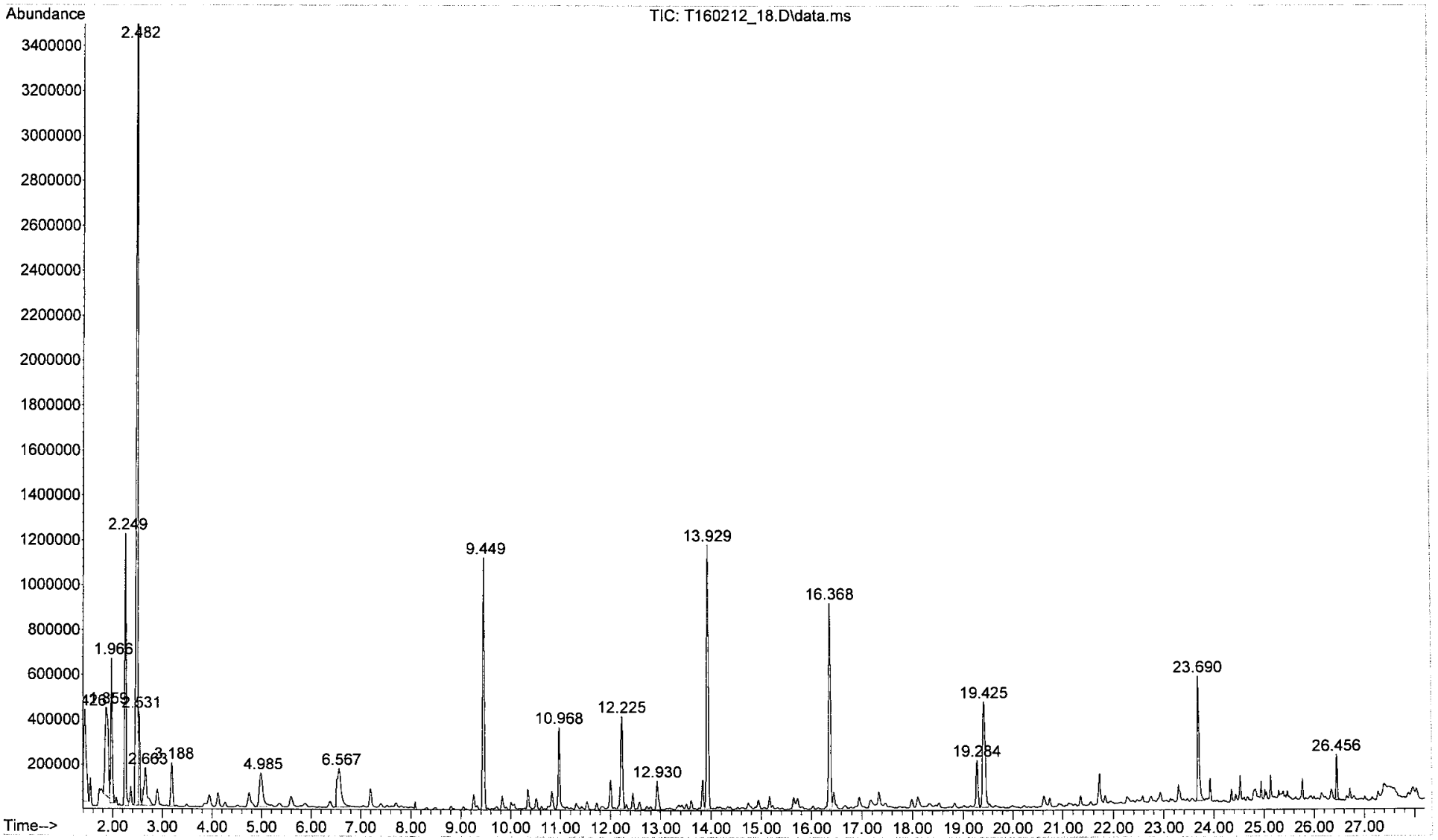
File :C:\msdchem\1\data\2016\Feb\T160212_16.D
Operator : rgill
Acquired : 13 Feb 2016 12:45 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-10_US EPA; C10-030; 17446; 5.591L
Misc Info : Mi51154; 107ngBFB;10:1 split
Vial Number: 16



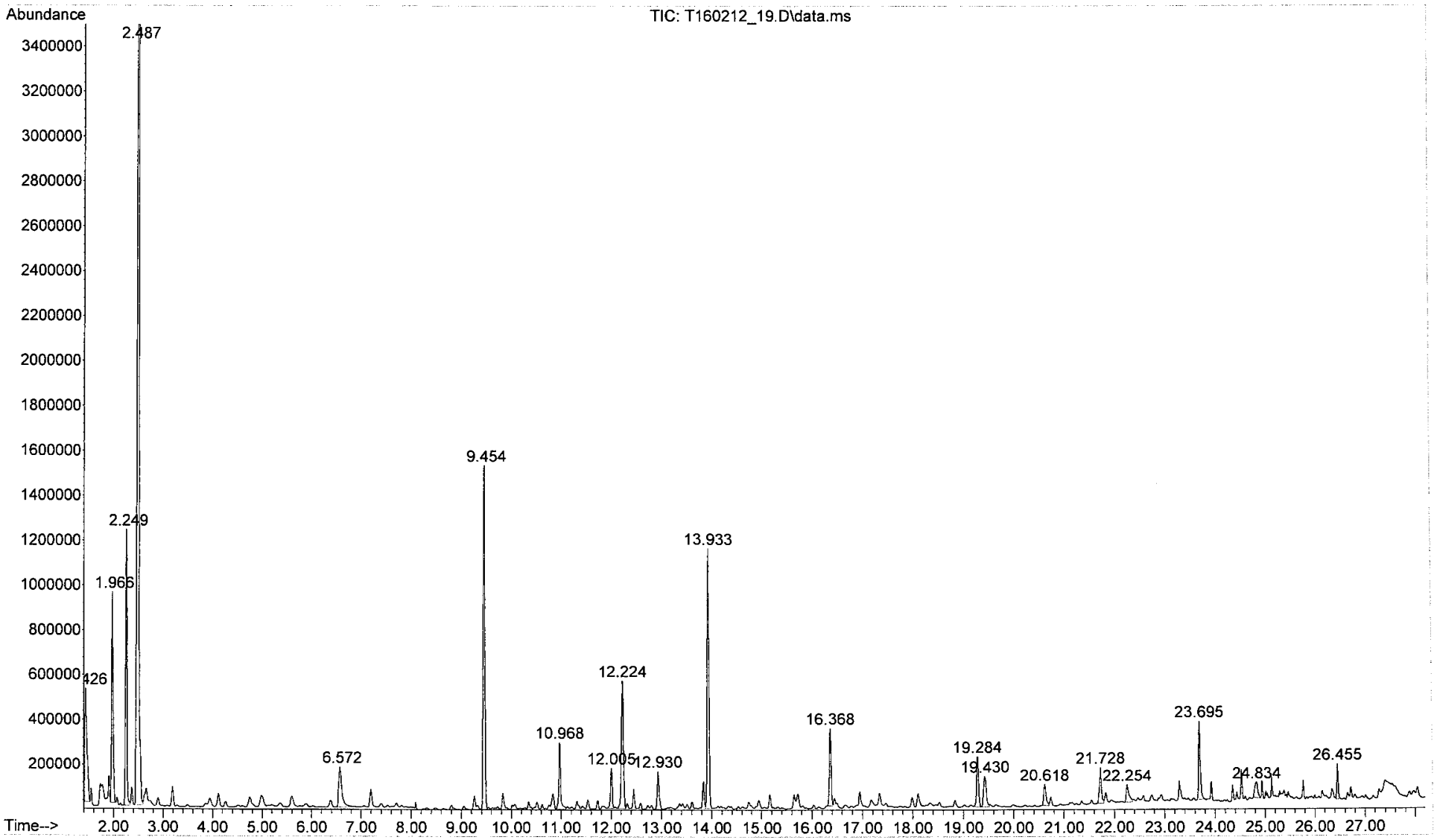
File :C:\msdchem\1\data\2016\Feb\T160212_17.D
Operator : rgill
Acquired : 13 Feb 2016 1:31 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-11_US EPA; C10-031; 17144; 5.415L
Misc Info : Mi58837; 107ngBFB;10:1 split
Vial Number: 17



