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Analysis of Field-Collected Air Samples

Customer and Project Information

Report Certification	
Report number	061-030-IH-Feb0816
Report date	February 8, 2016
Certified by (Name/Title)	Alfred T. Hodgson, Research Director
Signature	
Date	*February 8, 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 3, 2016

Laboratory Receiving Information	
Date samples received by lab	February 5, 2016
Condition of samples	No observed problems
Lab tracking numbers	061-030-01 to 061-030-40

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Sample Information

Sample No.	Sample Description	Sampler No.	Date Collected	Volume* (L)	Analysis Type	Specified Method
C10-01	3314	Mi193231	February 3, 2016	5.520	Caprolactam	TO-17
C10-02	3400	203144	February 3, 2016	5.837	Caprolactam	TO-17
C10-03	3363	242467	February 3, 2016	6.100	Caprolactam	TO-17
C10-04	3320	203170	February 3, 2016	5.514	Caprolactam	TO-17
C10-05	10146	203151	February 3, 2016	5.640	Caprolactam	TO-17
C10-06	10151	Mi193224	February 3, 2016	5.815	Caprolactam	TO-17
C10-07	10221	203184	February 3, 2016	5.498	Caprolactam	TO-17
C10-08	10344	Mi193288	February 3, 2016	5.326	Caprolactam	TO-17
C10-09	11137	203198	February 3, 2016	5.808	Caprolactam	TO-17
C10-10	11350	203137	February 3, 2016	5.413	Caprolactam	TO-17
C10-11	11420	242440	February 3, 2016	5.710	Caprolactam	TO-17
C10-12	11310	Mi193218	February 3, 2016	5.518	Caprolactam	TO-17
C10-13	12441	242442	February 3, 2016	5.591	Caprolactam	TO-17
C10-14	12414	Mi193227	February 3, 2016	5.549	Caprolactam	TO-17
C10-15	12351	242405	February 3, 2016	5.729	Caprolactam	TO-17
C10-16	12144	Mi193238	February 3, 2016	5.588	Caprolactam	TO-17
C10-17	14414	242500	February 3, 2016	6.506	Caprolactam	TO-17
C10-18	14364	242476	February 3, 2016	6.315	Caprolactam	TO-17
C10-19	14112	Mi193234	February 3, 2016	6.000	Caprolactam	TO-17
C10-20	14246	203107	February 3, 2016	5.737	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
F10-01	3314	Waters Cart	February 3, 2016	51.05	Formaldehyde	D 5197
F10-02	3400	Waters Cart	February 3, 2016	55.47	Formaldehyde	D 5197
F10-03	3363	Waters Cart	February 3, 2016	55.15	Formaldehyde	D 5197
F10-04	3320	Waters Cart	February 3, 2016	51.33	Formaldehyde	D 5197
F10-05	10146	Waters Cart	February 3, 2016	53.73	Formaldehyde	D 5197
F10-06	10151	Waters Cart	February 3, 2016	52.37	Formaldehyde	D 5197
F10-07	10221	Waters Cart	February 3, 2016	51.97	Formaldehyde	D 5197
C10-08	10344	Waters Cart	February 3, 2016	51.00	Formaldehyde	D 5197
F10-09	11137	Waters Cart	February 3, 2016	52.95	Formaldehyde	D 5197
F10-10	11350	Waters Cart	February 3, 2016	51.56	Formaldehyde	D 5197
F10-11	11420	Waters Cart	February 3, 2016	54.92	Formaldehyde	D 5197
F10-12	11310	Waters Cart	February 3, 2016	50.56	Formaldehyde	D 5197
F10-13	12441	Waters Cart	February 3, 2016	54.14	Formaldehyde	D 5197
F10-14	12414	Waters Cart	February 3, 2016	54.16	Formaldehyde	D 5197
F10-15	12351	Waters Cart	February 3, 2016	52.94	Formaldehyde	D 5197
F10-16	12144	Waters Cart	February 3, 2016	54.21	Formaldehyde	D 5197
F10-17	14414	Waters Cart	February 3, 2016	62.65	Formaldehyde	D 5197
F10-18	14364	Waters Cart	February 3, 2016	60.38	Formaldehyde	D 5197
F10-19	14112	Waters Cart	February 3, 2016	58.09	Formaldehyde	D 5197
F10-20	14246	Waters Cart	February 3, 2016	55.51	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
C10-01	061-030-01	TO-17	February 5, 2016	R. Gill	T160205_14
C10-02	061-030-02	TO-17	February 5, 2016	R. Gill	T160205_15
C10-03	061-030-03	TO-17	February 5, 2016	R. Gill	T160205_16
C10-04	061-030-04	TO-17	February 5, 2016	R. Gill	T160205_17
C10-05	061-030-05	TO-17	February 5, 2016	R. Gill	T160205_18
C10-06	061-030-06	TO-17	February 5, 2016	R. Gill	T160205_19
C10-07	061-030-07	TO-17	February 5, 2016	R. Gill	T160205_20
C10-08	061-030-08	TO-17	February 5, 2016	R. Gill	T160205_21
C10-09	061-030-09	TO-17	February 5, 2016	R. Gill	T160205_22
C10-10	061-030-10	TO-17	February 5, 2016	R. Gill	T160205_23
C10-11	061-030-11	TO-17	February 5, 2016	R. Gill	T160205_24
C10-12	061-030-12	TO-17	February 5, 2016	R. Gill	T160205_25
C10-13	061-030-13	TO-17	February 5, 2016	R. Gill	T160205_26
C10-14	061-030-14	TO-17	February 5, 2016	R. Gill	T160205_27
C10-15	061-030-15	TO-17	February 5, 2016	R. Gill	T160205_28
C10-16	061-030-16	TO-17	February 5, 2016	R. Gill	T160205_29
C10-17	061-030-17	TO-17	February 5, 2016	R. Gill	T160205_30
C10-18	061-030-18	TO-17	February 5, 2016	R. Gill	T160205_31
C10-19	061-030-19	TO-17	February 5, 2016	R. Gill	T160205_32
C10-20	061-030-20	TO-17	February 5, 2016	R. Gill	T160205_33

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Analytical Information, Continued

Sample No.	Lab Track. No.	Method	Date Analyzed	Analyst	Data File
F10-01	061-030-21	D 5197	February 5, 2016	T.Cheng	160205\160205003.D
F10-02	061-030-22	D 5197	February 5, 2016	T.Cheng	160205\160205004.D
F10-03	061-030-23	D 5197	February 5, 2016	T.Cheng	160205\160205005.D
F10-04	061-030-24	D 5197	February 5, 2016	T.Cheng	160205\160205006.D
F10-05	061-030-25	D 5197	February 5, 2016	T.Cheng	160205\160205007.D
F10-06	061-030-26	D 5197	February 5, 2016	T.Cheng	160205\160205008.D
F10-07	061-030-27	D 5197	February 5, 2016	T.Cheng	160205\160205009.D
C10-08	061-030-28	D 5197	February 5, 2016	T.Cheng	160205\160205010.D
F10-09	061-030-29	D 5197	February 5, 2016	T.Cheng	160205\160205011.D
F10-10	061-030-30	D 5197	February 5, 2016	T.Cheng	160205\160205012.D
F10-11	061-030-31	D 5197	February 5, 2016	T.Cheng	160205\160205013.D
F10-12	061-030-32	D 5197	February 5, 2016	T.Cheng	160205\160205014.D
F10-13	061-030-33	D 5197	February 7, 2016	T.Cheng	160207B\160207005.D
F10-14	061-030-34	D 5197	February 7, 2016	T.Cheng	160207B\160207006.D
F10-15	061-030-35	D 5197	February 7, 2016	T.Cheng	160207B\160207007.D
F10-16	061-030-36	D 5197	February 7, 2016	T.Cheng	160207B\160207008.D
F10-17	061-030-37	D 5197	February 7, 2016	T.Cheng	160207B\160207009.D
F10-18	061-030-38	D 5197	February 7, 2016	T.Cheng	160207B\160207010.D
F10-19	061-030-39	D 5197	February 7, 2016	T.Cheng	160207B\160207011.D
F10-20	061-030-40	D 5197	February 7, 2016	T.Cheng	160207B\160207012.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 5, 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.).

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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)
C10-01	3314	5.520	49.6	9.0	1.9
C10-02	3400	5.837	13.9	2.4	0.5
C10-03	3363	6.100	55.8	9.1	2.0
C10-04	3320	5.514	25.7	4.7	1.0
C10-05	10146	5.640	30.5	5.4	1.2
C10-06	10151	5.815	26.1	4.5	1.0
C10-07	10221	5.498	22.0	4.0	0.9
C10-08	10344	5.326	22.0	4.1	0.9
C10-09	11137	5.808	27.4	4.7	1.0
C10-10	11350	5.413	29.3	5.4	1.2
C10-11	11420	5.710	29.8	5.2	1.1
C10-12	11310	5.518	49.0	8.9	1.9
C10-13	12441	5.591	29.0	5.2	1.1
C10-14	12414	5.549	31.1	5.6	1.2
C10-15	12351	5.729	53.1	9.3	2.0
C10-16	12144	5.588	44.3	7.9	1.7
C10-17	14414	6.506	44.7	6.9	1.5
C10-18	14364	6.315	63.4	10.0	2.2
C10-19	14112	6.000	51.8	8.6	1.9
C10-20	14246	5.737	56.7	9.9	2.1

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

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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)
F10-01	3314	51.05	677	637	12.5	10.2
F10-02	3400	55.47	496	456	8.2	6.7
F10-03	3363	55.15	583	543	9.9	8.0
F10-04	3320	51.33	411	371	7.2	5.9
F10-05	10146	53.73	950	910	16.9	13.8
F10-06	10151	52.37	844	804	15.4	12.5
F10-07	10221	51.97	879	839	16.1	13.2
C10-08	10344	51.00	884	844	16.5	13.5
F10-09	11137	52.95	477	437	8.3	6.7
F10-10	11350	51.56	484	444	8.6	7.0
F10-11	11420	54.92	616	576	10.5	8.5
F10-12	11310	50.56	558	518	10.3	8.4
F10-13	12441	54.14	554	514	9.5	7.7
F10-14	12414	54.16	623	583	10.8	8.8
F10-15	12351	52.94	409	369	7.0	5.7
F10-16	12144	54.21	457	417	7.7	6.3
F10-17	14414	62.65	733	693	11.1	9.0
F10-18	14364	60.38	672	632	10.5	8.5
F10-19	14112	58.09	605	565	9.7	7.9
F10-20	14246	55.51	678	638	11.5	9.4

*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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e-mail: baalab@berkeleyanalytical.com

CHAIN-OF-CUSTODY RECORD
for ANALYTICAL SERVICES
2009 Update

Client Information*			
Company:	US EPA		
Street Address:	75 HAWTHORNE		
City/State/Zip Code:	SF 94105		
Country:	Contact (for reporting): Jeff Woodlee		
Project/Job Name:	IAQ		
Project/Job #:		P.O. #:	
Phone:		Fax:	
E-mail address:			

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
Mi193231	C10-01	2/3/16	57	5.520	3314	b	Caprolactam
203144	C10-02		61	5.837	3400		
242467	C10-03		62	6.100	3363		
203170	C10-04		57	5.514	3320		
203151	C10-05		59	5.640	10146		
Mi193224	C10-06		59	5.815	10151		
203184	C10-07		57	5.498	10221		
Mi193288	C10-08		56	5.326	10344		
203198	C10-09		59	5.808	11137		
203137	C10-10		56	5.413	11350		

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
			2/5/16	USEPA
	KGill		2/5/16	BAA

JC061-030

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e-mail: baalab@berkeleyanalytical.com

CHAIN-OF-CUSTODY RECORD
for ANALYTICAL SERVICES
2009 Update

Client Information*	
Company:	US EPA
Street Address:	75 Hawthorne
City/State/Zip Code:	SF 94105
Country:	Contact (for reporting): Jeff Woodle
Project/Job Name:	IAQ 75 Hawthorne
Project/Job #:	P.O. #:
Phone: (415) 972-3740	Fax:
E-mail address:	woodle.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
242440	C10-11	2/3/16	60	5.710	11420	b	Capro lactam
Mi 193218	C10-12	↓	56	5.518	11310	↓	↓
242442	C10-13	↓	58	5.591	12441	↓	↓
Mi 193227	C10-14	↓	58	5.549	12414	↓	↓
242405	C10-15	↓	58	5.729	12351	↓	↓
Mi 193238	C10-16	↓	58	5.588	12144	↓	↓
242500	C10-17	↓	68	6.506	14414	↓	↓
242476	C10-18	↓	66	6.315	14364	↓	↓
Mi 193234	C10-19	↓	62	6.000	14112	↓	↓
203107	C10-20	↓	60	5.737	14246	↓	↓

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
[signature]		[signature]	2/5/16	US EPA
	K. Hill	[signature]	2/5/16	BKA

JC061-030

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Analysis of Field-Collected Air Samples

Customer and Project Information

Report Certification	
Report number	061-030-IH-Feb0816
Report date	February 8, 2016
Certified by (Name/Title)	Alfred T. Hodgson, Research Director
Signature	
Date	*February 8, 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 3, 2016

Laboratory Receiving Information	
Date samples received by lab	February 5, 2016
Condition of samples	No observed problems
Lab tracking numbers	061-030-01 to 061-030-40