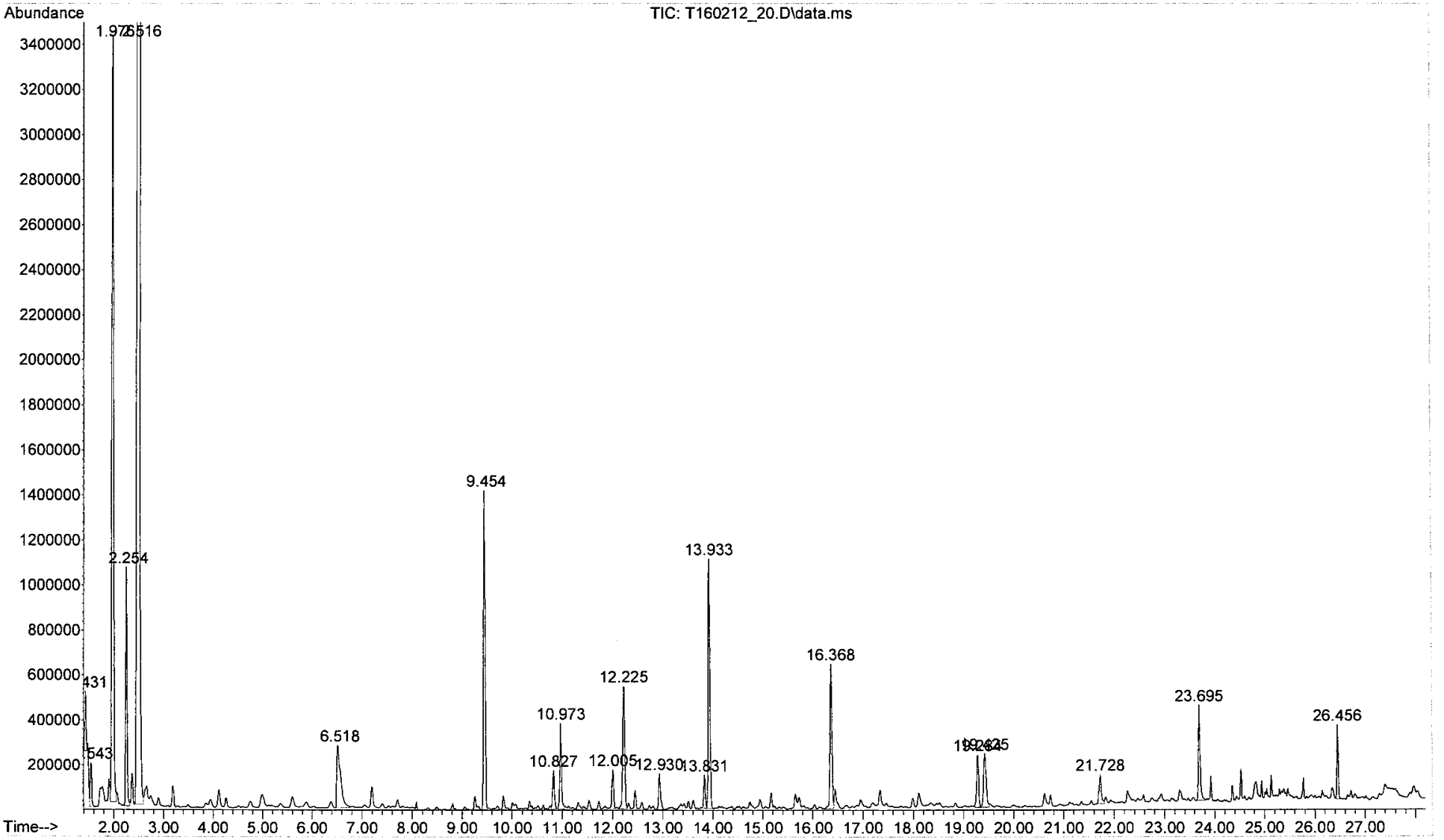
File :C:\msdchem\1\data\2016\Feb\T160212_18.D
Operator : rgill
Acquired : 13 Feb 2016 2:17 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-12_US EPA; C10-032; 17132; 5.618L
Misc Info : Mi58847; 107ngBFB;10:1 split
Vial Number: 18



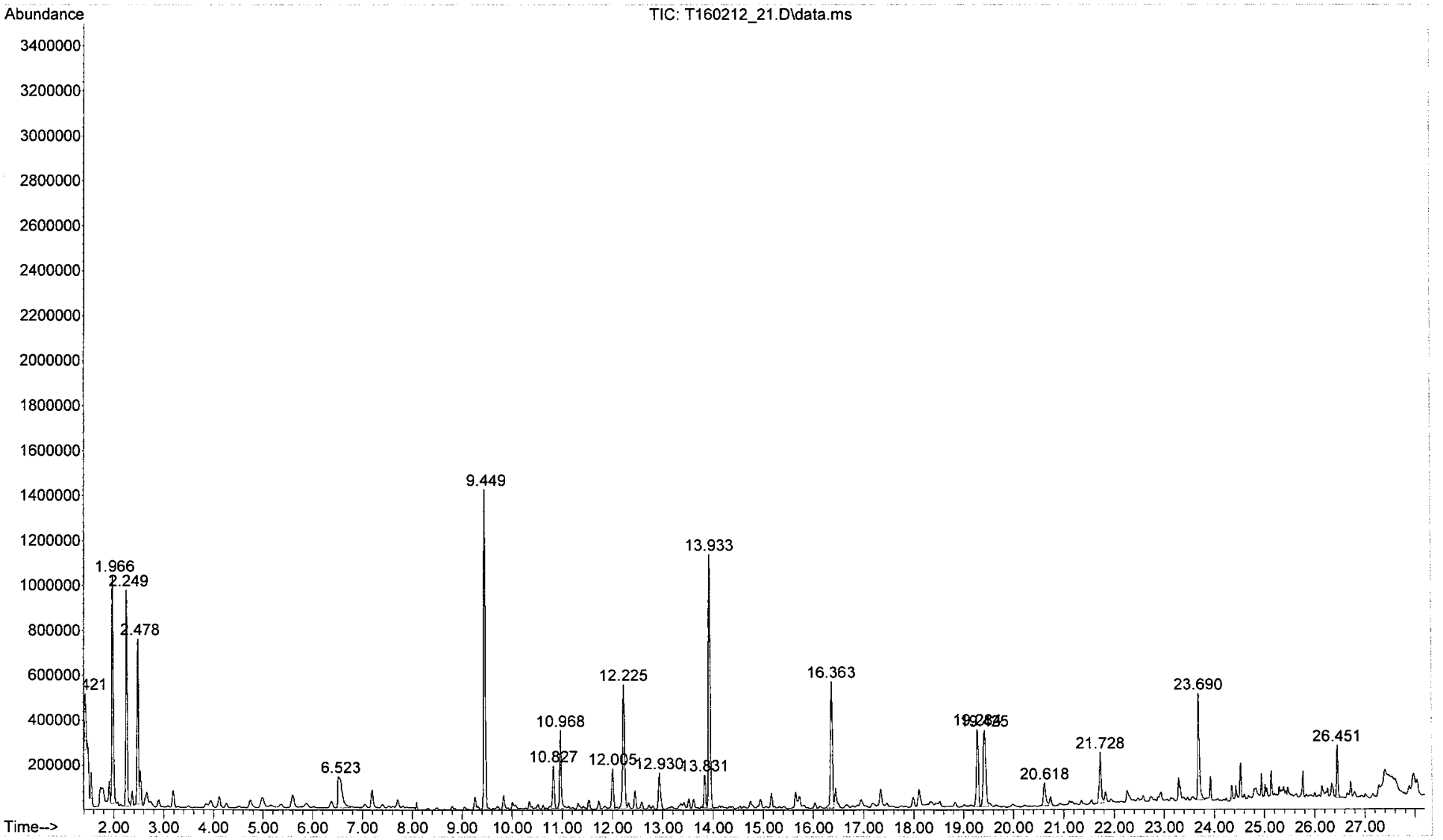
File :C:\msdchem\1\data\2016\Feb\T160212_19.D
Operator : rgill
Acquired : 13 Feb 2016 3:02 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-13_US EPA; C10-033; 18446; 5.411L
Misc Info : Mi59953; 107ngBFB;10:1 split
Vial Number: 19