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Sample Information

Sample No.	Sample Description	Sampler No.	Date Collected	Volume* (L)	Analysis Type	Specified Method
C10-01	3314	Mi193231	February 3, 2016	5.520	Caprolactam	TO-17
C10-02	3400	203144	February 3, 2016	5.837	Caprolactam	TO-17
C10-03	3363	242467	February 3, 2016	6.100	Caprolactam	TO-17
C10-04	3320	203170	February 3, 2016	5.514	Caprolactam	TO-17
C10-05	10146	203151	February 3, 2016	5.640	Caprolactam	TO-17
C10-06	10151	Mi193224	February 3, 2016	5.815	Caprolactam	TO-17
C10-07	10221	203184	February 3, 2016	5.498	Caprolactam	TO-17
C10-08	10344	Mi193288	February 3, 2016	5.326	Caprolactam	TO-17
C10-09	11137	203198	February 3, 2016	5.808	Caprolactam	TO-17
C10-10	11350	203137	February 3, 2016	5.413	Caprolactam	TO-17
C10-11	11420	242440	February 3, 2016	5.710	Caprolactam	TO-17
C10-12	11310	Mi193218	February 3, 2016	5.518	Caprolactam	TO-17
C10-13	12441	242442	February 3, 2016	5.591	Caprolactam	TO-17
C10-14	12414	Mi193227	February 3, 2016	5.549	Caprolactam	TO-17
C10-15	12351	242405	February 3, 2016	5.729	Caprolactam	TO-17
C10-16	12144	Mi193238	February 3, 2016	5.588	Caprolactam	TO-17
C10-17	14414	242500	February 3, 2016	6.506	Caprolactam	TO-17
C10-18	14364	242476	February 3, 2016	6.315	Caprolactam	TO-17
C10-19	14112	Mi193234	February 3, 2016	6.000	Caprolactam	TO-17
C10-20	14246	203107	February 3, 2016	5.737	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
F10-01	3314	Waters Cart	February 3, 2016	51.05	Formaldehyde	D 5197
F10-02	3400	Waters Cart	February 3, 2016	55.47	Formaldehyde	D 5197
F10-03	3363	Waters Cart	February 3, 2016	55.15	Formaldehyde	D 5197
F10-04	3320	Waters Cart	February 3, 2016	51.33	Formaldehyde	D 5197
F10-05	10146	Waters Cart	February 3, 2016	53.73	Formaldehyde	D 5197
F10-06	10151	Waters Cart	February 3, 2016	52.37	Formaldehyde	D 5197
F10-07	10221	Waters Cart	February 3, 2016	51.97	Formaldehyde	D 5197
C10-08	10344	Waters Cart	February 3, 2016	51.00	Formaldehyde	D 5197
F10-09	11137	Waters Cart	February 3, 2016	52.95	Formaldehyde	D 5197
F10-10	11350	Waters Cart	February 3, 2016	51.56	Formaldehyde	D 5197
F10-11	11420	Waters Cart	February 3, 2016	54.92	Formaldehyde	D 5197
F10-12	11310	Waters Cart	February 3, 2016	50.56	Formaldehyde	D 5197
F10-13	12441	Waters Cart	February 3, 2016	54.14	Formaldehyde	D 5197
F10-14	12414	Waters Cart	February 3, 2016	54.16	Formaldehyde	D 5197
F10-15	12351	Waters Cart	February 3, 2016	52.94	Formaldehyde	D 5197
F10-16	12144	Waters Cart	February 3, 2016	54.21	Formaldehyde	D 5197
F10-17	14414	Waters Cart	February 3, 2016	62.65	Formaldehyde	D 5197
F10-18	14364	Waters Cart	February 3, 2016	60.38	Formaldehyde	D 5197
F10-19	14112	Waters Cart	February 3, 2016	58.09	Formaldehyde	D 5197
F10-20	14246	Waters Cart	February 3, 2016	55.51	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
C10-01	061-030-01	TO-17	February 5, 2016	R. Gill	T160205_14
C10-02	061-030-02	TO-17	February 5, 2016	R. Gill	T160205_15
C10-03	061-030-03	TO-17	February 5, 2016	R. Gill	T160205_16
C10-04	061-030-04	TO-17	February 5, 2016	R. Gill	T160205_17
C10-05	061-030-05	TO-17	February 5, 2016	R. Gill	T160205_18
C10-06	061-030-06	TO-17	February 5, 2016	R. Gill	T160205_19
C10-07	061-030-07	TO-17	February 5, 2016	R. Gill	T160205_20
C10-08	061-030-08	TO-17	February 5, 2016	R. Gill	T160205_21
C10-09	061-030-09	TO-17	February 5, 2016	R. Gill	T160205_22
C10-10	061-030-10	TO-17	February 5, 2016	R. Gill	T160205_23
C10-11	061-030-11	TO-17	February 5, 2016	R. Gill	T160205_24
C10-12	061-030-12	TO-17	February 5, 2016	R. Gill	T160205_25
C10-13	061-030-13	TO-17	February 5, 2016	R. Gill	T160205_26
C10-14	061-030-14	TO-17	February 5, 2016	R. Gill	T160205_27
C10-15	061-030-15	TO-17	February 5, 2016	R. Gill	T160205_28
C10-16	061-030-16	TO-17	February 5, 2016	R. Gill	T160205_29
C10-17	061-030-17	TO-17	February 5, 2016	R. Gill	T160205_30
C10-18	061-030-18	TO-17	February 5, 2016	R. Gill	T160205_31
C10-19	061-030-19	TO-17	February 5, 2016	R. Gill	T160205_32
C10-20	061-030-20	TO-17	February 5, 2016	R. Gill	T160205_33

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Analytical Information, Continued

Sample No.	Lab Track. No.	Method	Date Analyzed	Analyst	Data File
F10-01	061-030-21	D 5197	February 5, 2016	T.Cheng	160205\160205003.D
F10-02	061-030-22	D 5197	February 5, 2016	T.Cheng	160205\160205004.D
F10-03	061-030-23	D 5197	February 5, 2016	T.Cheng	160205\160205005.D
F10-04	061-030-24	D 5197	February 5, 2016	T.Cheng	160205\160205006.D
F10-05	061-030-25	D 5197	February 5, 2016	T.Cheng	160205\160205007.D
F10-06	061-030-26	D 5197	February 5, 2016	T.Cheng	160205\160205008.D
F10-07	061-030-27	D 5197	February 5, 2016	T.Cheng	160205\160205009.D
C10-08	061-030-28	D 5197	February 5, 2016	T.Cheng	160205\160205010.D
F10-09	061-030-29	D 5197	February 5, 2016	T.Cheng	160205\160205011.D
F10-10	061-030-30	D 5197	February 5, 2016	T.Cheng	160205\160205012.D
F10-11	061-030-31	D 5197	February 5, 2016	T.Cheng	160205\160205013.D
F10-12	061-030-32	D 5197	February 5, 2016	T.Cheng	160205\160205014.D
F10-13	061-030-33	D 5197	February 7, 2016	T.Cheng	160207B\160207005.D
F10-14	061-030-34	D 5197	February 7, 2016	T.Cheng	160207B\160207006.D
F10-15	061-030-35	D 5197	February 7, 2016	T.Cheng	160207B\160207007.D
F10-16	061-030-36	D 5197	February 7, 2016	T.Cheng	160207B\160207008.D
F10-17	061-030-37	D 5197	February 7, 2016	T.Cheng	160207B\160207009.D
F10-18	061-030-38	D 5197	February 7, 2016	T.Cheng	160207B\160207010.D
F10-19	061-030-39	D 5197	February 7, 2016	T.Cheng	160207B\160207011.D
F10-20	061-030-40	D 5197	February 7, 2016	T.Cheng	160207B\160207012.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 5, 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

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)
C10-01	3314	5.520	49.6	9.0	1.9
C10-02	3400	5.837	13.9	2.4	0.5
C10-03	3363	6.100	55.8	9.1	2.0
C10-04	3320	5.514	25.7	4.7	1.0
C10-05	10146	5.640	30.5	5.4	1.2
C10-06	10151	5.815	26.1	4.5	1.0
C10-07	10221	5.498	22.0	4.0	0.9
C10-08	10344	5.326	22.0	4.1	0.9
C10-09	11137	5.808	27.4	4.7	1.0
C10-10	11350	5.413	29.3	5.4	1.2
C10-11	11420	5.710	29.8	5.2	1.1
C10-12	11310	5.518	49.0	8.9	1.9
C10-13	12441	5.591	29.0	5.2	1.1
C10-14	12414	5.549	31.1	5.6	1.2
C10-15	12351	5.729	53.1	9.3	2.0
C10-16	12144	5.588	44.3	7.9	1.7
C10-17	14414	6.506	44.7	6.9	1.5
C10-18	14364	6.315	63.4	10.0	2.2
C10-19	14112	6.000	51.8	8.6	1.9
C10-20	14246	5.737	56.7	9.9	2.1

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

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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)
F10-01	3314	51.05	677	637	12.5	10.2
F10-02	3400	55.47	496	456	8.2	6.7
F10-03	3363	55.15	583	543	9.9	8.0
F10-04	3320	51.33	411	371	7.2	5.9
F10-05	10146	53.73	950	910	16.9	13.8
F10-06	10151	52.37	844	804	15.4	12.5
F10-07	10221	51.97	879	839	16.1	13.2
C10-08	10344	51.00	884	844	16.5	13.5
F10-09	11137	52.95	477	437	8.3	6.7
F10-10	11350	51.56	484	444	8.6	7.0
F10-11	11420	54.92	616	576	10.5	8.5
F10-12	11310	50.56	558	518	10.3	8.4
F10-13	12441	54.14	554	514	9.5	7.7
F10-14	12414	54.16	623	583	10.8	8.8
F10-15	12351	52.94	409	369	7.0	5.7
F10-16	12144	54.21	457	417	7.7	6.3
F10-17	14414	62.65	733	693	11.1	9.0
F10-18	14364	60.38	672	632	10.5	8.5
F10-19	14112	58.09	605	565	9.7	7.9
F10-20	14246	55.51	678	638	11.5	9.4

*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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e-mail: baalab@berkeleyanalytical.com

CHAIN-OF-CUSTODY RECORD
for ANALYTICAL SERVICES
2009 Update

Client Information*			
Company:	US EPA		
Street Address:	75 HAWTHORNE		
City/State/Zip Code:	SF 94105		
Country:	Contact (for reporting): Jeff Woodrow		
Project/Job Name:	IAQ		
Project/Job #:		P.O. #:	
Phone:		Fax:	
E-mail address:			

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

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

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 193231	C10-01	2/3/16	57	5.520	3314	b	Caprolactam
203144	C10-02		61	5.837	3400		
242467	C10-03		62	6.100	3363		
203170	C10-04		57	5.514	3320		
203151	C10-05		59	5.640	10146		
Mi 193224	C10-06		59	5.815	10151		
203184	C10-07		57	5.498	10221		
Mi 193288	C10-08		56	5.326	10344		
203198	C10-09		59	5.808	11137		
203137	C10-10		56	5.413	11350		

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
[illegible]	[redacted]	[illegible]	2/5/16	US EPA
[redacted]	R Gill	[illegible]	2/5/16	BAA

JC061-030

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e-mail: baalab@berkeleyanalytical.com

CHAIN-OF-CUSTODY RECORD for ANALYTICAL SERVICES

2009 Update

Client Information*			
Company:	US EPA		
Street Address:	75 Hawthorne		
City/State/Zip Code:	SF 94105		
Country:		Contact (for reporting):	Jeff Woodle
Project/Job Name:	IAQ 75 Hawthorne		
Project/Job #:		P.O. #:	
Phone:	(415) 972-3740	Fax:	
E-mail address:	woodle.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
242440	C10-11	2/3/16	60	5.710	11420	b	Capro lactam
M193218	C10-12	↓	56	5.518	11310	↓	↓
242442	C10-13	↓	58	5.591	12441	↓	↓
M193227	C10-14	↓	58	5.549	12414	↓	↓
242405	C10-15	↓	58	5.729	12351	↓	↓
M193238	C10-16	↓	58	5.588	12144	↓	↓
242500	C10-17	↓	68	6.506	14414	↓	↓
242476	C10-18	↓	66	6.315	14364	↓	↓
M193234	C10-19	↓	62	6.000	14112	↓	↓
203107	C10-20	↓	60	5.737	14246	↓	↓

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
[illegible]		[illegible]	2/5/16	US EPA
	K. Gill	[illegible]	2/5/16	BKA

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CHAIN-OF-CUSTODY RECORD for ANALYTICAL SERVICES

2009 Update

Client Information*	
Company: US EPA	
Street Address: 75 HAWTHORNE ST	
City/State/Zip Code: SF 94105	
Country:	Contact (for reporting): JEFF WOODLEE
Project/Job Name: IAQ 75 HAWTHORNE	
Project/Job #:	P.O. #:
Phone: (415)972-3740	Fax:
E-mail address: woodlee.jeff@epa.gov	

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

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

Air Sampling Record

Tube/Cartridge Sampler No.	Collected Sample ID	Date Collected	Collection Minutes	Collected Volume (L)	Sample Location / Description / Remarks	Analysis Code	BAA Remarks
·	F10-01	2/3/16	57	51.05	3314	f	
·	F10-02		61	55.47	3400		
·	F10-03		62	55.15	3363		
·	F10-04		57	51.33	3320		
·	F10-05		59	53.73	10146		
·	F10-06		59	52.37	10151		
·	F10-07		57	51.97	10221		
·	F10-08		56	51.00	10344		
·	F10-09		59	52.95	11137		
·	F10-10		56	51.56	11350		

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
[illegible]		[illegible]	2/5/16	USEPA
	RGill	[illegible]	2/5/16	BKA

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CHAIN-OF-CUSTODY RECORD
for ANALYTICAL SERVICES
2009 Update

Client Information*	
Company:	US EPA
Street Address:	75 HAWTHORNE
City/State/Zip Code:	SF 94105
Country:	Contact (for reporting): Jeff Woodlee
Project/Job Name:	FAQ 75 HAWTHORNE
Project/Job #:	P.O. #:
Phone: (415) 972-3740	Fax:
E-mail address:	woodlee.Jeff@epa.gov

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

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

Air Sampling Record

Tube/Cartridge Sampler No.	Collected Sample ID	Date Collected	Collection Minutes	Collected Volume (L)	Sample Location / Description / Remarks	Analysis Code	BAA Remarks
	F10-11	2/3/16	60	54.92	11420	f	
	F10-12		56	50.56	11310		
	F10-13		58	54.14	12441		
	F10-14		58	54.16	12414		
	F10-15		58	52.94	12351		
	F10-16		58	54.21	12144		
	F10-17		68	62.65	14414		
	F10-18		66	60.38	14364		
	F10-19		62	58.09	14112		
	F10-20		60	55.51	14246		

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
			2/5/16	US EPA
	R Hill		2/5/16	BAA

JC061-030

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IH Testing, Invoicing and Report Checklist

Date: 2/8/16

Report ID & Billing Ref:

Test Methd/ Description: (highlite all applicable) TO-17, ASTM D5197

Company: US EPA

Contact Name: Jeff Woodlee

Program: LEED V4

Contact Phone:

Quote #: 160202-1 Date:

Contact Email:

PO #: EP-16-9-000013

Initiator: RGill

Sample IDs: 061-030-01A - 061-030-40A

Notes & Deviations:

Item to Check	Initials	Notes
COC		
Is it clear what test to be performed[1]?	[illegible]	YES / NO :
Log in samples and check the Turnaround of the report	[illegible]	YES / NO :
Scan (to PDF) a copy of the COC form	[illegible]	YES / NO :
Check and confirm that the samples match the COC	[illegible]	YES / NO :
Chemical Analysis		
Analyze sampels by TO-17	[illegible]	YES / NO :
Analyze samples by ASTM D5197	[illegible]	YES / NO : T. Cheng
Report Preparation		
Prepare the draft reprot	[illegible]	YES / NO :
Does the Report match Method and Criteria?	[illegible]	YES / NO : (*check COC, estimate send to customer and the top part of this check list*)
Verify customer information on first page of previewed report (vs. COC or e-mail info)	[illegible]	ATH
Insert in the PDF report: - Raja or AI's signature and check signature date - the scanned COC page at the end of the report	[illegible]	ATH
Print, Optimize and Secure the report	ATH	
E-mail copy of the PDF report to client and other authorized contacts and organizations (enter date sent)	ATH	2/8/2016
Invoicing		
Invoice Matches PO/Quote w/ correct ReportID & Billing Reference	[illegible]	✓
Invoice Number and Date		55591
Date invoice sent to customer and other authorized contacts		2/9/16

HCHO\JC061-030_EPA.XLS
Created 2/8/16, rgill

US EPA
Formaldehyde Analysis
Sequence 160205&160207B
Method FORMALDEHYDE.M

40 Typical cartridge blank

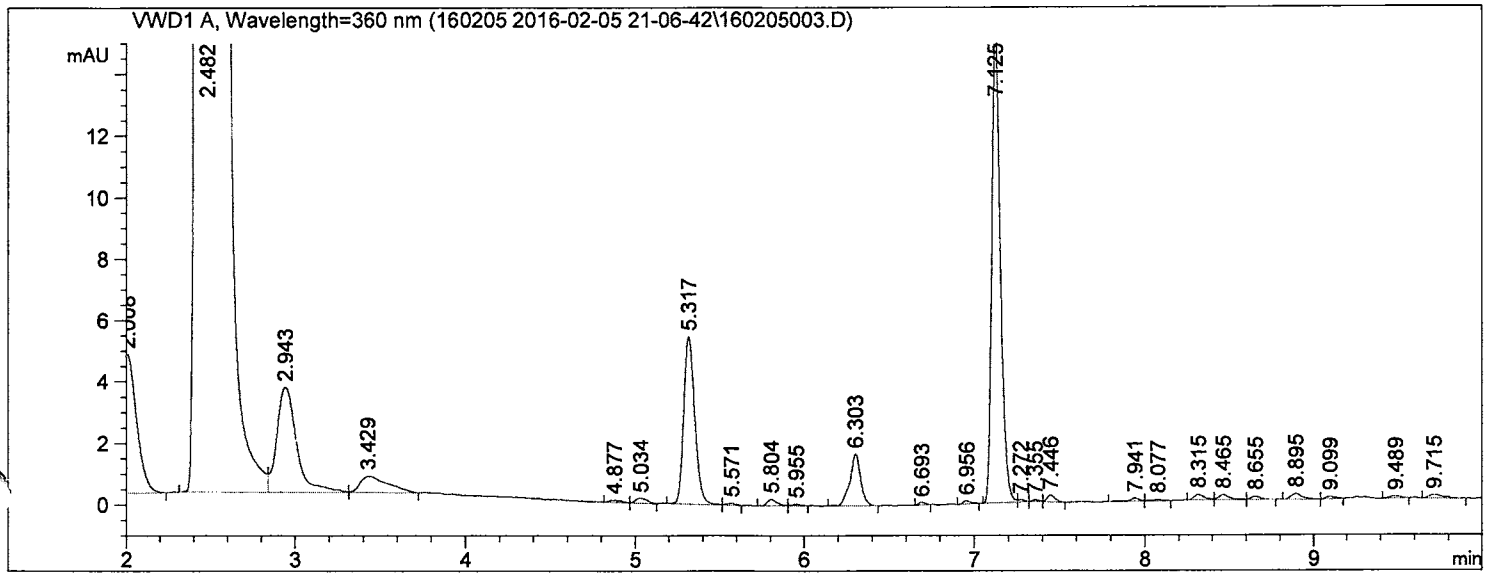
File	Sample ID	Rt min	Meas Conc ng/ul	Meas Mass ng	Mass -Blnk ng	Volume L	Conc ng/L	Conc ppbv
160205\160205003.D	F10-01	5.317		677	637	51.05	12.5	10.2
160205\160205004.D	F10-02	5.320		496	456	55.47	8.2	6.7
160205\160205005.D	F10-03	5.317		583	543	55.15	9.9	8.0
160205\160205006.D	F10-04	5.316		411	371	51.33	7.2	5.9
160205\160205007.D	F10-05	5.320		950	910	53.73	16.9	13.8
160205\160205008.D	F10-06	5.319		844	804	52.37	15.4	12.5
160205\160205009.D	F10-07	5.319		879	839	51.97	16.1	13.2
160205\160205010.D	F10-08	5.320		884	844	51	16.5	13.5
160205\160205011.D	F10-09	5.319		477	437	52.95	8.3	6.7
160205\160205012.D	F10-10	5.319		484	444	51.56	8.6	7.0
160205\160205013.D	F10-11	5.319		616	576	54.92	10.5	8.5
160205\160205014.D	F10-12	5.318		558	518	50.56	10.3	8.4
160207B\160207005.D	F10-13	5.341		554	514	54.14	9.5	7.7
160207B\160207006.D	F10-14	5.320		623	583	54.16	10.8	8.8
160207B\160207007.D	F10-15	5.324		409	369	52.94	7.0	5.7
160207B\160207008.D	F10-16	5.322		457	417	54.21	7.7	6.3
160207B\160207009.D	F10-17	5.323		733	693	62.65	11.1	9.0
160207B\160207010.D	F10-18	5.323		672	632	60.38	10.5	8.5
160207B\160207011.D	F10-19	5.321		605	565	58.09	9.7	7.9
160207B\160207012.D	F10-20	5.321		678	638	55.51	11.5	9.4

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205003.D
Sample Name: 061-030-21

==========

Acq. Operator : SYSTEM
Seq. Line : 2
Acq. Instrument : Agilent 1260
Location : Vial 2
Injection Date : 2/5/2016 9:40:42 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-21; 0203; F10-01 3314; 51.05L



==========

External Standard Report

==========

Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.317	1	BV	24.53152	1.38022e-2	677.17634		Formaldehyde;50-00-0
6.303	1	BB	7.39945	1.81391e-2	268.43870		Acetaldehyde;75-07-0

Totals : 945.61503

==========

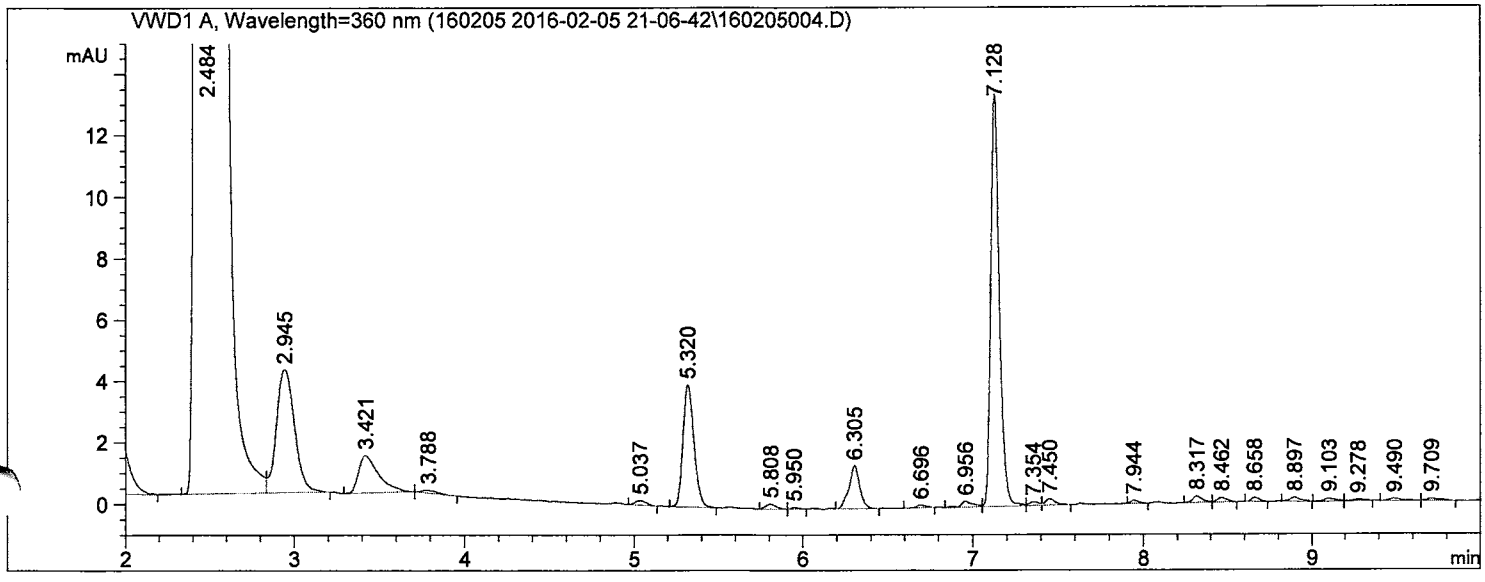
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205004.D
Sample Name: 061-030-22

==========

Acq. Operator : SYSTEM
Seq. Line : 3
Acq. Instrument : Agilent 1260
Location : Vial 3
Injection Date : 2/5/2016 9:57:22 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-22; 0203; F10-02 3400; 55.47L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.320	1	BB	17.95366	1.38022e-2	495.59899		Formaldehyde;50-00-0
6.305	1	BB	6.16892	1.81391e-2	223.79729		Acetaldehyde;75-07-0

Totals : 719.39628

==========

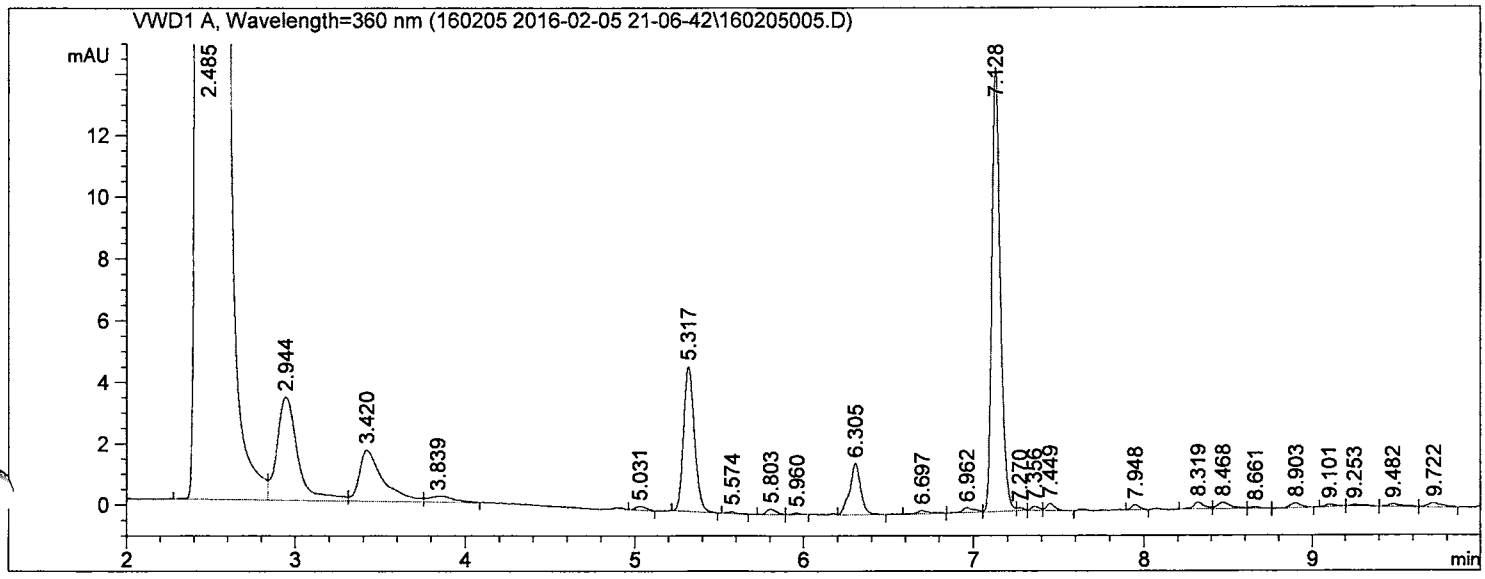
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205005.D
Sample Name: 061-030-23

==========

Acq. Operator : SYSTEM Seq. Line : 4
Acq. Instrument : Agilent 1260 Location : Vial 4
Injection Date : 2/5/2016 10:14:01 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-23; 0203; F10-03 3363; 55.15L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.317	1	BB	21.13722	1.38022e-2	583.47882		Formaldehyde;50-00-0
6.305	1	VB	7.55500	1.81391e-2	274.08165		Acetaldehyde;75-07-0

Totals : 857.56047

==========

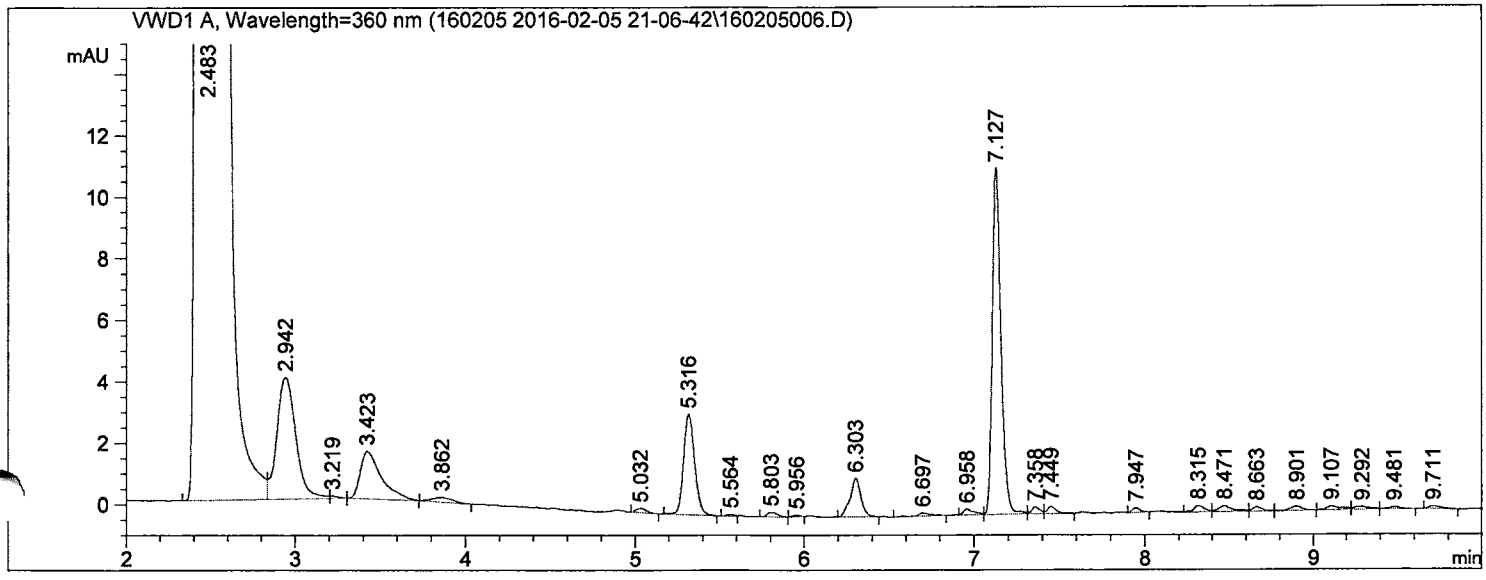
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205006.D
Sample Name: 061-030-24