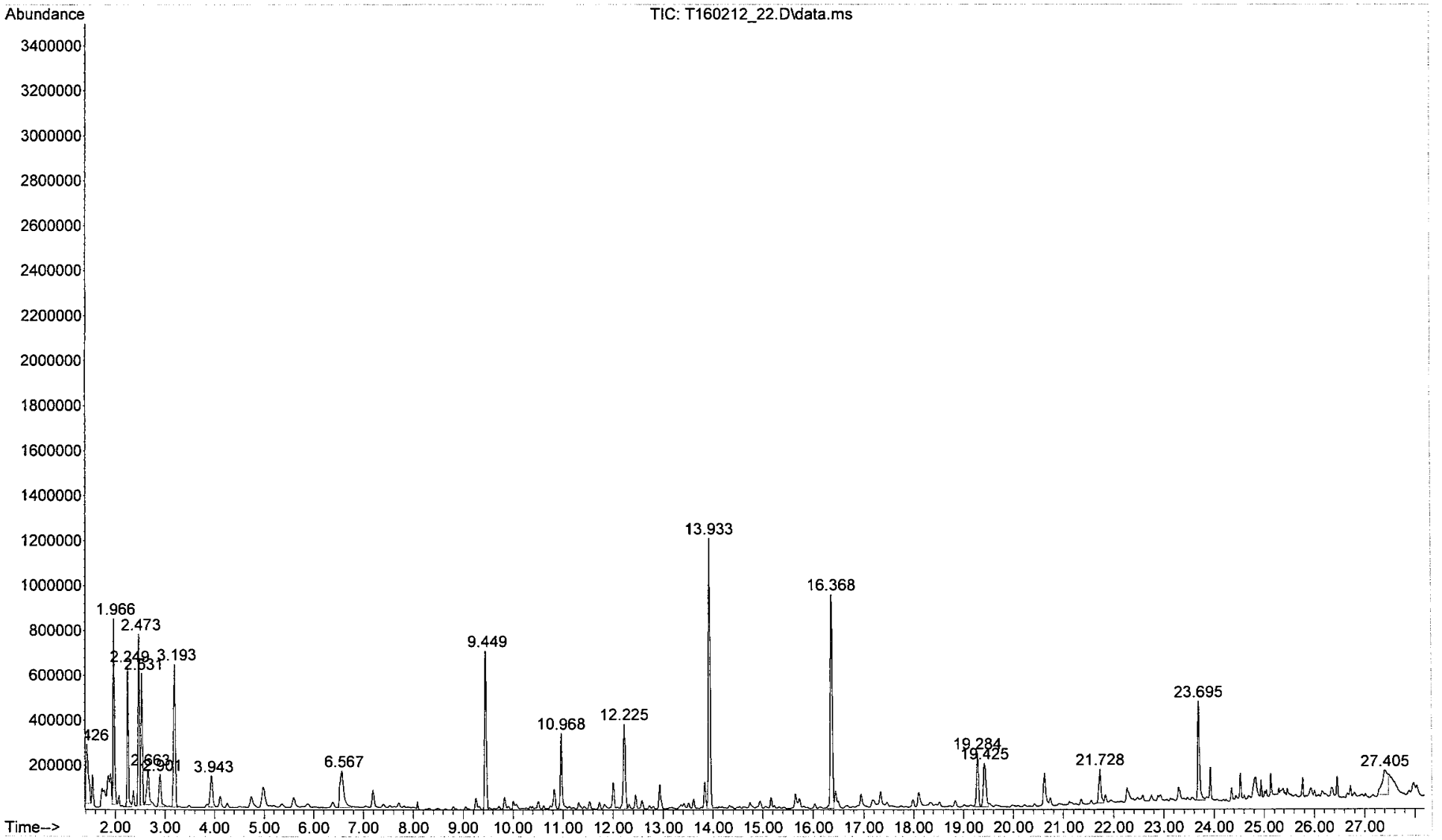
File :C:\msdchem\1\data\2016\Feb\T160212_20.D
Operator : rgill
Acquired : 13 Feb 2016 3:48 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-14_US EPA; C10-034; 18113; 5.625L
Misc Info : 203159; 107ngBFB;10:1 split
Vial Number: 20



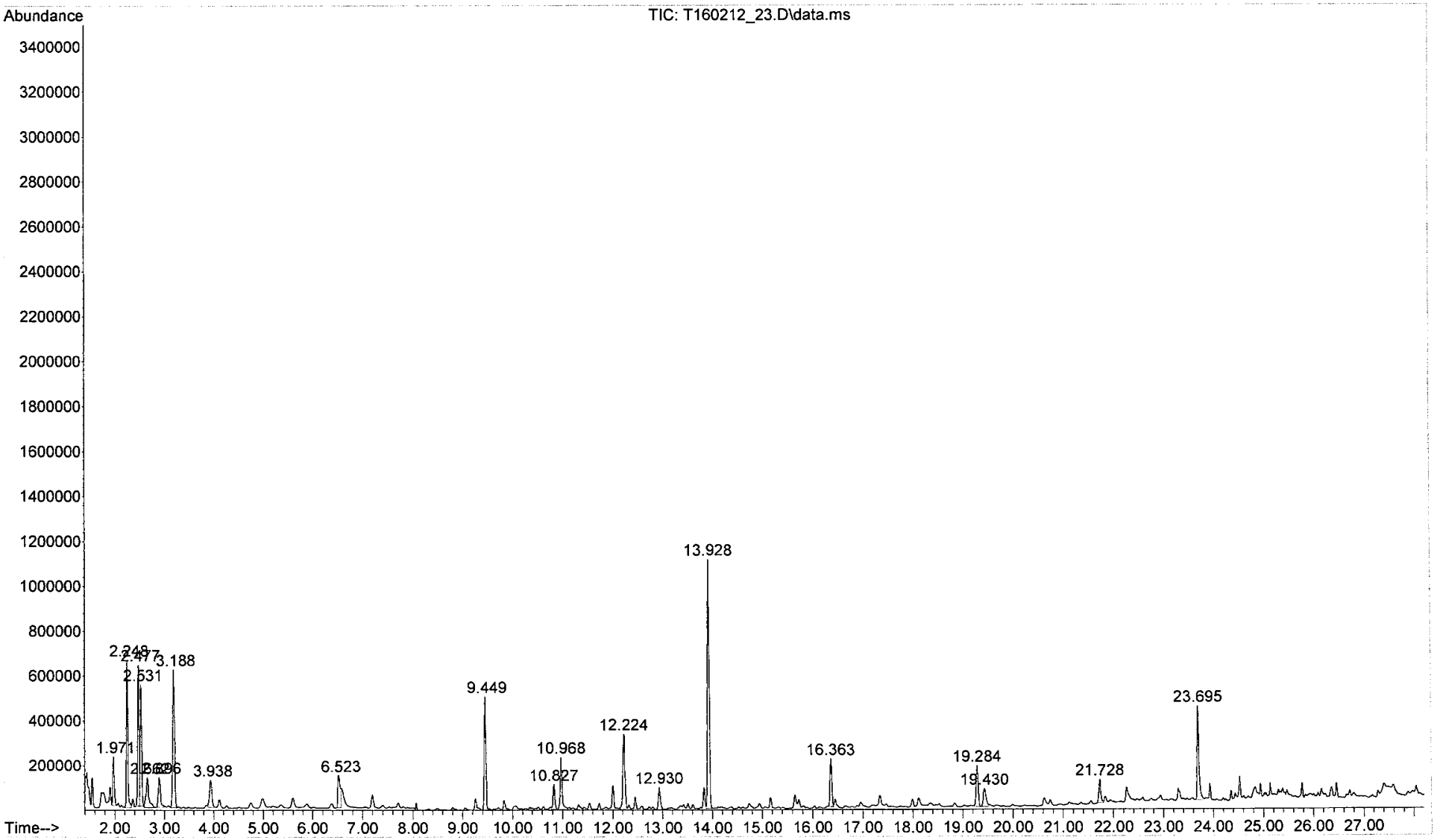
File :C:\msdchem\1\data\2016\Feb\T160212_21.D
Operator : rgill
Acquired : 13 Feb 2016 4:35 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-15_US EPA; C10-035; 18243; 5.835L
Misc Info : 203169; 107ngBFB;10:1 split
Vial Number: 21