==========

Acq. Operator : SYSTEM Seq. Line : 5
Acq. Instrument : Agilent 1260 Location : Vial 5
Injection Date : 2/5/2016 10:30:41 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-24; 0203; F10-04 3320; 51.33L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.316	1	BB	14.89717	1.38022e-2	411.22659		Formaldehyde;50-00-0
6.303	1	BB	5.58746	1.81391e-2	202.70318		Acetaldehyde;75-07-0

Totals : 613.92976

==========

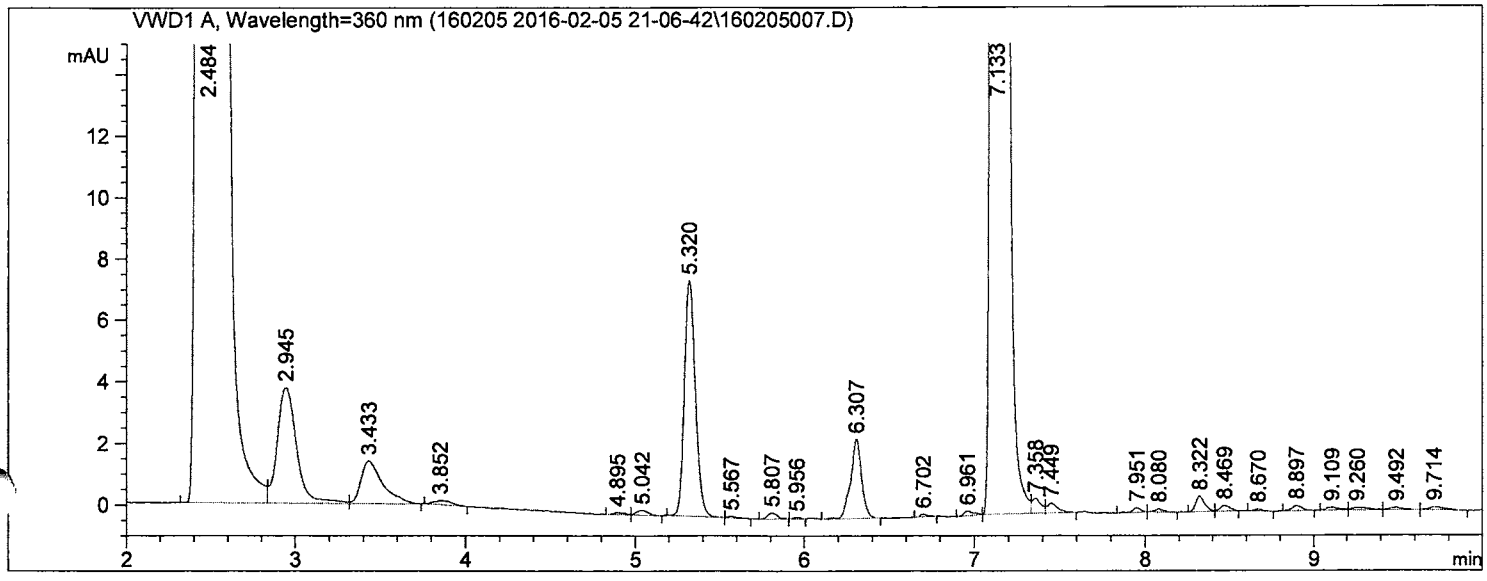
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205007.D
Sample Name: 061-030-25

==========

Acq. Operator : SYSTEM Seq. Line : 6
Acq. Instrument : Agilent 1260 Location : Vial 6
Injection Date : 2/5/2016 10:47:21 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-25; 0203; F10-05 10146; 53.73L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.320	1	BB	34.42107	1.38022e-2	950.17088		Formaldehyde;50-00-0
6.307	1	BB	11.55655	1.81391e-2	419.25089		Acetaldehyde;75-07-0

Totals : 1369.42177

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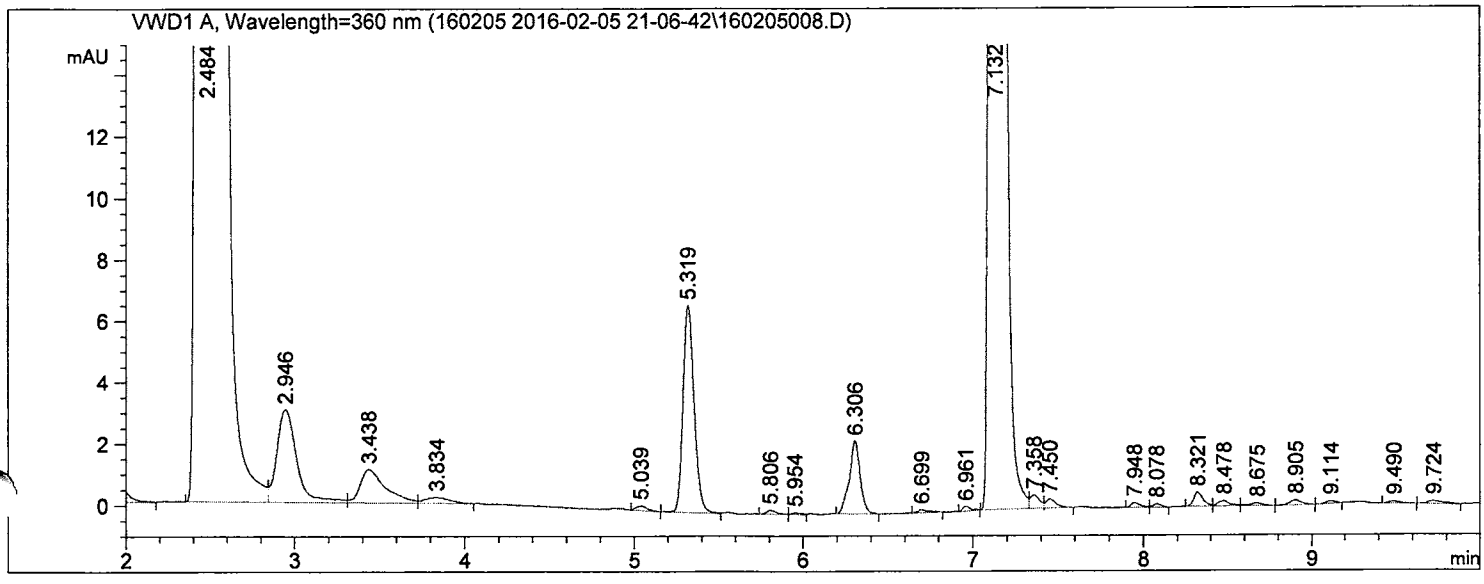
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205008.D
Sample Name: 061-030-26

==========

Acq. Operator : SYSTEM
Seq. Line : 7
Acq. Instrument : Agilent 1260
Location : Vial 7
Injection Date : 2/5/2016 11:04:01 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-26; 0203; F10-06 10151; 52.37L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.319	1	BV	30.57164	1.38022e-2	843.90981		Formaldehyde;50-00-0
6.306	1	BB	10.54052	1.81391e-2	382.39117		Acetaldehyde;75-07-0

Totals : 1226.30098

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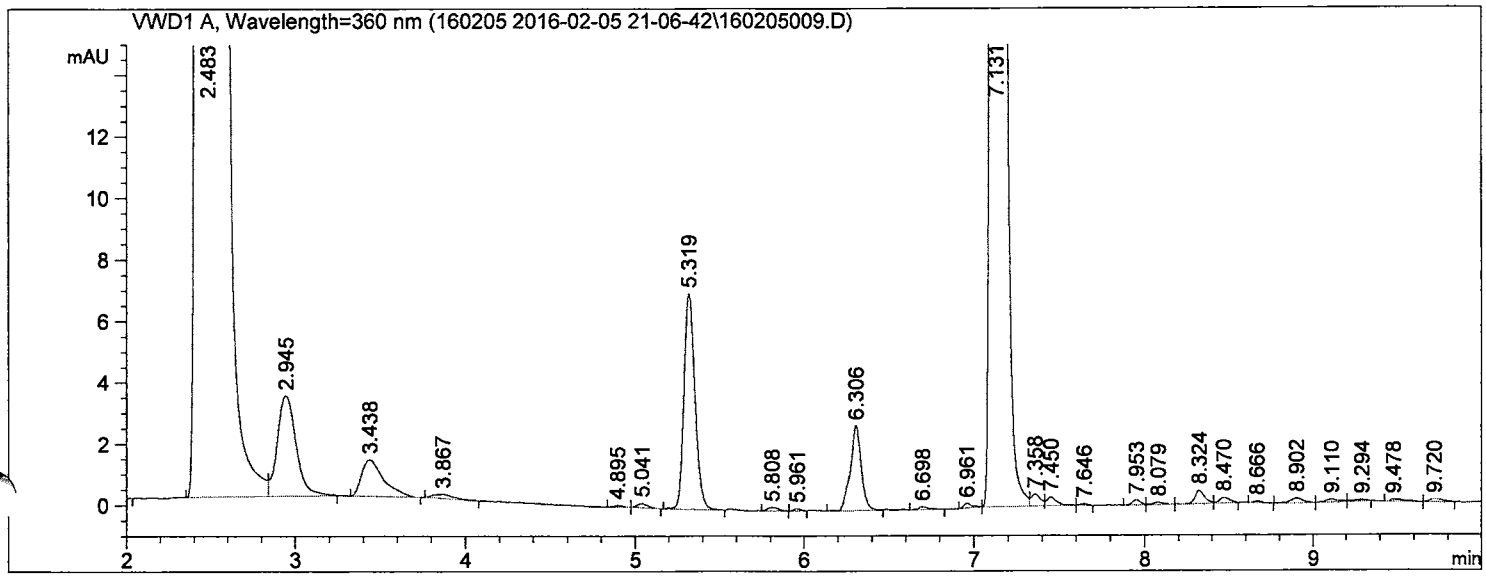
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205009.D
Sample Name: 061-030-27

==========

Acq. Operator : SYSTEM Seq. Line : 8
Acq. Instrument : Agilent 1260 Location : Vial 8
Injection Date : 2/5/2016 11:20:41 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-27; 0203; F10-07 10221; 51.97L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.319	1	BB	31.83566	1.38022e-2	878.80232		Formaldehyde;50-00-0
6.306	1	BV	12.41307	1.81391e-2	450.32392		Acetaldehyde;75-07-0

Totals : 1329.12624

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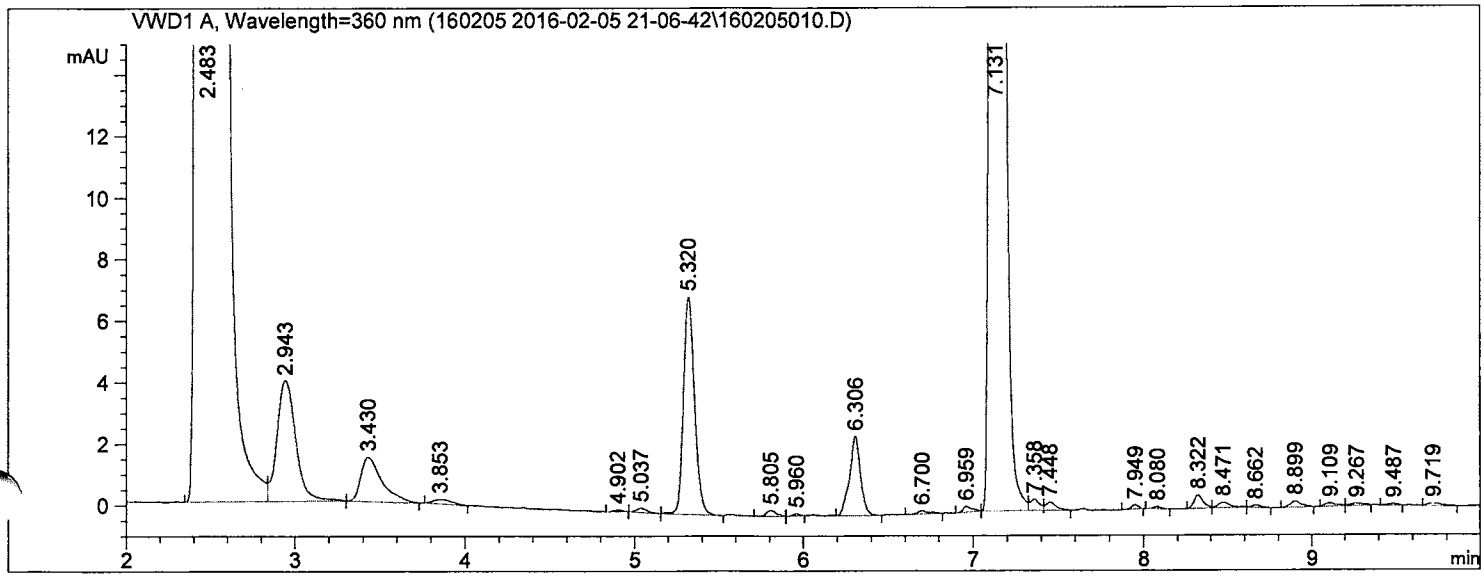
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205010.D
Sample Name: 061-030-28

==========

Acq. Operator : SYSTEM Seq. Line : 9
Acq. Instrument : Agilent 1260 Location : Vial 9
Injection Date : 2/5/2016 11:37:20 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-28; 0203; F10-08 10344; 51L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.320	1	BB	32.02180	1.38022e-2	883.94054		Formaldehyde;50-00-0
6.306	1	BB	11.48123	1.81391e-2	416.51847		Acetaldehyde;75-07-0