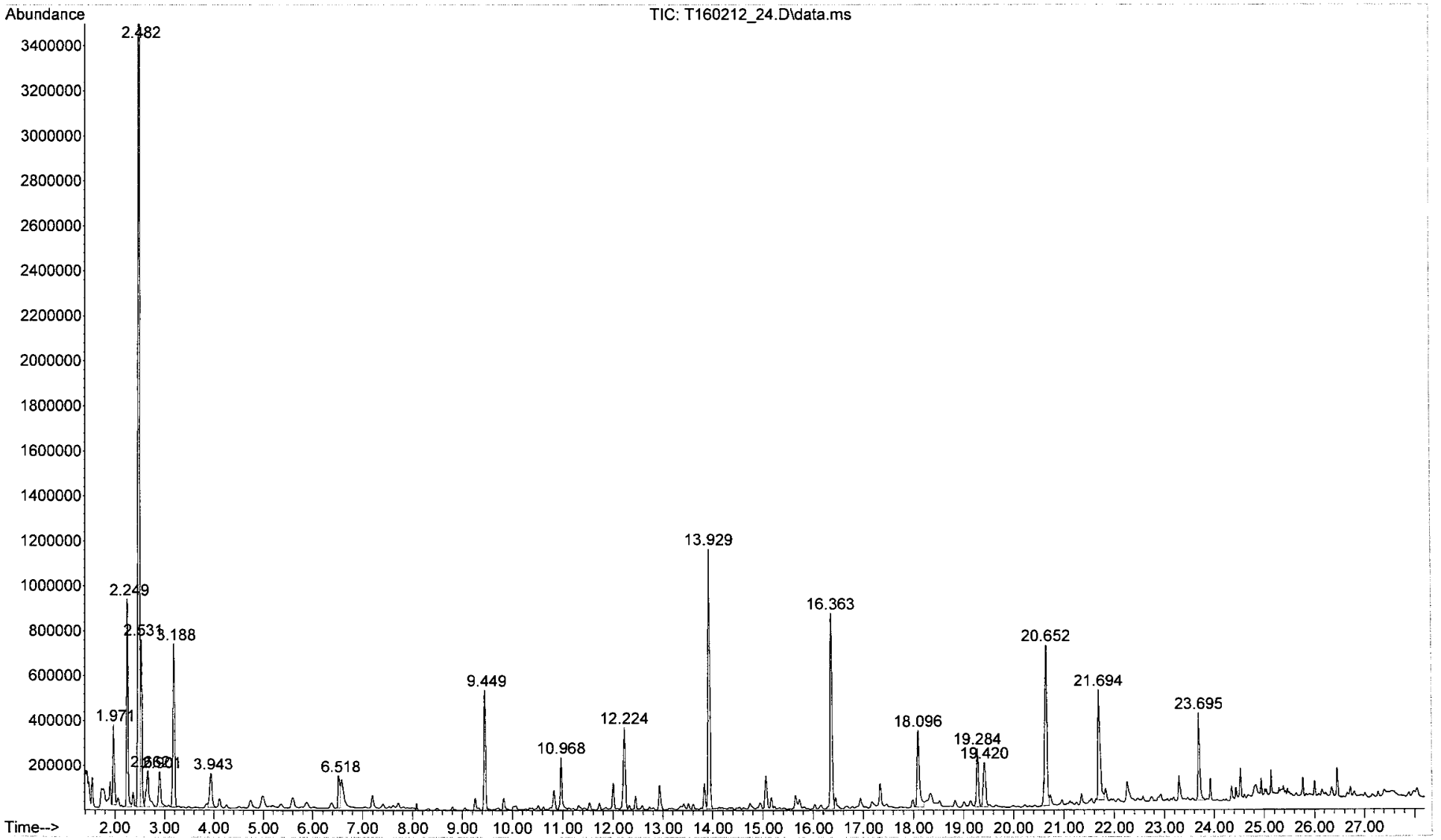
File :C:\msdchem\1\data\2016\Feb\T160212_22.D
Operator : rgill
Acquired : 13 Feb 2016 5:20 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-16_US EPA; C10-036; 18357; 5.704L
Misc Info : Mi59933; 107ngBFB;10:1 split
Vial Number: 22



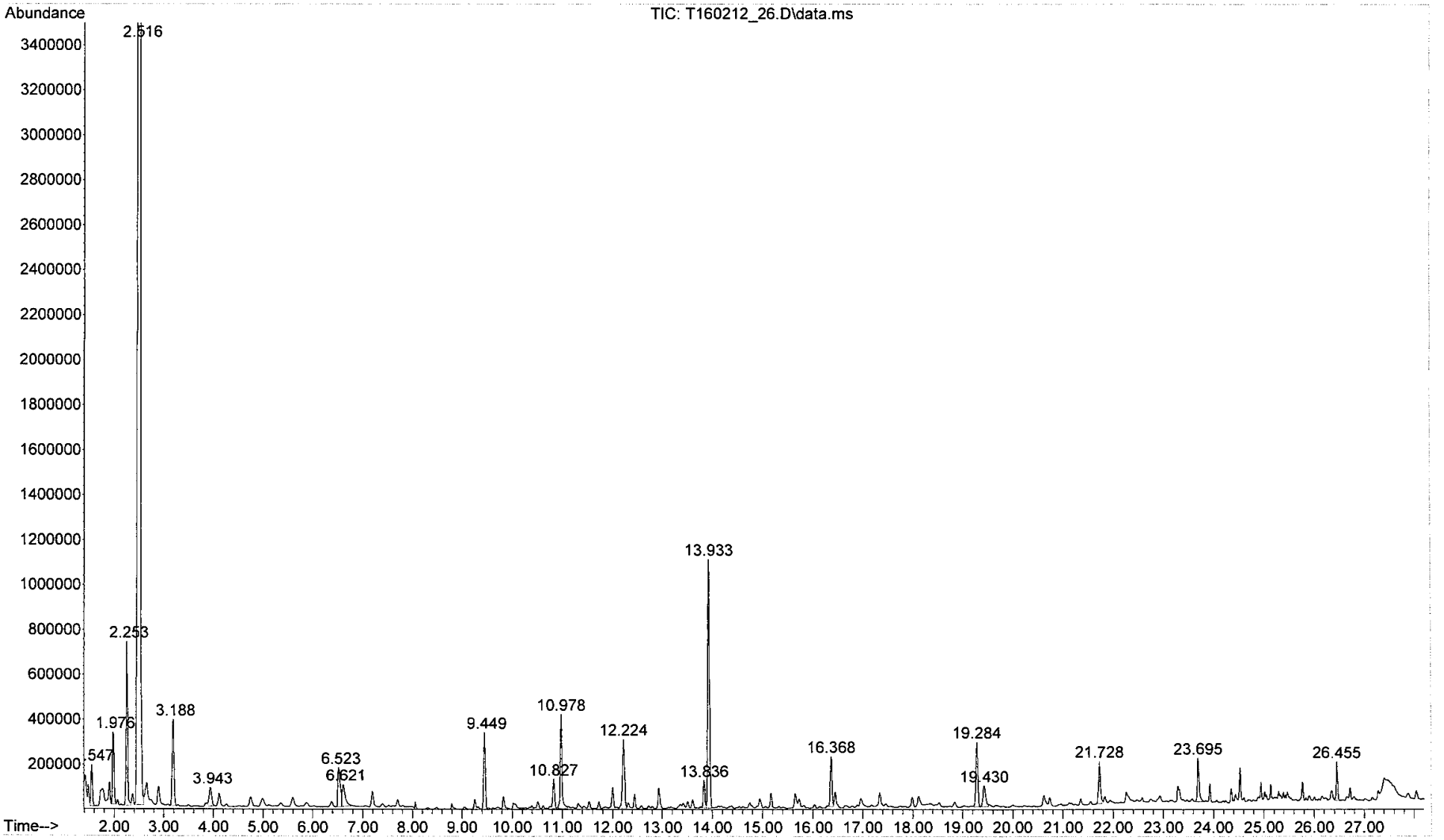
File :C:\msdchem\1\data\2016\Feb\T160212_23.D
Operator : rgill
Acquired : 13 Feb 2016 6:06 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-17_US EPA; C10-037; 19310; 5.328L
Misc Info : 203165; 107ngBFB;10:1 split
Vial Number: 23