Totals : 1300.45902

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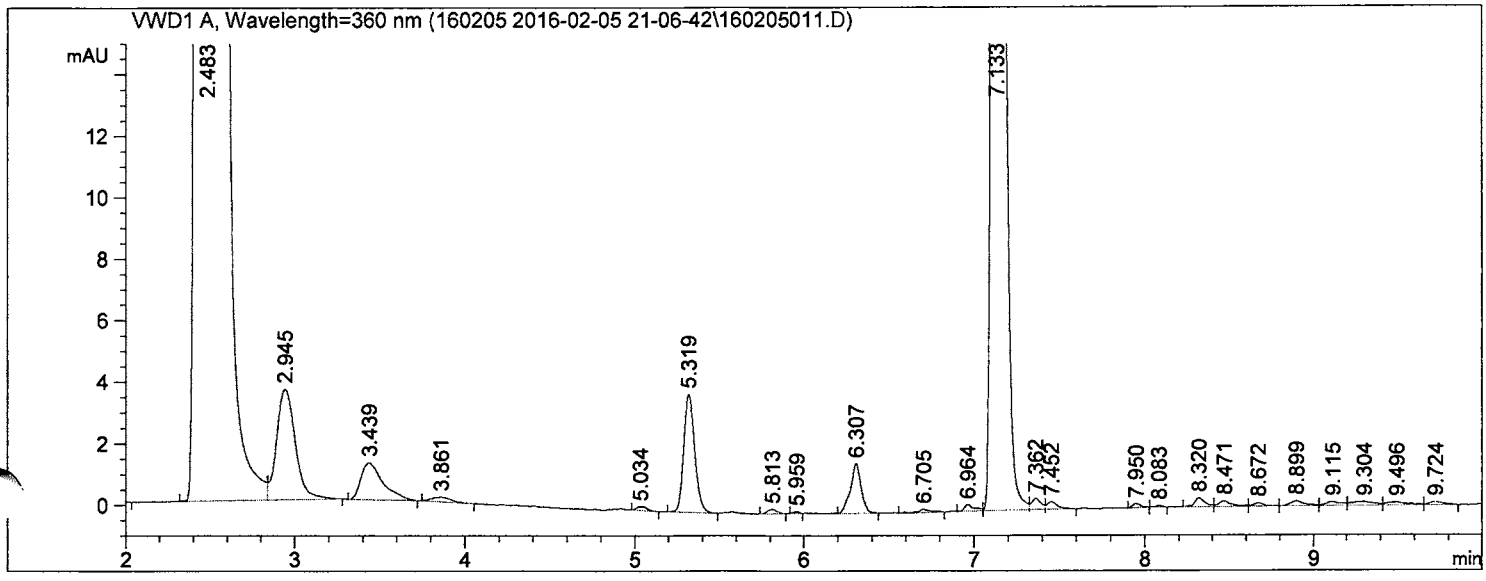
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205011.D
Sample Name: 061-030-29

==========

Acq. Operator : SYSTEM Seq. Line : 10
Acq. Instrument : Agilent 1260 Location : Vial 10
Injection Date : 2/5/2016 11:54:05 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-29; 0203; F10-09 11137; 52.95L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.319	1	BB	17.28374	1.38022e-2	477.10608		Formaldehyde;50-00-0
6.307	1	BB	7.18937	1.81391e-2	260.81733		Acetaldehyde;75-07-0

Totals : 737.92342

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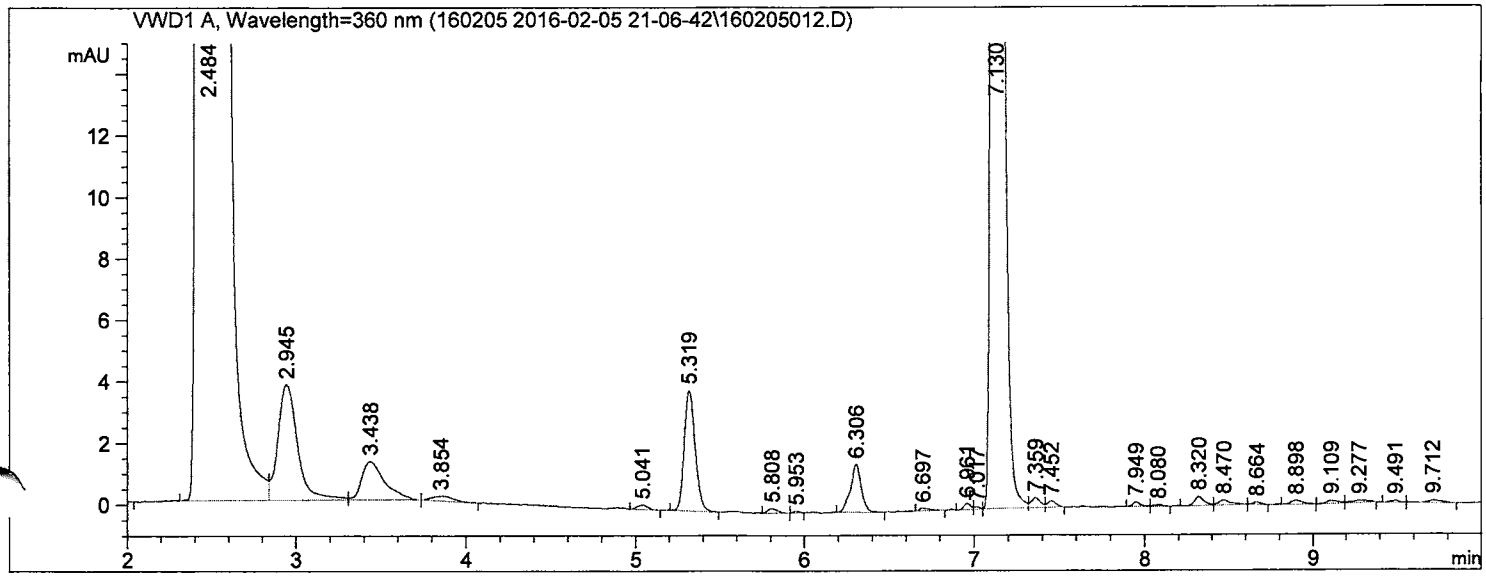
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205012.D
Sample Name: 061-030-30

==========

Acq. Operator : SYSTEM Seq. Line : 11
Acq. Instrument : Agilent 1260 Location : Vial 11
Injection Date : 2/6/2016 12:10:48 AM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-30; 0203; F10-10 11350; 51.56L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.319	1	BB	17.54375	1.38022e-2	484.28358		Formaldehyde;50-00-0
6.306	1	BB	6.86055	1.81391e-2	248.88857		Acetaldehyde;75-07-0

Totals : 733.17215

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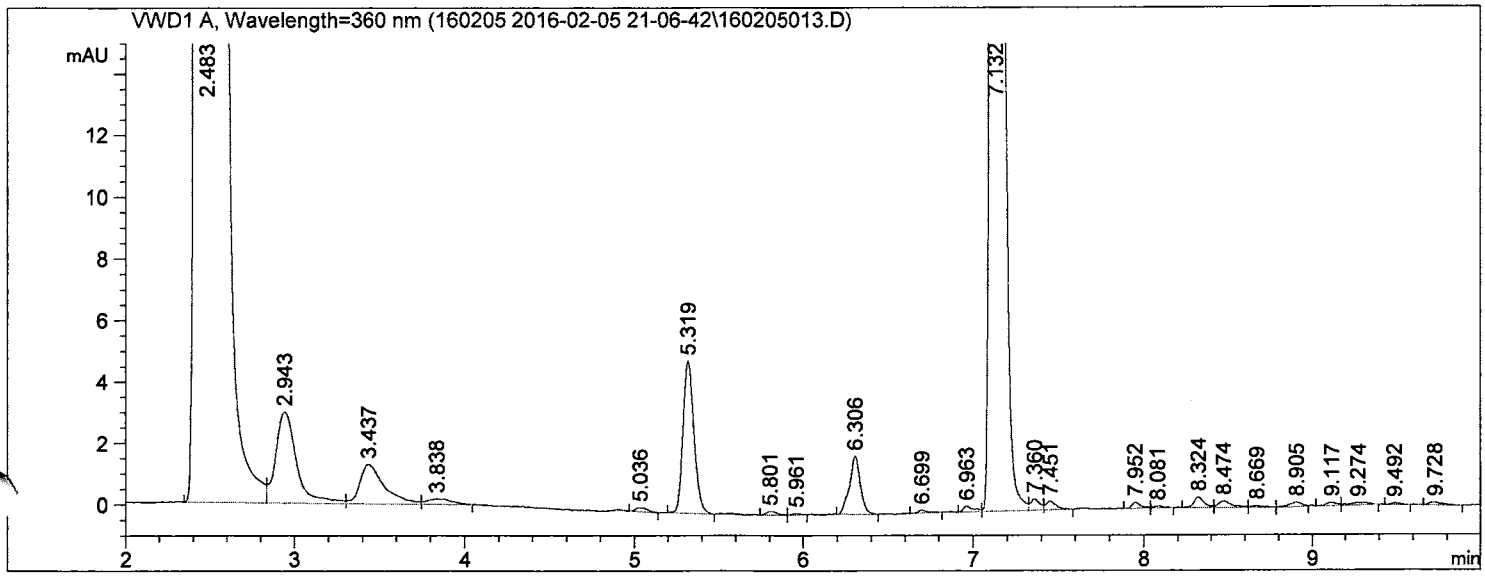
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205013.D
Sample Name: 061-030-31

==========

Acq. Operator : SYSTEM Seq. Line : 12
Acq. Instrument : Agilent 1260 Location : Vial 12
Injection Date : 2/6/2016 12:27:26 AM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-31; 0203; F10-11 11420; 54.92L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.319	1	BB	22.30088	1.38022e-2	615.60109		Formaldehyde;50-00-0
6.306	1	BB	8.38449	1.81391e-2	304.17439		Acetaldehyde;75-07-0

Totals : 919.77549

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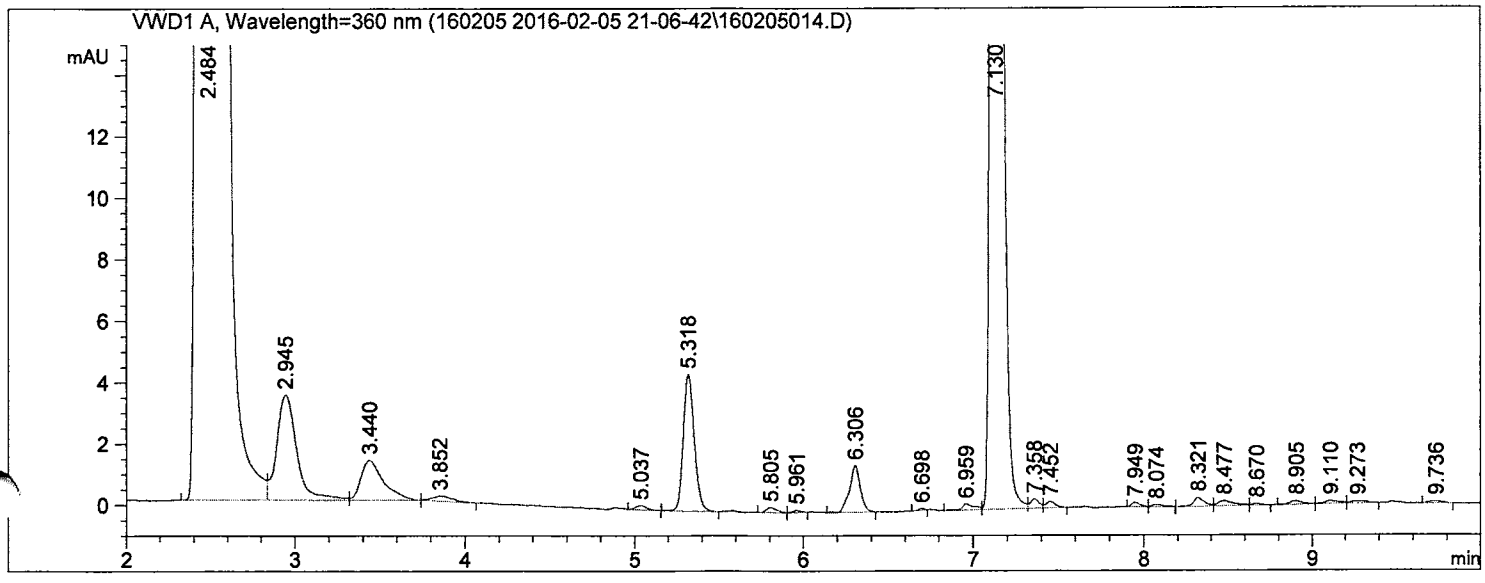
*** End of Report ***

Data File C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\160205014.D
Sample Name: 061-030-32

==========

Acq. Operator : SYSTEM Seq. Line : 13
Acq. Instrument : Agilent 1260 Location : Vial 13
Injection Date : 2/6/2016 12:44:05 AM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160205 2016-02-05 21-06-42\FORMALDEHYDE.M
Last changed : 2/5/2016 9:06:42 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-32; 0203; F10-12 11310; 50.56L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.318	1	BB	20.22464	1.38022e-2	558.28775		Formaldehyde;50-00-0
6.306	1	BB	6.83986	1.81391e-2	248.13782		Acetaldehyde;75-07-0

Totals : 806.42557

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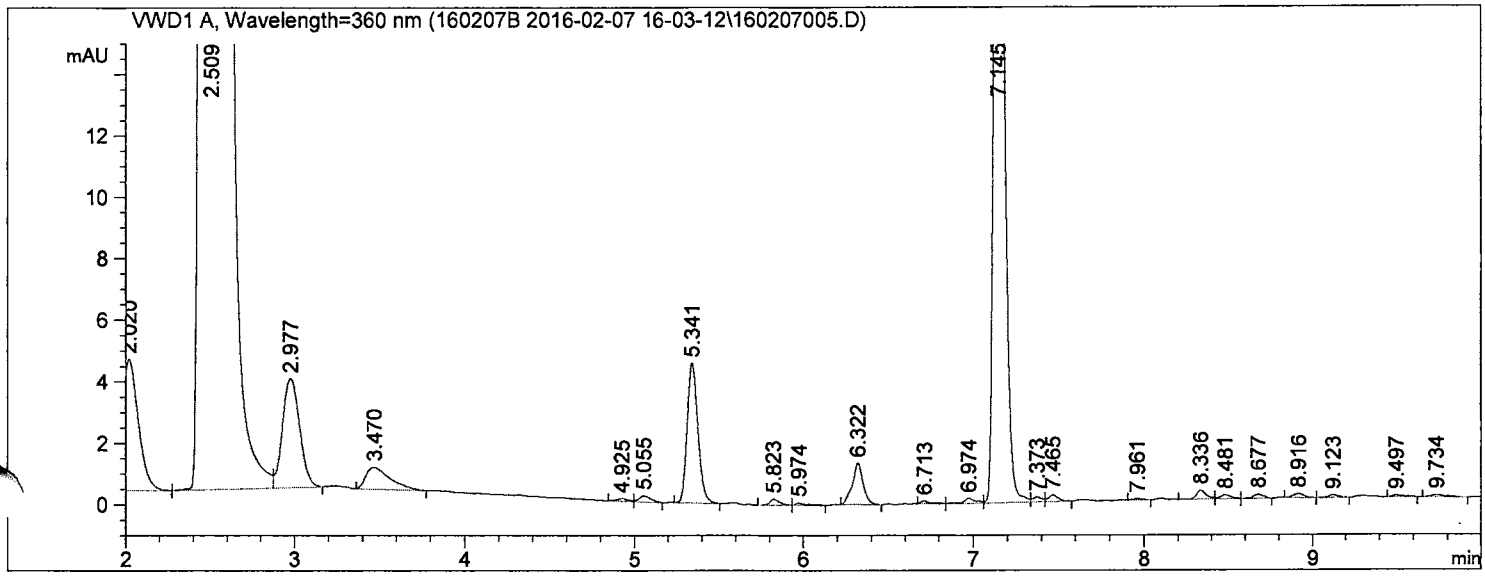
*** End of Report ***