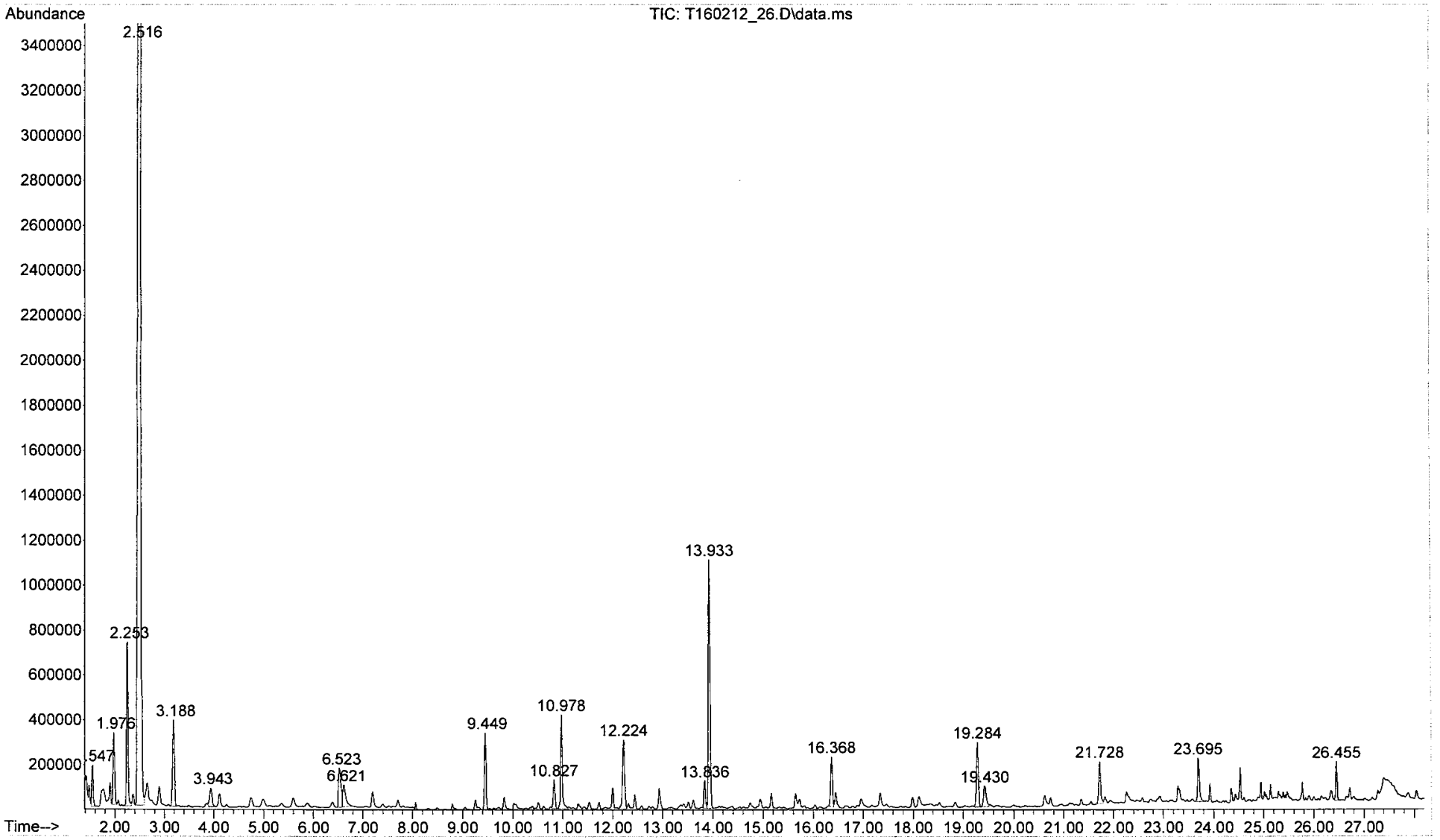
File :C:\msdchem\1\data\2016\Feb\T160212_24.D
Operator : rgill
Acquired : 13 Feb 2016 6:52 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-18_US EPA; C10-038; 19415; 5.61L
Misc Info : Mi193222; 107ngBFB;10:1 split
Vial Number: 24



File :C:\msdchem\1\data\2016\Feb\T160212_26.D
Operator : rgill
Acquired : 13 Feb 2016 8:10 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-20_US EPA; C10-040; 19123; 5.593L
Misc Info : Mi193239; 107ngBFB;10:1 split
Vial Number: 26



File :C:\msdchem\1\data\2016\Feb\T160212_26.D
Operator : rgill
Acquired : 13 Feb 2016 8:10 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-031-20_US EPA; C10-040; 19123; 5.593L
Misc Info : Mi193239; 107ngBFB;10:1 split
Vial Number: 26



The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-01_US EPA; C10-021; 15322; 5.889L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_07.D\data.ms	107		0.92	5.9	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2763840.0	1.000	116.3	19.7	bfb-istd
23.70	925519.0	0.335	64.7	11.0	2.4 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-02_US EPA; C10-022; 15248; 5.984L

2/16/2016, Rgill

		BFB(ng)	RF				
TIC: T160212_08.D\data.ms		107		0.92	6.0		
				Mass	**Conc.**		
RT	Area	RelResp		ng	ug/m3	ppb	Compound
13.94	2822491.0	1.000		116.3	19.4		bfb-Istd
23.70	776933.0	0.275		49.4	8.3	1.8	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-03_US EPA; C10-023; 15156; 5.914L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_09.D\data.ms	107		0.92	5.9	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2619443.0	1.000	116.3	19.7	bfb-istd
23.70	734253.0	0.280	52.9	8.9	1.9 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-04_US EPA; C10-024; 15162; 5.413L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_10.D\data.ms	107		0.92	5.4	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2805036.0	1.000	116.3	21.5	bfb-Istd
23.70	976076.0	0.348	63.8	11.8	2.5 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-05_US EPA; C10-025; 16362; 6.015L

2/16/2016, Rgill

		BFB(ng)	RF			
TIC: T160212_11.D\data.ms		107		0.92	6.0	
				Mass	**Conc.**	
RT	Area	RelResp		ng	ug/m3	ppb Compound
13.94	2830025.0	1.000		116.3	19.3	bfb-Istd
23.70	897626.0	0.317		57.7	9.6	2.1 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-06_US EPA; C10-026; 16448; 6.129L

2/16/2016, Rgill

		BFB(ng)	RF			
TIC: T160212_12.D\data.ms		107		0.92	6.1	
				Mass	**Conc.**	
RT	Area	RelResp		ng	ug/m3	ppb Compound
13.94	2830858.0	1.000		116.3	19.0	bfb-lstd
23.70	558147.0	0.197		34.1	5.6	1.2 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-07_US EPA; C10-027; 16158; 5.892L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_13.D\data.ms	107		0.92	5.9	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2867110.0	1.000	116.3	19.7	bfb-Istd
23.70	751755.0	0.262	52.4	8.9	1.9 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-08_US EPA; C10-028; 16133; 5.811L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_14.D\data.ms	107		0.92	5.8	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2868774.0	1.000	116.3	20.0	bfb-Istd
23.70	875795.0	0.305	59.1	10.2	2.2 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-09_US EPA; C10-029; 17355; 5.549L

2/16/2016, Rgill

		BFB(ng)	RF				
TIC: T160212_15.D\data.ms		107		0.92	5.5		
				Mass	**Conc.**		
RT	Area	RelResp		ng	ug/m3	ppb	Compound
13.94	2871957.0	1.000		116.3	21.0		bfb-lstd
23.70	929708.0	0.324		63.0	11.3	2.5	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-10_US EPA; C10-030; 17446; 5.591L

2/16/2016, Rgill

	BFB(ng)	RF				
TIC: T160212_16.D\data.ms	107		0.92	5.6		
			Mass	**Conc.**		
RT	Area	RelResp	ng	ug/m3	ppb	Compound
13.94	2727296.0	1.000	116.3	20.8		bfb-Istd
23.70	716210.0	0.263	47.2	8.4	1.8	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-11_US EPA; C10-031; 17144; 5.415L

2/16/2016, Rgill

		BFB(ng)	RF			
TIC: T160212_17.D\data.ms		107	0.92	5.4		
			Mass	**Conc.**		
RT	Area	RelResp	ng	ug/m3	ppb	Compound
13.94	2738431.0	1.000	116.3	21.5		bfb-Istd
23.70	902243.0	0.329	64.3	11.9	2.6	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-12_US EPA; C10-032; 17132; 5.618L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_18.D\data.ms	107		0.92	5.6	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2811824.0	1.000	116.3	20.7	bfb-Istd
23.70	1264360.0	0.450	88.1	15.7	3.4 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-13_US EPA; C10-033; 18446; 5.411L

2/16/2016, Rgill

	BFB(ng)	RF		
TIC: T160212_19.D\data.ms	107	0.92	5.4	
		Mass	**Conc.**	

RT	Area	RelResp	ng	ug/m3	ppb	Compound
13.94	2755891.0	1.000	116.3	21.5		bfb-lstd
23.70	813400.0	0.295	59.3	11.0	2.4	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-14_US EPA; C10-034; 18113; 5.625L

2/16/2016, Rgill

	BFB(ng)	RF				
TIC: T160212_20.D\data.ms	107		0.92	5.6		
			Mass	**Conc.**		
RT	Area	RelResp	ng	ug/m3	ppb	Compound
13.94	2635618.0	1.000	116.3	20.7		bfb-Istd
23.70	1034532.0	0.393	76.7	13.6	2.9	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-15_US EPA; C10-035; 18243; 5.835L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_21.D\data.ms	107		0.92	5.8	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2643344.0	1.000	116.3	19.9	bfb-Istd
23.70	1097750.0	0.415	82.0	14.0	3.0 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-16_US EPA; C10-036; 18357; 5.704L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_22.D\data.ms	107		0.92	5.7	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2835544.0	1.000	116.3	20.4	bfb-Istd
23.70	1090932.0	0.385	74.0	13.0	2.8 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-17_US EPA; C10-037; 19310; 5.328L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_23.D\data.ms	107		0.92	5.3	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2609740.0	1.000	116.3	21.8	bfb-Istd
23.70	1039244.0	0.398	77.0	14.5	3.1 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-18_US EPA; C10-038; 19415; 5.61L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_24.D\data.ms	107		0.92	5.6	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2749467.0	1.000	116.3	20.7	bfb-Istd
23.70	999514.0	0.364	67.3	12.0	2.6 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-031-20_US EPA; C10-040; 19123; 5.593L