Data File C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\160207005.D
Sample Name: 061-030-33

==========

Acq. Operator : SYSTEM Seq. Line : 1
Acq. Instrument : Agilent 1260 Location : Vial 4
Injection Date : 2/7/2016 4:03:55 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\FORMALDEHYDE.M
Last changed : 2/7/2016 4:03:13 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-33; 0203; F10-13 12441; 54.14L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.341	1	BB	20.05330	1.38022e-2	553.55810		Formaldehyde;50-00-0
6.322	1	BB	5.99242	1.81391e-2	217.39416		Acetaldehyde;75-07-0

Totals : 770.95226

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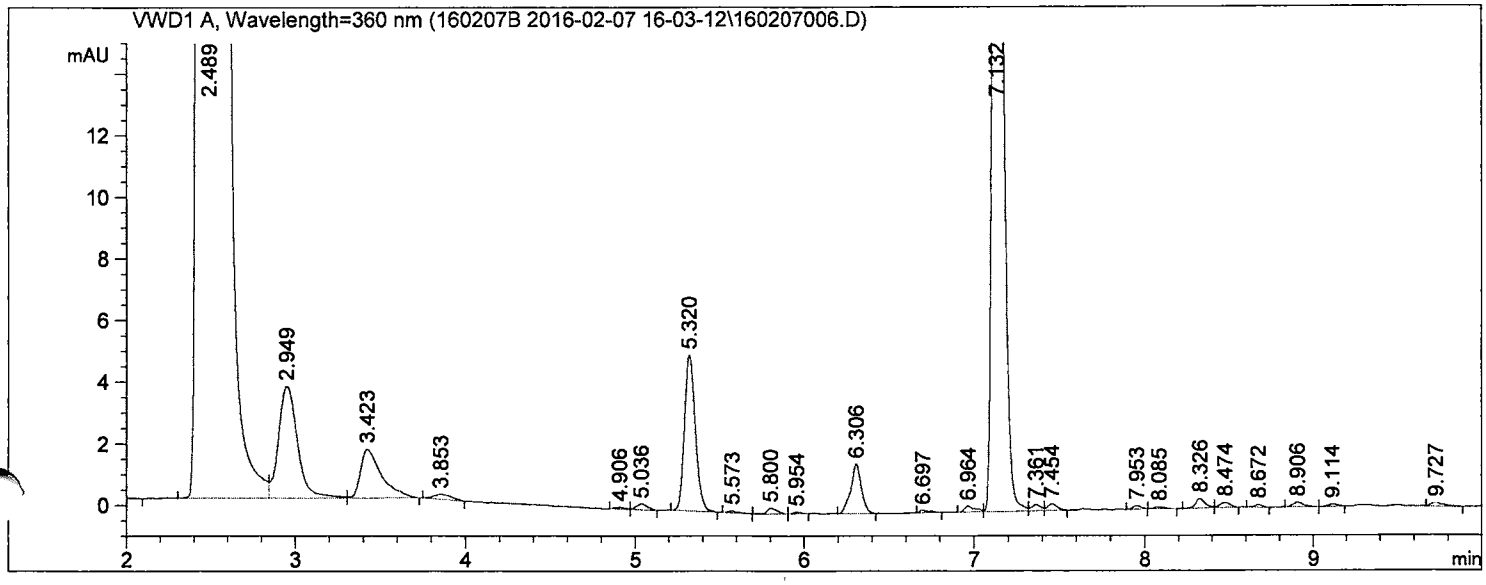
*** End of Report ***

Data File C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\160207006.D
Sample Name: 061-030-34

==========

Acq. Operator : SYSTEM
Seq. Line : 2
Acq. Instrument : Agilent 1260
Location : Vial 5
Injection Date : 2/7/2016 4:20:35 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\FORMALDEHYDE.M
Last changed : 2/7/2016 4:03:13 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-34; 0203; F10-14 12414; 54.16L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.320	1	BB	22.58538	1.38022e-2	623.45443		Formaldehyde;50-00-0
6.306	1	BB	7.05742	1.81391e-2	256.03036		Acetaldehyde;75-07-0

Totals : 879.48479

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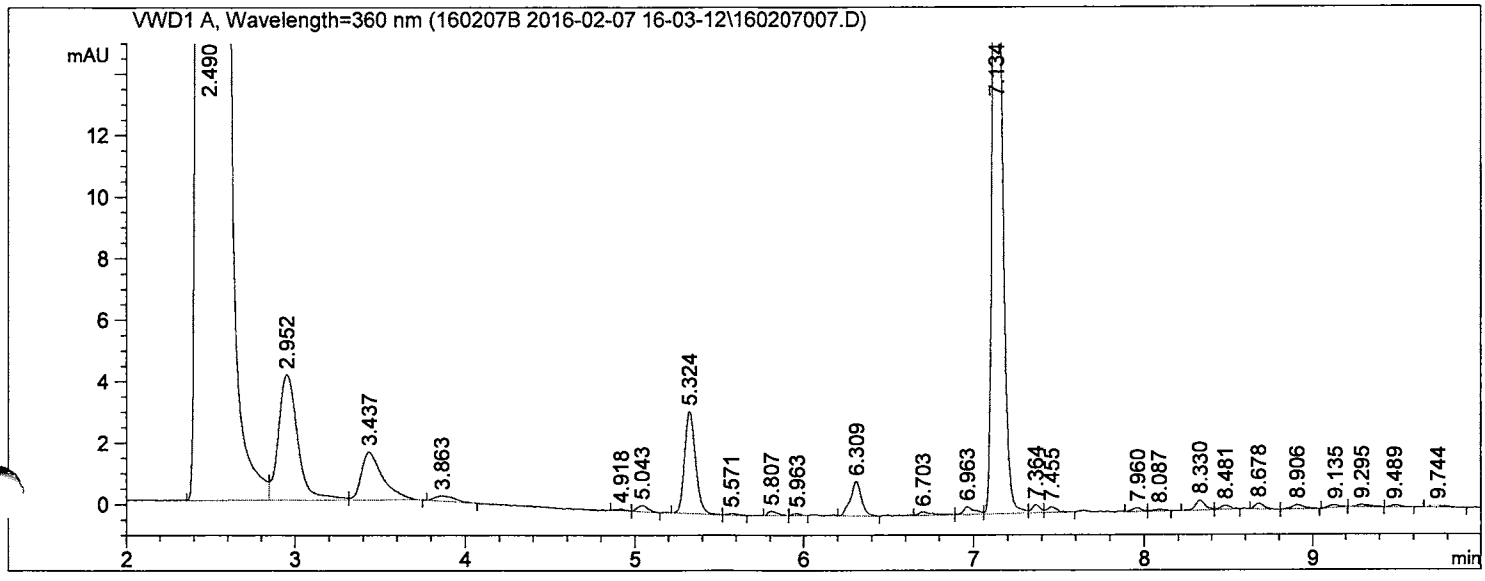
*** End of Report ***

Data File C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\160207007.D
Sample Name: 061-030-35

==========

Acq. Operator : SYSTEM
Seq. Line : 3
Acq. Instrument : Agilent 1260
Location : Vial 6
Injection Date : 2/7/2016 4:37:14 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\FORMALDEHYDE.M
Last changed : 2/7/2016 4:03:13 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-35; 0203; F10-15 12351; 52.94L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.324	1	BB	14.83085	1.38022e-2	409.39565		Formaldehyde;50-00-0
6.309	1	BB	5.06998	1.81391e-2	183.92987		Acetaldehyde;75-07-0

Totals : 593.32551

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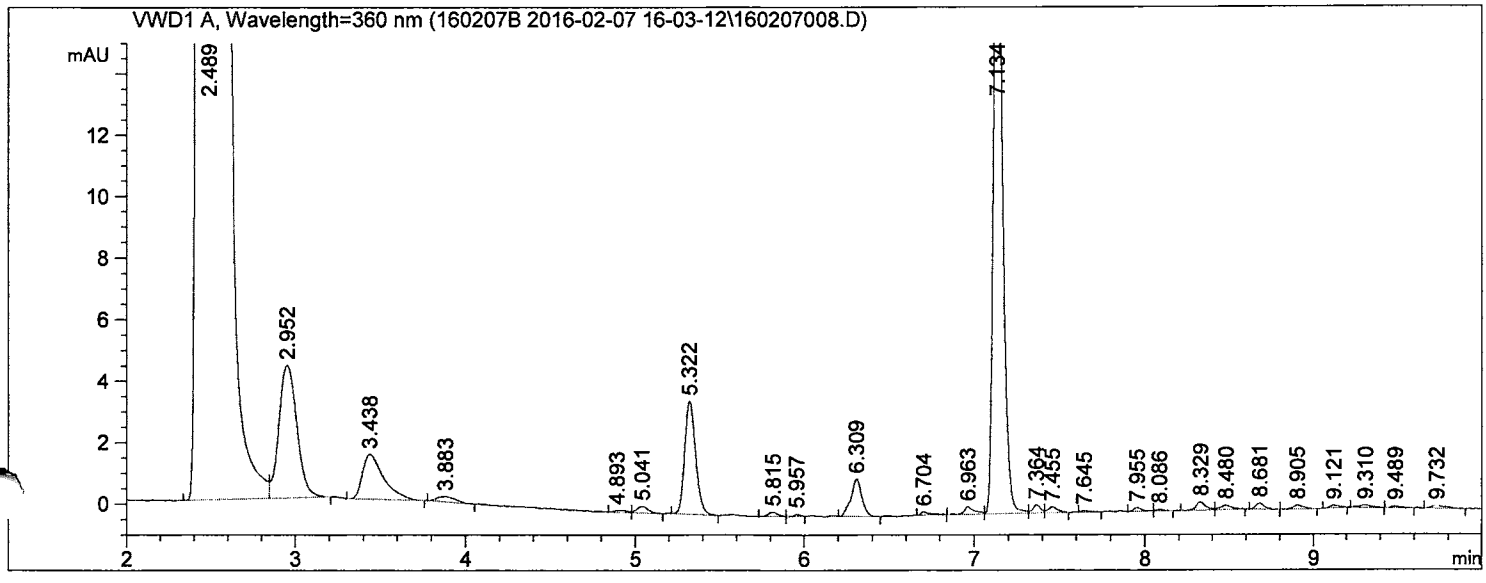
*** End of Report ***

Data File C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\160207008.D
Sample Name: 061-030-36

==========

Acq. Operator : SYSTEM Seq. Line : 4
Acq. Instrument : Agilent 1260 Location : Vial 7
Injection Date : 2/7/2016 4:53:54 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\FORMALDEHYDE.M
Last changed : 2/7/2016 4:03:13 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-36; 0203; F10-16 12144; 54.21L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.322	1	BB	16.54010	1.38022e-2	456.57858		Formaldehyde;50-00-0
6.309	1	BB	5.51894	1.81391e-2	200.21711		Acetaldehyde;75-07-0

Totals : 656.79569

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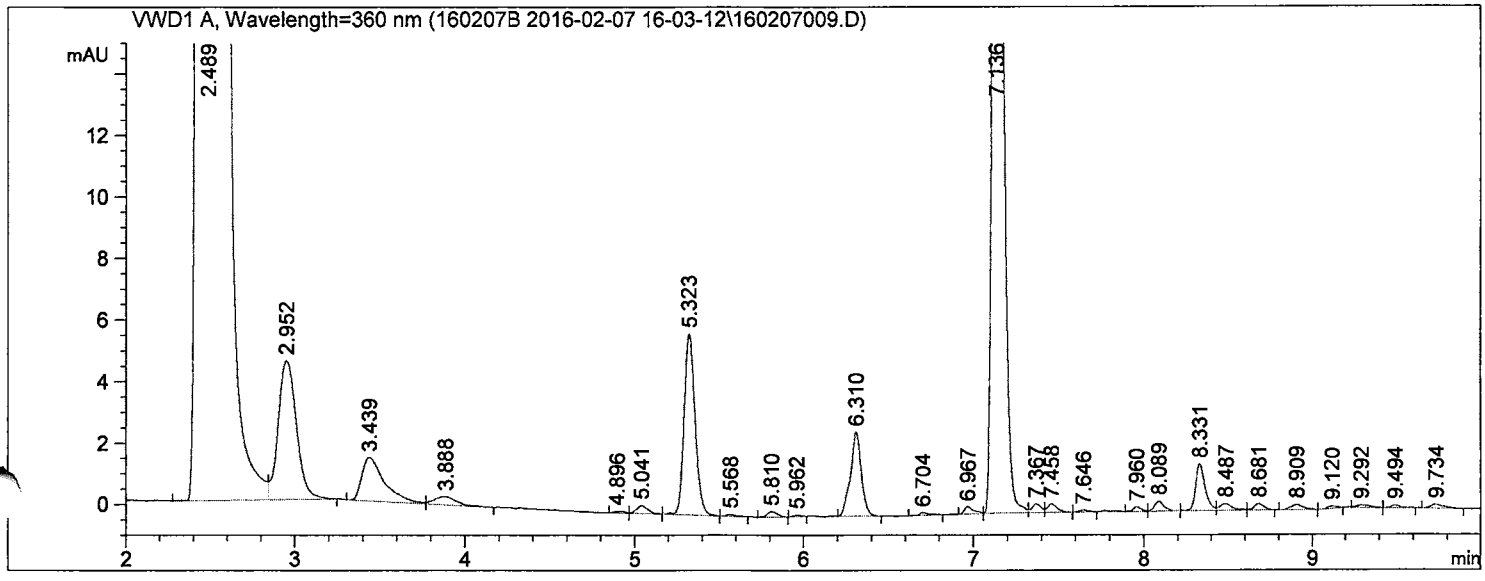
*** End of Report ***