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160212_26.D\data.ms	107		0.92	5.6	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.94	2644818.0	1.000	116.3	20.8	bfb-Istd
23.70	492111.0	0.186	35.8	6.4	1.4 Caprolactam

061-031-01 5.889 litres
US EPA
Mi59958 collected: 2/8/2016
21; 15322

061-031-02 5.984 litres
US EPA
Mi51119 collected: 2/8/2016
C10-22; 15248

061-031-03 5.914 litres
US EPA
Mi193211 collected: 2/8/2016
C10-23; 15156

061-031-04 5.413 litres
US EPA
Mi59923 collected: 2/8/2016
C10-24; 15162

061-031-05 6.015 litres
US EPA
Mi59936 collected: 2/8/2016
C10-25; 16362

061-031-06 6.129 litres
US EPA
Mi59956 collected: 2/8/2016
C10-26; 16448

061-031-07 5.892 litres
US EPA
242446 collected: 2/8/2016
C10-27; 16158

061-031-08 5.811 litres
US EPA
Mi51173 collected: 2/8/2016
C10-28; 16133

061-031-09 5.549 litres
US EPA
Mi59927 collected: 2/8/2016
C10-29; 17355

061-031-10 5.591 litres
US EPA
Mi51154 collected: 2/8/2016
C10-30; 17446

061-031-11 5.415 litres
US EPA
Mi58837 collected: 2/8/2016
C10-31; 17144

061-031-12 5.618 litres
US EPA
Mi58847 collected: 2/8/2016
C10-32; 17132

061-031-13 5.411 litres
US EPA
Mi59953 collected: 2/8/2016
C10-33; 18446

061-031-14 5.625 litres
US EPA
203159 collected: 2/8/2016
C10-34; 18113

061-031-15 5.835 litres
US EPA
203169 collected: 2/8/2016
C10-35; 18243

061-031-16 5.704 litres
US EPA
Mi59933 collected: 2/8/2016
C10-36; 18357

061-031-17 5.328 litres
US EPA
203165 collected: 2/8/2016
C10-37; 19310

061-031-18 5.61 litres
US EPA
Mi193222 collected: 2/8/2016
C10-38; 19415

061-031-19 5.683 litres
US EPA
242407 collected: 2/8/2016
C10-39; 19331

061-031-20 5.593 litres
US EPA
Mi193239 collected: 2/8/2016
C10-40;19123

061-031-21 57.16 litres
US EPA
F10-21 collected: 2/8/2016
:2

061-031-22 58.78 litres
US EPA
F10-22 collected: 2/8/2016
15248

061-031-23 55.08 litres
US EPA
F10-23 collected: 2/8/2016
15156

061-031-24 52.56 litres
US EPA
F10-24 collected: 2/8/2016
15162

061-031-25 58.78 litres
US EPA
F10-25 collected: 2/8/2016
16362

061-031-26 56.46 litres
US EPA
F10-26 collected: 2/8/2016
16448

061-031-27 57.25 litres
US EPA
F10-27 collected: 2/8/2016
16158

061-031-28 57.1 litres
US EPA
F10-28 collected: 2/8/2016
16133

061-031-29 54.54 litres
US EPA
F10-29 collected: 2/8/2016
17355

061-031-30 54.33 litres
US EPA
F10-30 collected: 2/8/2016
17446

061-031-31 53.59 litres
US EPA
F10-31 collected: 2/8/2016
17144

061-031-32 52.17 litres
US EPA
F10-32 collected: 2/8/2016
17132

061-031-33 52.43 litres
US EPA
F10-33 collected: 2/8/2016
18446

061-031-34 55.09 litres
US EPA
F10-34 collected: 2/8/2016
18113

061-031-35 54.11 litres
US EPA
F10-35 collected: 2/8/2016
18243

061-031-36 55.58 litres
US EPA
F10-36 collected: 2/8/2016
18357

061-031-37 52.33 litres
US EPA
F10-37 collected: 2/8/2016
19310

061-031-38 52.03 litres
US EPA
F10-38 collected: 2/8/2016
19415

061-031-39 55.32 litres
US EPA
F10-39 collected: 2/8/2016
19331

061-031-40 54.86 litres
US EPA
F10-40 collected: 2/8/2016
19123

SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS

OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30

1. REQUISITION NUMBER: PR-R9-16-00156

PAGE 1 OF 12

2. CONTRACT NO.:

3. AWARD/ EFFECTIVE DATE:

4. ORDER NUMBER: EP-16-9-000013

5. SOLICITATION NUMBER:

6. SOLICITATION ISSUE DATE:

7. FOR SOLICITATION INFORMATION CALL: a. NAME: Zachary Slater

b. TELEPHONE NUMBER (No collect calls): 415-972-3670

8. OFFER DUE DATE/LOCAL TIME:

9. ISSUED BY CODE R9

Region 9
US Environmental Protection Agency
75 Hawthorne Street
San Francisco CA 94105

10. THIS ACQUISITION IS ☒ UNRESTRICTED OR ☐ SET ASIDE: % FOR:

☐ SMALL BUSINESS
☐ HUBZONE SMALL BUSINESS
☐ SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS
☐ WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOMEN-OWNED SMALL BUSINESS PROGRAM
☐ EDWOSB
☐ 8(A)

NAICS: 541380

SIZE STANDARD: $14.0

11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED ☐ SEE SCHEDULE

12. DISCOUNT TERMS:

☐ 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)

13b. RATING:

14. METHOD OF SOLICITATION ☐ RFQ ☐ IFB ☐ RFP

15. DELIVER TO CODE R9

Region 9
US Environmental Protection Agency
75 Hawthorne Street
San Francisco CA 94105

16. ADMINISTERED BY CODE R9

Region 9
US Environmental Protection Agency
75 Hawthorne Street
San Francisco CA 94105

17a. CONTRACTOR/ OFFEROR CODE 609458062 FACILITY CODE

BERKELEY ANALYTICAL ASSOCIATES, LLC
Attn: RAJA TANNOUS
815 HARBOUR WAY SOUTH
UNIT 6
RICHMOND CA 94804

TELEPHONE NO. 5102362325

☐ 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER

18a. PAYMENT WILL BE MADE BY CODE RTP FMC

RTP Finance Center
US Environmental Protection Agency
RTP-Finance Center (AA216-01)
109 TW Alexander Drive
www2.epa.gov/financial/contracts
Durham NC 27711

18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED ☐ SEE ADDENDUM

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	DUNS Number: 609458062 INSTRUCTIONS FOR SUBMITTING INVOICES ARE OUTLINED ON THE FOLLOWING PAGE TITLED "INVOICES." Period of Performance: 02/02/2016 to 02/29/2016				
0001	Industrial Hygiene sampling media and laboratory analysis for up to 40 analytical samples of formaldehyde and caprolactam. Berkeley Analytical will provide EPA 40 conditioned sorbent tubes for volatile organic				11,800.00

(Use Reverse and/or Attach Additional Sheets as Necessary)

25. ACCOUNTING AND APPROPRIATION DATA: See schedule

26. TOTAL AWARD AMOUNT *(For Govt. Use Only)*: NTE $11,800.00

☐ 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA ☐ ARE ☐ ARE NOT ATTACHED.

☒ 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA ☒ ARE ☐ ARE NOT ATTACHED.

☐ 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN _____ COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED.

☐ 29. AWARD OF CONTRACT: _____ OFFER DATED _____. YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:

30a. SIGNATURE OF OFFEROR/CONTRACTOR

31a. UNITED STATES OF AMERICA *(SIGNATURE OF CONTRACTING OFFICER)*

ELECTRONIC SIGNATURE

30b. NAME AND TITLE OF SIGNER *(Type or print)*

30c. DATE SIGNED

31b. NAME OF CONTRACTING OFFICER *(Type or print)*: Zachary Slater

31c. DATE SIGNED: 02/02/2016

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	compound analysis specifically for determining the concentration of caprolactam. The multisorbent sampler will be analyzed by Berkeley Analytical in conformance with their modified EPA Method TO-17. Berkeley Analytical will provide EPA 40 Sep-Pak XPoSure Aldehyde Samplers for formaldehye air sampling. The sampler will be analyzed by Berkeley Analytical in conformance with their methods EPA TO-11A and ASTM Standard Test Method D 5197. Formal laboratory reports will follow and be provided by e-mail with summarized results for all samples within a week of submitting samples to the laboratory. Berkeley Analytical POC: Lois Switzer 510-236-2325 lois.switzer@berkeleyanalytical.com EPA Region 9 POC: Karen Rivera 415-972-3689 rivera.karen@epa.gov Accounting Info: Continued ...				

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED ☐ INSPECTED ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE		32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE 32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE

33. SHIP NUMBER	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT	37. CHECK NUMBER
☐ PARTIAL ☐ FINAL			☐ COMPLETE ☐ PARTIAL ☐ FINAL	
38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY		

41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT		42a. RECEIVED BY *(Print)*
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b. RECEIVED AT *(Location)*
		42c. DATE REC'D *(YY/MM/DD)* / 42d. TOTAL CONTAINERS

NAME OF OFFEROR OR CONTRACTOR
BERKELEY ANALYTICAL ASSOCIATES, LLC

ITEM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	16-17-B-09ED-ZZZGF2-2583-1609KB6502-001 BFY: 16 EFY: 17 Fund: B Budget Org: 09ED Program (PRC): ZZZGF2 Budget (BOC): 2583 DCN - Line ID: 1609KB6502-001 Funding Flag: Complete Funded: $8,260.00 Accounting Info: 16-T-09ED-ZZZGF2-2583-0900BM00-1609KB6502-002 BFY: 16 Fund: T Budget Org: 09ED Program (PRC): ZZZGF2 Budget (BOC): 2583 Job #: 0900BM00 DCN - Line ID: 1609KB6502-002 Funding Flag: Complete Funded: $3,540.00				

SECTION 13SCC - FAR 13 SAP Commercial clauses 5
13SCC-1 Clauses 5
SECTION 52ADD - Addenda to FAR 52.212-4 12
52ADD-1 Clauses 12

SECTION 13SCC - FAR 13 SAP Commercial clauses

13SCC-1 Clauses

13SCC-1 FAR 52.212-4 CONTRACT TERMS AND CONDITIONS - COMMERCIAL ITEMS. (MAY 2015)

13SCC-2 FAR 52.212-5 CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS - COMMERCIAL ITEMS. (JAN 2016)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

(1) 52.209-10, Prohibition on Contracting with Inverted Domestic Corporations (NOV 2015).

(2) 52.233-3, Protest After Award (AUG 1996) (31 U.S.C. 3553).

(3) 52.233-4, Applicable Law for Breach of Contract Claim (OCT 2004) (Public Laws 108-77 and 108-78 (19 U.S.C. 3805 note)).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items: (Contracting Officer check as appropriate.)

[ ] (1) 52.203-6, Restrictions on Subcontractor Sales to the Government (SEP 2006), with Alternate I (OCT 1995) (41 U.S.C. 4704 and 10 U.S.C. 2402).

[ ] (2) 52.203-13, Contractor Code of Business Ethics and Conduct (OCT 2015) (41 U.S.C. 3509).

[ ] (3) 52.203-15, Whistleblower Protections under the American Recovery and Reinvestment Act of 2009 (JUN 2010) (Section 1553 of Pub. L. 111-5). (Applies to contracts funded by the American Recovery and Reinvestment Act of 2009.)

[ ] (4) 52.204-10, Reporting Executive Compensation and First-Tier Subcontract Awards (OCT 2015) (Pub. L. 109-282) (31 U.S.C. 6101 note).

(5) (Reserved)

[ ] (6) 52.204-14, Service Contract Reporting Requirements (JAN 2014) (Pub. L. 111-117, section 743 of Div. C).

[ ] (7) 52.204-15, Service Contract Reporting Requirements for Indefinite-Delivery Contracts (JAN 2014) (Pub. L. 111-117, section 743 of Div. C).

[ ] (8) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment. (OCT 2015) (31 U.S.C. 6101 note).

[ ] (9) 52.209-9, Updates of Publicly Available Information Regarding Responsibility Matters (JUL 2013) (41 U.S.C. 2313).

[ ] (10) (Reserved)

[ ] (11)(i) 52.219-3, Notice of HUBZone Set-Aside or Sole-Source Award (NOV 2011) (15 U.S.C. 657a).

[ ] (ii) Alternate I (NOV 2011) of 52.219-3.

[ ] (12)(i) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (OCT 2014) (if the offeror elects to waive the preference, it shall so indicate in its offer) (15 U.S.C. 657a).

[ ] (ii) Alternate I (JAN 2011) of 52.219-4.

[ ] (13) (Reserved)

[ ] (14)(i) 52.219-6, Notice of Total Small Business Set-Aside (NOV 2011) (15 U.S.C. 644).

[ ] (ii) Alternate I (NOV 2011).

[ ] (iii) Alternate II (NOV 2011).

[ ] (15)(i) 52.219-7, Notice of Partial Small Business Set-Aside (JUN 2003) (15 U.S.C. 644).

[ ] (ii) Alternate I (OCT 1995) of 52.219-7.

[ ] (iii) Alternate II (MAR 2004) of 52.219-7.

[ ] (16) 52.219-8, Utilization of Small Business Concerns (OCT 2014) (15 U.S.C. 637(d)(2) and (3)).

[ ] (17)(i) 52.219-9, Small Business Subcontracting Plan (OCT 2015) (15 U.S.C. 637(d)(4)).

[ ] (ii) Alternate I (OCT 2001) of 52.219-9.

[ ] (iii) Alternate II (OCT 2001) of 52.219-9.

[ ] (iv) Alternate III (OCT 2015) of 52.219-9.

[ ] (18) 52.219-13, Notice of Set-Aside of Orders (NOV 2011) (15 U.S.C. 644(r)).

[ ] (19) 52.219-14, Limitations on Subcontracting (NOV 2011) (15 U.S.C. 637(a)(14)).

[ ] (20) 52.219-16, Liquidated Damages-Subcontracting Plan (JAN 1999) (15 U.S.C. 637(d)(4)(F)(i)).

[ ] (21) 52.219-27, Notice of Service-Disabled Veteran-Owned Small Business Set-Aside (NOV 2011) (15 U.S.C. 657f).

[ ] (22) 52.219-28, Post Award Small Business Program Rerepresentation (JUL 2013) (15 U.S.C. 632(a)(2)).

[ ] (23) 52.219-29, Notice of Set-Aside for, or Sole Source Award to, Economically Disadvantaged Women-Owned Small Business Concerns (DEC 2015) (15 U.S.C. 637(m)).

[ ] (24) 52.219-30, Notice of Set-Aside for, or Sole Source Award to, Women-Owned Small Business Concerns Eligible Under the Women-Owned Small Business Program (DEC 2015) (15 U.S.C. 637(m)).

[ ] (25) 52.222-3, Convict Labor (JUN 2003) (E.O. 11755).

[ ] (26) 52.222-19, Child Labor-Cooperation with Authorities and Remedies (JAN 2016) (E.O. 13126).

[ ] (27) 52.222-21, Prohibition of Segregated Facilities (APR 2015).

[ ] (28) 52.222-26, Equal Opportunity (APR 2015) (E.O. 11246).

[ ] (29) 52.222-35, Equal Opportunity for Veterans (OCT 2015) (38 U.S.C. 4212).

[ ] (30) 52.222-36, Equal Opportunity for Workers with Disabilities (JUL 2014) (29 U.S.C. 793).

[ ] (31) 52.222-37, Employment Reports on Veterans (OCT 2015) (38 U.S.C. 4212).

[ ] (32) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (E.O. 13496).

[ ] (33)(i) 52.222-50, Combating Trafficking in Persons (MAR 2015) (22 U.S.C. chapter 78 and E.O. 13627).

[ ] (ii) *Alternate I* (MAR 2015) of 52.222-50 (22 U.S.C. chapter 78 and E.O. 13627).

[ ] (34) 52.222-54, Employment Eligibility Verification (OCT 2015). (E. O. 12989). (Not applicable to the acquisition of commercially available off-the-shelf items or certain other types of commercial items as prescribed in 22.1803.)

[ ] (35)(i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA-Designated Items (MAY 2008) (42 U.S.C. 6962(c)(3)(A)(ii)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

[ ] (ii) Alternate I (MAY 2008) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

[ ] (36)(i) 52.223-13, Acquisition of EPEAT®-Registered Imaging Equipment (JUN 2014) (E.O.s 13423 and 13514).

[ ] (ii) Alternate I (OCT 2015) of 52.223-13.

[ ] (37)(i) 52.223-14, Acquisition of EPEAT®-Registered Televisions (JUN 2014) (E.O.s 13423 and 13514).

(ii) Alternate I (JUN 2014) of 52.223-14.

[ ] (38) 52.223-15, Energy Efficiency in Energy-Consuming Products (DEC 2007) (42 U.S.C. 8259b).

[ ] (39)(i) 52.223-16, Acquisition of EPEAT®-Registered Personal Computer Products (OCT 2015) (E.O.s 13423 and 13514).

[ ](ii) Alternate I (JUN 2014) of 52.223-16.