Data File C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\160207009.D
Sample Name: 061-030-37

==========

Acq. Operator : SYSTEM
Seq. Line : 5
Acq. Instrument : Agilent 1260
Location : Vial 8
Injection Date : 2/7/2016 5:10:34 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\FORMALDEHYDE.M
Last changed : 2/7/2016 4:03:13 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-37; 0203; F10-17 14414; 62.65L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.323	1	BB	26.56484	1.38022e-2	733.30482		Formaldehyde;50-00-0
6.310	1	BB	12.13335	1.81391e-2	440.17627		Acetaldehyde;75-07-0

Totals : 1173.48109

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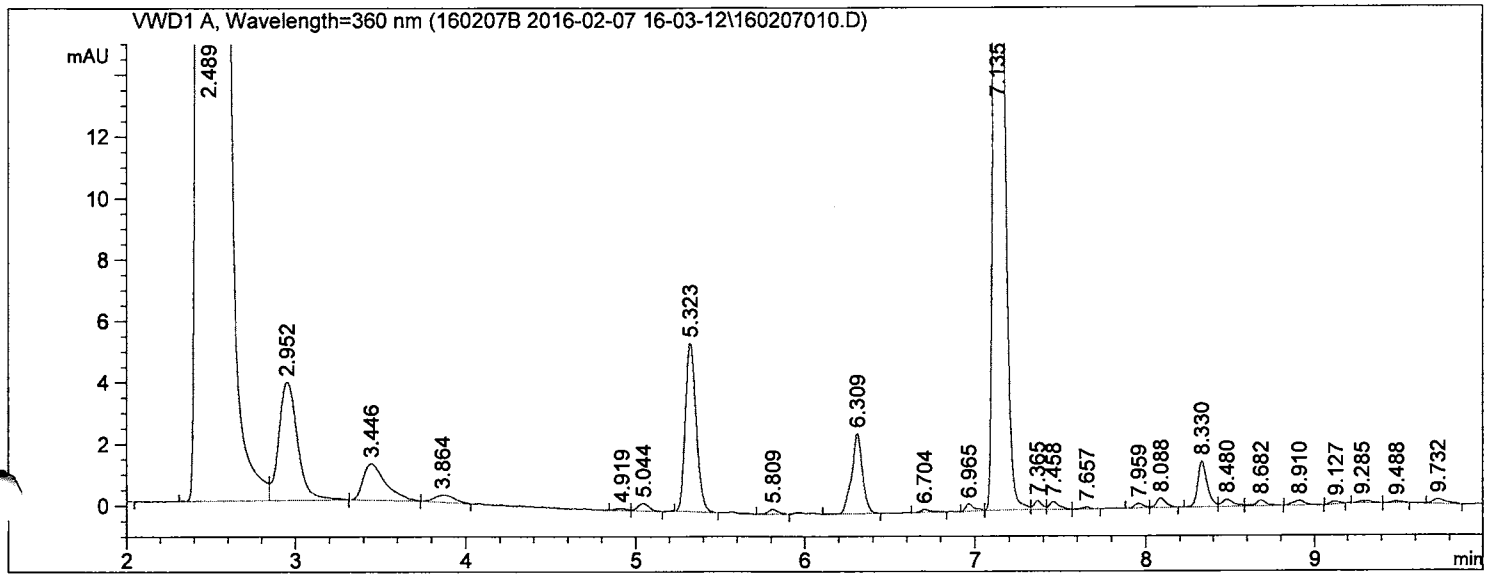
*** End of Report ***

Data File C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\160207010.D
Sample Name: 061-030-38

==========

Acq. Operator : SYSTEM
Seq. Line : 6
Acq. Instrument : Agilent 1260
Location : Vial 9
Injection Date : 2/7/2016 5:27:13 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\FORMALDEHYDE.M
Last changed : 2/7/2016 4:03:13 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-38; 0203; F10-18 14364; 60.38L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.323	1	BB	24.35598	1.38022e-2	672.33059		Formaldehyde;50-00-0
6.309	1	BB	11.62532	1.81391e-2	421.74572		Acetaldehyde;75-07-0

Totals : 1094.07631

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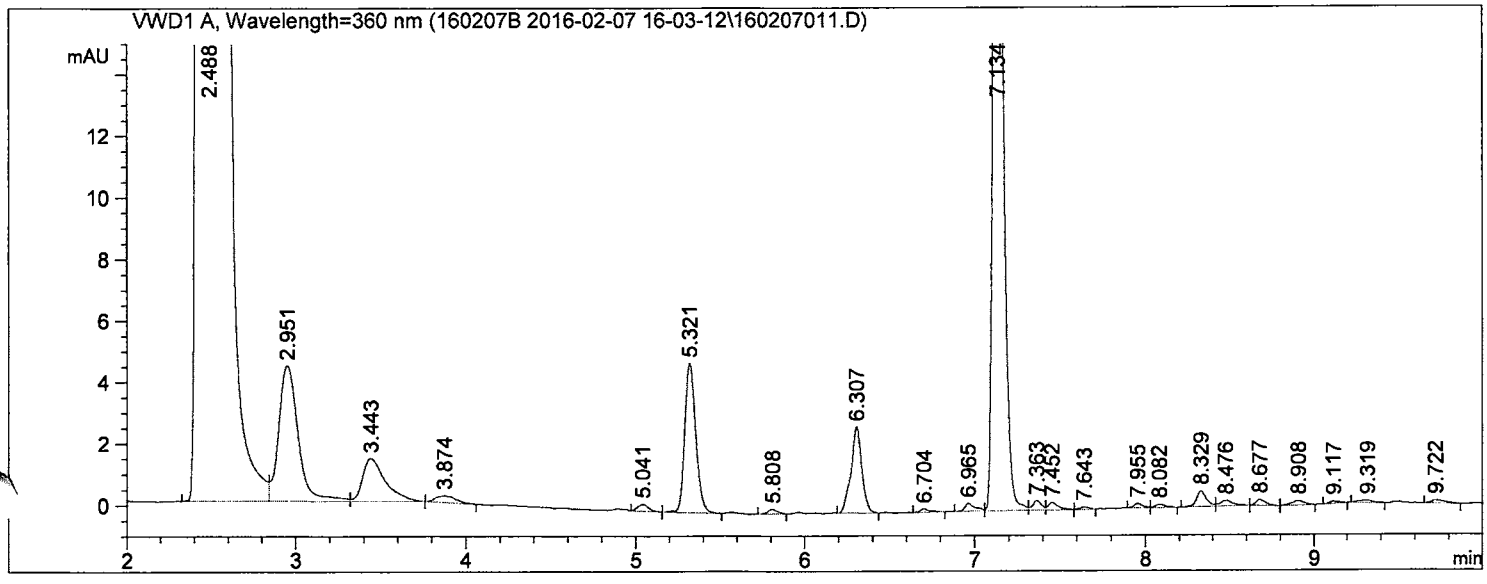
*** End of Report ***

Data File C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\160207011.D
Sample Name: 061-030-39

==========

Acq. Operator : SYSTEM Seq. Line : 7
Acq. Instrument : Agilent 1260 Location : Vial 10
Injection Date : 2/7/2016 5:43:57 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\FORMALDEHYDE.M
Last changed : 2/7/2016 4:03:13 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-39; 0203; F10-19 14112; 58.09L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.321	1	BB	21.93263	1.38022e-2	605.43580		Formaldehyde;50-00-0
6.307	1	BB	12.38446	1.81391e-2	449.28582		Acetaldehyde;75-07-0

Totals : 1054.72162

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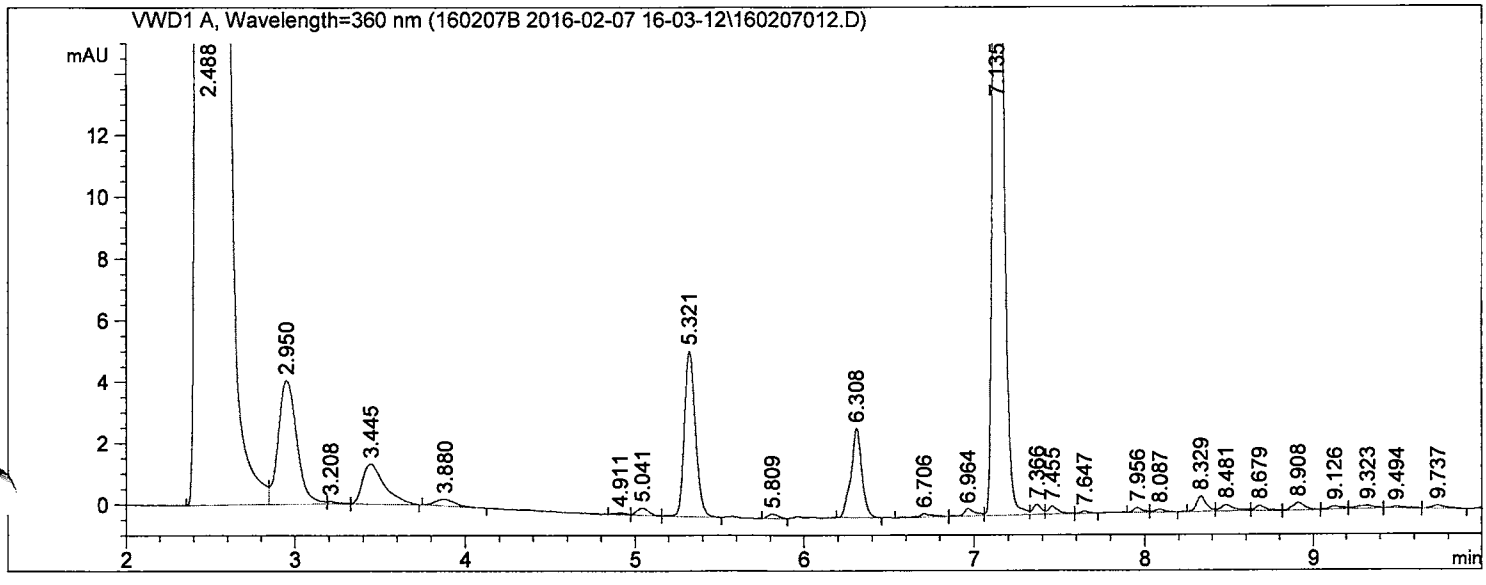
*** End of Report ***

Data File C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\160207012.D
Sample Name: 061-030-40

==========

Acq. Operator : SYSTEM Seq. Line : 8
Acq. Instrument : Agilent 1260 Location : Vial 11
Injection Date : 2/7/2016 6:00:38 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160207B 2016-02-07 16-03-12\FORMALDEHYDE.M
Last changed : 2/7/2016 4:03:13 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDE.M
Last changed : 2/5/2016 12:53:07 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA 061-030-40; 0203; F10-20 14246; 55.51L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 2/4/2016 6:39:30 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
5.321	1	BB	24.56190	1.38022e-2	678.01507		Formaldehyde;50-00-0
6.308	1	BB	12.92081	1.81391e-2	468.74371		Acetaldehyde;75-07-0

Totals : 1146.75878

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*** End of Report ***

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_14.D
Acq On : 5 Feb 2016 10:40 pm
Operator : rgill
Sample : 061-030-01; US EPA; 5.523L
Misc : Mi193231; C10-01-3314; 107ngBFB;10:1 split
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 06 12:55:05 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	636358	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	636358	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	636358	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	636358	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	636358	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	636358	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	76359	49.55 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.	
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.
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 Sat Feb 06 12:55:09 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_15.D
Acq On : 5 Feb 2016 11:26 pm
Operator : rgill
Sample : 061-030-02; US EPA; 5.837L
Misc : 203144; C10-02-3400; 107ngBFB;10:1 split
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 06 12:54:18 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	626120	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	626120	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	626120	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	626120	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	626120	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	626120	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.	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.705	113	21205	13.92 ng	88
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. 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.
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.
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 Sat Feb 06 12:54:22 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_16.D
Acq On : 6 Feb 2016 12:12 am
Operator : rgill
Sample : 061-030-03; US EPA; 6.1L
Misc : 242467; C10-03-3363; 107ngBFB;10:1 split
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 06 12:53:27 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	686441	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.929	95	686441	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.929	95	686441	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.929	95	686441	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.929	95	686441	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.929	95	686441	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.	
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	92619	55.77 ng	97
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.	