[ ] (40) 52.223-18, Encouraging Contractor Policies to Ban Text Messaging While Driving (AUG 2011)

[ ] (41) 52.225-1, Buy American-Supplies (MAY 2014) (41 U.S.C. chapter 83).

[ ] (42)(i) 52.225-3, Buy American-Free Trade Agreements-Israeli Trade Act (MAY 2014) (41 U.S.C. chapter 83, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note, 19 U.S.C. 3805 note, 19 U.S.C. 4001 note, Pub. L. 103-182, 108-77, 108-78, 108-286, 108-302, 109-53, 109-169, 109-283, 110-138, 112-41, 112-42, and 112-43.

[ ] (ii) Alternate I (MAY 2014) of 52.225-3.

[ ] (iii) Alternate II (MAY 2014) of 52.225-3.

[ ] (iv) Alternate III (MAY 2014) of 52.225-3.

[ ] (43) 52.225-5, Trade Agreements (NOV 2013) (19 U.S.C. 2501, *et seq.*, 19 U.S.C. 3301 note).

[ ] (44) 52.225-13, Restrictions on Certain Foreign Purchases (JUN 2008) (E.O.'s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

[ ] (45) 52.225-26, Contractors Performing Private Security Functions Outside the United States (JUL 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).

[ ] (46) 52.226-4, Notice of Disaster or Emergency Area Set-Aside (NOV 2007) (42 U.S.C. 5150).

[ ] (47) 52.226-5, Restrictions on Subcontracting Outside Disaster or Emergency Area (NOV 2007) (42 U.S.C. 5150).

[ ] (48) 52.232-29, Terms for Financing of Purchases of Commercial Items (FEB 2002) (41 U.S.C. 4505, 10 U.S.C. 2307(f)).

[ ] (49) 52.232-30, Installment Payments for Commercial Items (OCT 1995) (41 U.S.C. 4505, 10 U.S.C. 2307(f)).

[X] (50) 52.232-33, Payment by Electronic Funds Transfer-System for Award Management (JUL 2013) (31 U.S.C. 3332).

[ ] (51) 52.232-34, Payment by Electronic Funds Transfer - Other than System for Award Management (JUL 2013) (31 U.S.C. 3332).

[ ] (52) 52.232-36, Payment by Third Party (MAY 2014) (31 U.S.C. 3332).

[ ] (53) 52.239-1, Privacy or Security Safeguards (AUG 1996) (5 U.S.C. 552a).

[ ] (54)(i) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (FEB 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631).

[ ] (ii) Alternate I (APR 2003) of 52.247-64.

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items: (Contracting Officer check as appropriate.)

[ ] (1) 52.222-17, Nondisplacement of Qualified Workers (MAY 2014) (E.O. 13495).

[ ] (2) 52.222-41, Service Contract Labor Standards (MAY 2014) (41 U.S.C. chapter 67).

[ ] (3) 52.222-42, Statement of Equivalent Rates for Federal Hires (MAY 2014) (29 U.S.C. 206 and 41 U.S.C. chapter 67).

[ ] (4) 52.222-43, Fair Labor Standards Act and Service Contract Labor Standards-Price Adjustment (Multiple Year and Option Contracts) (MAY 2014) (29 U.S.C. 206 and 41 U.S.C. chapter 67).

[ ] (5) 52.222-44, Fair Labor Standards Act and Service Contract Labor Standards-Price Adjustment (MAY 2014) (29 U.S.C 206 and 41 U.S.C. chapter 67).

[ ] (6) 52.222-51, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment-Requirements (MAY 2014) (41 U.S.C. chapter 67).

[ ] (7) 52.222-53, Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services-Requirements (MAY 2014) (41 U.S.C. chapter 67).

[ ] (8) 52.222-55, Minimum Wages Under Executive Order 13658 (DEC 2015) (E.O. 13658).

[ ] (9) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations (MAY 2014) (42 U.S.C. 1792).

[ ] (10) 52.237-11, Accepting and Dispensing of $1 Coin (SEP 2008) (31 U.S.C. 5112(p)(1)).

(d) *Comptroller General Examination of Record.* The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records - Negotiation.

(1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the

settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e)(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c), and (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in this paragraph (e)(1) of this paragraph in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause-

(i) 52.203-13, Contractor Code of Business Ethics and Conduct (OCT 2015) (41 U.S.C. 3509).

(ii) 52.219-8, Utilization of Small Business Concerns (OCT 2014) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds $700,000 ($1.5 million for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(iii) 52.222-17, Nondisplacement of Qualified Workers (MAY 2014) (E.O. 13495). Flow down required in accordance with paragraph (l) of FAR clause 52.222-17.

(iv) 52.222-21, Prohibition of Segregated Facilities (APR 2015).

(v) 52.222-26, Equal Opportunity (APR 2015) (E.O. 11246).

(vi) 52.222-35, Equal Opportunity for Veterans (OCT 2015) (38 U.S.C. 4212).

(vii) 52.222-36, Equal Opportunity for Workers with Disabilities (JUL 2014) (29 U.S.C. 793).

(viii) 52.222-37, Employment Reports on Veterans (OCT 2015) (38 U.S.C. 4212).

(ix) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (E.O. 13496). Flow down required in accordance with paragraph (f) of FAR clause 52.222-40.

(x) 52.222-41, Service Contract Labor Standards (MAY 2014) (41 U.S.C. chapter 67).

(xi) __ (A) 52.222-50, Combating Trafficking in Persons (MAR 2015) (22 U.S.C. chapter 78 and E.O. 13627).

__ (B) Alternate I (MAR 2015) of 52.222-50 (22 U.S.C. chapter 78 and E.O. 13627).

(xii) 52.222-51, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment-Requirements (MAY 2014) (41 U.S.C. chapter 67).

(xiii) 52.222-53, Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services-Requirements (MAY 2014) (41 U.S.C. chapter 67).

(xiv) 52.222-54, Employment Eligibility Verification (OCT 2015) (E. O. 12989).

(xv) 52.222-55, Minimum Wages Under Executive Order 13658 (DEC 2015) (E.O. 13658).

(xvi) 52.225-26, Contractors Performing Private Security Functions Outside the United States (JUL 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).

(xvii) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations (MAY 2014) (42 U.S.C. 1792). Flow down required in accordance with paragraph (e) of FAR clause 52.226-6.

(xviii) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (FEB 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64.

(2) While not required, the Contractor May include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(End of clause)

SECTION 52ADD - Addenda to FAR 52.212-4

52ADD-1 Clauses

52ADD-1 FAR 52.204-7 SYSTEM FOR AWARD MANAGEMENT. (JUL 2013)

52ADD-2 FAR 52.252-2 CLAUSES INCORPORATED BY REFERENCE. (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es): http://farsite.hill.af.mil/vffara.htm

(End of clause)

52ADD-3 EPAAR 1552.211-79 COMPLIANCE WITH EPA POLICIES FOR INFORMATION RESOURCES MANAGEMENT. (JAN 2012)

force and effect as if they were given in
ilable. Also, the full text of a clause may
ffara.htm

INVOICES

shall be prepared in original and at least one copy, containing the wing information: Purchase Order Number, description of mmodities/services furnished, period of performance, taxpayer ID or DUNS number, and amount due. **All invoices are to be sent to the US EPA, RTP Finance Center as outlined below.** For status of invoice payments, call the US EPA, RTP Financial Office's Customer Service phone number at (919) 541-0616.

To submit your Simplified Acquisition Procurement (SAP) invoice by email:

1. Submit your SAP invoice in PDF format via email using the following procedures:
    a. Ensure your invoice is in PDF format and is named using the following naming convention: SI_purchaseordernumber_invoicenumber.pdf.
        i. Example: SI_EP1490000XX_5335.pdf
    b. The SUBJECT of your email should follow the same naming convention as the PDF file name of your invoice: SI_purchaseordernumber_invoicenumber.pdf.
    c. Do not submit correspondence in the body of the email, and do not include any attachments which are not invoices.
    d. Invoices must be in PDF format and attached to the email. A separate attachment for each invoice is required. If the invoice is a scanned document, the size should be standard 8.5" x 11". The first page of the PDF document must contain the first page of the invoice.
2. Email pdf file to RTPreceiving@epa.gov.
3. If you need assistance please contact (919) 541-0616.

If you are unable to submit your SAP invoice by email, please use the mailing addresses below:

U.S. Postal Service	U.S. Environmental Protection Agency RTP-Finance Center (AA216-01) Durham, N.C. 27711
UPS, Federal Express, or Overnight Mail	U.S. Environmental Protection Agency RTP-Finance Center 4930 Old Page Road (AA216-01) Durham, N.C. 27703

For more information visit http://www2.epa.gov/financial/contracts .