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.
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. 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 Sat Feb 06 12:53:30 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_17.D
Acq On : 6 Feb 2016 12:58 am
Operator : rgill
Sample : 061-030-04; US EPA; 5.514L
Misc : 203170; C10-04-3320; 107ngBFB;10:1 split
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 06 12:52:41 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	627442	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	627442	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	627442	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	627442	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	627442	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	627442	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.	
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	39229	25.74 ng	96
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D.	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D.
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D.
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
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 Sat Feb 06 12:52:45 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_18.D
Acq On : 6 Feb 2016 1:44 am
Operator : rgill
Sample : 061-030-05; US EPA; 5.64L
Misc : 203151; C10-05-10146; 107ngBFB;10:1 split
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 06 12:51:54 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	654660	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.929	95	654660	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.929	95	654660	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.929	95	654660	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.929	95	654660	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.929	95	654660	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.	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.700	113	48462	30.49 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. 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. d
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D. d
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D. 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.
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. 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. 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 Sat Feb 06 12:51:57 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_19.D
Acq On : 6 Feb 2016 2:29 am
Operator : rgill
Sample : 061-030-06; US EPA; 5.815L
Misc : Mi193224; C10-06-10151; 107ngBFB;10:1 split
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 06 12:51:05 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	635189	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	635189	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	635189	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	635189	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	635189	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	635189	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.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.695	113	40254	26.09 ng	90
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. 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. d
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D. d
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D. 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.
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. 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. 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 Sat Feb 06 12:51:08 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_20.D
Acq On : 6 Feb 2016 3:15 am
Operator : rgill
Sample : 061-030-07; US EPA; 5.498L
Misc : 203184; C10-07-10221; 107ngBFB;10:1 split
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 06 12:50:13 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...	13.933	95	624592	107.00	ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	624592	107.00	ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	624592	107.00	ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	624592	107.00	ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	624592	107.00	ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	624592	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	23.700	113	33412	22.01	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. 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. d
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D. d
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D. 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.
91)	Benzenemethanol; 100-51-6	0.000	0	N.D.
92)	Propylene carbonate; 1...	0.000	0	N.D. 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. 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 Sat Feb 06 12:50:16 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_21.D
Acq On : 6 Feb 2016 4:01 am
Operator : rgill
Sample : 061-030-08; US EPA; 5.326L
Misc : Mi193288; C10-08-10344; 107ngBFB;10:1 split
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 06 12:49:24 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	691898	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.929	95	691898	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.929	95	691898	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.929	95	691898	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.929	95	691898	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.929	95	691898	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.	
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	37053	22.03 ng	95
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. d	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D. 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. 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. d
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D. d
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D. 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.
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. 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 Sat Feb 06 12:49:28 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_22.D
Acq On : 6 Feb 2016 4:47 am
Operator : rgill
Sample : 061-030-09; US EPA; 5.808L
Misc : 203198; C10-09-11137; 107ngBFB;10:1 split
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 06 12:48:34 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	671644	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.929	95	671644	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.929	95	671644	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.929	95	671644	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.929	95	671644	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.929	95	671644	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	44629	27.36 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 Sat Feb 06 12:48:38 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_23.D
Acq On : 6 Feb 2016 5:33 am
Operator : rgill
Sample : 061-030-10; US EPA; 5.413L
Misc : 203137; C10-10-11350; 107ngBFB;10:1 split
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 06 12:47:48 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	664102	107.00	ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	664102	107.00	ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	664102	107.00	ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	664102	107.00	ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	664102	107.00	ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	664102	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	47241	29.30	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. 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. 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 Sat Feb 06 12:47:51 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_24.D
Acq On : 6 Feb 2016 6:19 am
Operator : rgill
Sample : 061-030-11; US EPA; 5.71L
Misc : 242440; C10-11-11420; 107ngBFB;10:1 split
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 06 12:47:02 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	704845	107.00 ng	# 0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	704845	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	704845	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	704845	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	704845	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	704845	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	50908	29.75 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. 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.
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 Sat Feb 06 12:47:06 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_25.D
Acq On : 6 Feb 2016 7:05 am
Operator : rgill
Sample : 061-030-12; US EPA; 5.518L
Misc : Mi193218; C10-12-11310; 107ngBFB;10:1 split
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 06 12:46:17 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...	13.929	95	674442	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.929	95	674442	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.929	95	674442	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.929	95	674442	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.929	95	674442	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.929	95	674442	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.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.690	113	79979	48.97 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.	

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. 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 Sat Feb 06 12:46:20 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_26.D
Acq On : 6 Feb 2016 7:50 am
Operator : rgill
Sample : 061-030-13; US EPA; 5.591L
Misc : 242442; C10-13-12441; 107ngBFB;10:1 split
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 06 12:45:28 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	705471	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	705471	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	705471	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	705471	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	705471	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	705471	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.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.695	113	49622	28.97 ng	95
23) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
24) Ethylene glycol; 107-21-1	0.000		0	N.D.	
25) Butyl acetate; 123-86-4	0.000		0	N.D. d	
26) Propylene glycol; 57-55-6	0.000		0	N.D. d	
27) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
28) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
29) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
30) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
31) Dodecanol; 112-53-8	0.000		0	N.D. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. 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.
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 Sat Feb 06 12:45:31 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_27.D
Acq On : 6 Feb 2016 8:36 am
Operator : rgill
Sample : 061-030-14; US EPA; 5.549L
Misc : Mi193227; C10-14-12414; 107ngBFB;10:1 split
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Feb 06 12:44:39 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	669537	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	669537	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	669537	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	669537	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	669537	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	669537	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.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.695	113	50542	31.10 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. d	
32) Butylated hydroxytolue...	0.000		0	N.D.	
34) n-Pentane; 109-66-0	0.000		0	N.D. d	
35) Ethanol; 64-17-5	0.000		0	N.D. d	
36) 2-Propanone(acetone); ...	0.000		0	N.D. d	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. d	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D. d
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D. d
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D. 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.
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. 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 Sat Feb 06 12:44:42 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_28.D
Acq On : 6 Feb 2016 9:22 am
Operator : rgill
Sample : 061-030-15; US EPA; 5.729L
Misc : 242405; C10-15-12351; 107ngBFB;10:1 split
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Feb 06 12:42:37 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	726938	107.00 ng	# 0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	726938	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	726938	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	726938	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	726938	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	726938	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.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.690	113	93377	53.07 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.	

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.
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 Sat Feb 06 12:42:40 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_29.D
Acq On : 6 Feb 2016 10:08 am
Operator : rgill
Sample : 061-030-16; US EPA; 5.588L
Misc : Mi193238; C10-16-12441; 107ngBFB;10:1 split
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Feb 06 12:41:45 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...	13.928	95	653187	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	653187	107.00 ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	653187	107.00 ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	653187	107.00 ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	653187	107.00 ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	653187	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.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.690	113	70146	44.32 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. 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.
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. 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 Sat Feb 06 12:41:48 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_30.D
Acq On : 6 Feb 2016 10:53 am
Operator : rgill
Sample : 061-030-17; US EPA; 6.506L
Misc : 242500; C10-17-14414; 107ngBFB;10:1 split
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Feb 06 12:40:50 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	706030	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	706030	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	706030	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	706030	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	706030	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	706030	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	76444	44.68 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. 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. d	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D. d	
41) Vinyl acetate; 108-05-4	0.000		0	N.D. d	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Cyclohexane; 110-82-7	0.000		0	N.D. d	

45)	Benzene; 71-43-2	0.000	0	N.D. d
46)	2-Methyl-1-propanol; 7...	0.000	0	N.D. d
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D. d
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D. 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.
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 Sat Feb 06 12:40:54 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_31.D
Acq On : 6 Feb 2016 11:40 am
Operator : rgill
Sample : 061-030-18; US EPA; 6.315L
Misc : 242476; C10-18-242476; 107ngBFB;10:1 split
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Feb 06 12:39:58 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	710448	107.00	ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	710448	107.00	ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	710448	107.00	ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	710448	107.00	ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	710448	107.00	ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	710448	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	23.690	113	108807	63.37	ng	97
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)	3-Methyl-1-propanol; 7...	0.000	0	N.D. d
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D. d
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D. 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.
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 Sat Feb 06 12:40:02 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_32.D
Acq On : 6 Feb 2016 12:26 pm
Operator : rgill
Sample : 061-030-19; US EPA; 6.0L
Misc : Mi193234; C10-19-14112; 107ngBFB;10:1 split
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Feb 06 12:56:18 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	666951	107.00	ng	0.00
22) 1-Bromo-4-flourobenzen...	13.928	95	666951	107.00	ng	#-0.01
33) 1-Bromo-4-flourobenzen...	13.928	95	666951	107.00	ng	#-0.01
50) 1-Bromo-4-flourobenzen...	13.928	95	666951	107.00	ng	#-0.01
60) 1-Bromo-4-flourobenzen...	13.928	95	666951	107.00	ng	#-0.01
82) 1-Bromo-4-flourobenzen...	13.928	95	666951	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.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.690	113	83579	51.77 ng	97
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.
47)	1-Butanol; 71-36-3	0.000	0	N.D. d
48)	1,4-Dioxane; 123-91-1	0.000	0	N.D.
49)	Epichlorohydrin; 106-89-8	0.000	0	N.D. d
51)	n-Butanal;123-72-8	0.000	0	N.D.
52)	Pentanal; 110-62-3	0.000	0	N.D. d
53)	4-Methyl-2-pentanone; ...	0.000	0	N.D. d
54)	Hexanal; 66-25-1	0.000	0	N.D. d
55)	2-Furancarboxaldehyde;...	0.000	0	N.D.
56)	4-Heptanone; 123-19-3	0.000	0	N.D. d
57)	2-Heptanone; 110-43-0	0.000	0	N.D. d
58)	Heptanal; 111-71-7	0.000	0	N.D.
59)	Benzaldehyde; 100-52-7	0.000	0	N.D. d
61)	Octane; 111-65-9	0.000	0	N.D. d
62)	n-Nonane; 111-84-2	0.000	0	N.D. d
63)	alpha-Pinene; 7785-70-8	0.000	0	N.D. d
64)	Cyclohexanone; 108-94-1	0.000	0	N.D. d
65)	Camphene; 5794-03-6	0.000	0	N.D. d
66)	beta-Pinene; 19902-08-0	0.000	0	N.D.
67)	n-Decane; 124-18-5	0.000	0	N.D. d
68)	.alpha.-Methylstyrene;...	0.000	0	N.D.
69)	3-Carene; 13466-78-9	0.000	0	N.D.
70)	d-Limonene; 5989-27-5	0.000	0	N.D. d
71)	p-Cymene; 99-87-6	0.000	0	N.D. 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.
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 Sat Feb 06 12:56:21 2016

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\Feb\
Data File : T160205_33.D
Acq On : 6 Feb 2016 1:11 pm
Operator : rgill
Sample : 061-030-20; US EPA; 5.737L
Misc : 203107; C10-20-14246; 107ngBFB;10:1 split
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Feb 08 10:45:42 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

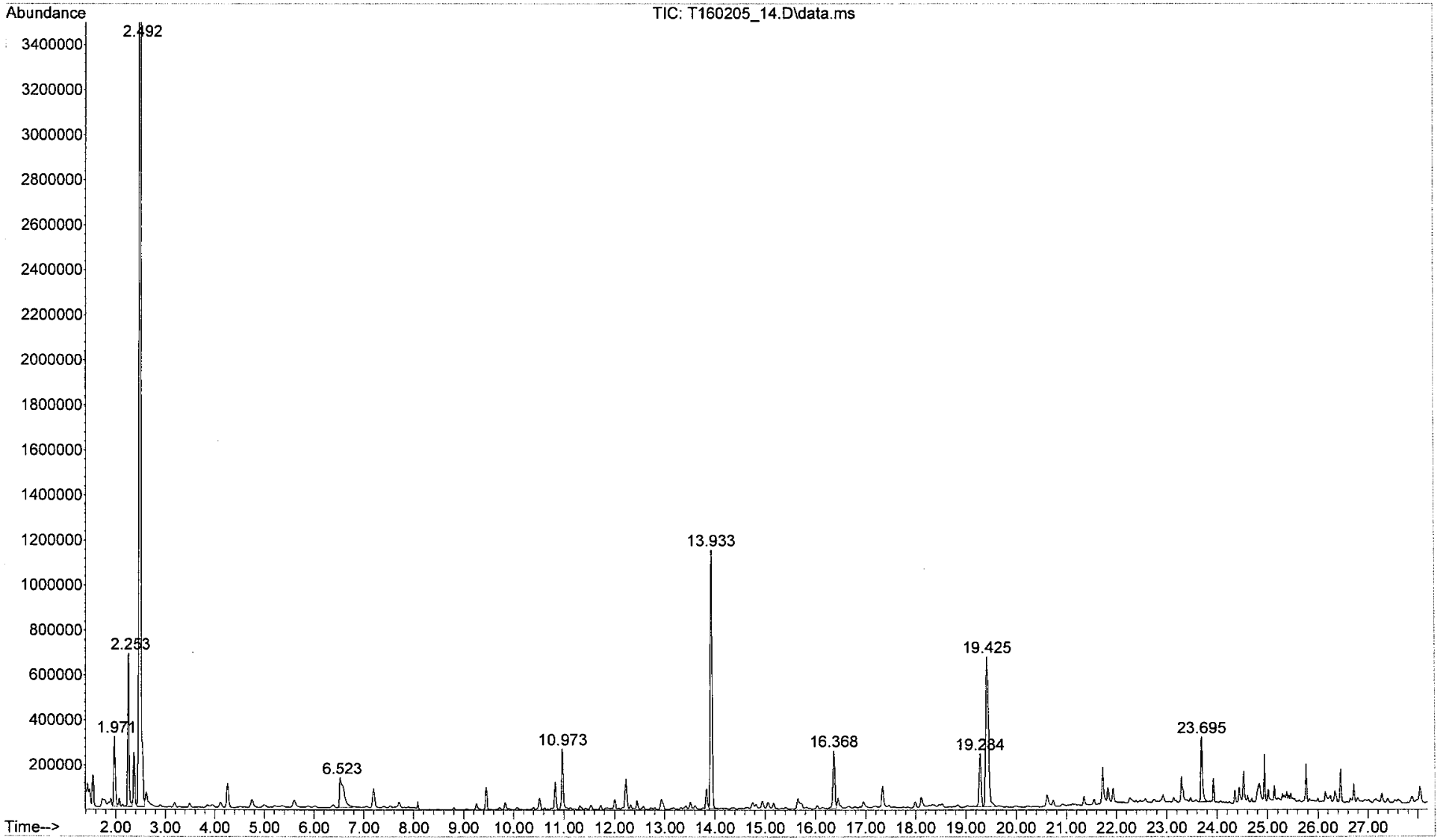
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	652939	107.00 ng	0.00
22) 1-Bromo-4-flourobenzen...	13.933	95	652939	107.00 ng	# 0.00
33) 1-Bromo-4-flourobenzen...	13.933	95	652939	107.00 ng	# 0.00
50) 1-Bromo-4-flourobenzen...	13.933	95	652939	107.00 ng	# 0.00
60) 1-Bromo-4-flourobenzen...	13.933	95	652939	107.00 ng	# 0.00
82) 1-Bromo-4-flourobenzen...	13.933	95	652939	107.00 ng	# 0.00
Target Compounds					Qvalue
2) Trichloroethene;79-01-6	0.000		0	N.D.	
3) Methyl methacrylate; 8...	0.000		0	N.D.	
4) Toluene; 108-88-3	0.000		0	N.D. d	
5) Tetrachloroethene; 127...	0.000		0	N.D.	
6) N,N-Dimethylformamide;...	0.000		0	N.D.	
7) Ethylbenzene; 100-41-4	0.000		0	N.D. d	
8) Xylene {1}; 108-38-3	0.000		0	N.D. d	
9) Xylene {2}; 95-47-6	0.000		0	N.D. d	
10) Xylene - TOTAL; 1330-20-7	0.000		0	N.D.	
11) Styrene; 100-42-5	0.000		0	N.D. d	
12) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
13) Octanal; 124-13-0	0.000		0	N.D. d	
14) Phenol; 108-95-2	0.000		0	N.D. d	
15) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
16) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
17) Nonanal; 124-19-6	0.000		0	N.D. d	
18) 2-Ethylhexanoic acid; ...	0.000		0	N.D. d	
19) Naphthalene; 91-20-3	0.000		0	N.D.	
20) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
21) Caprolactam; 105-60-2	23.690	113	89513	56.67 ng	97
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.
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. 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. 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. 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

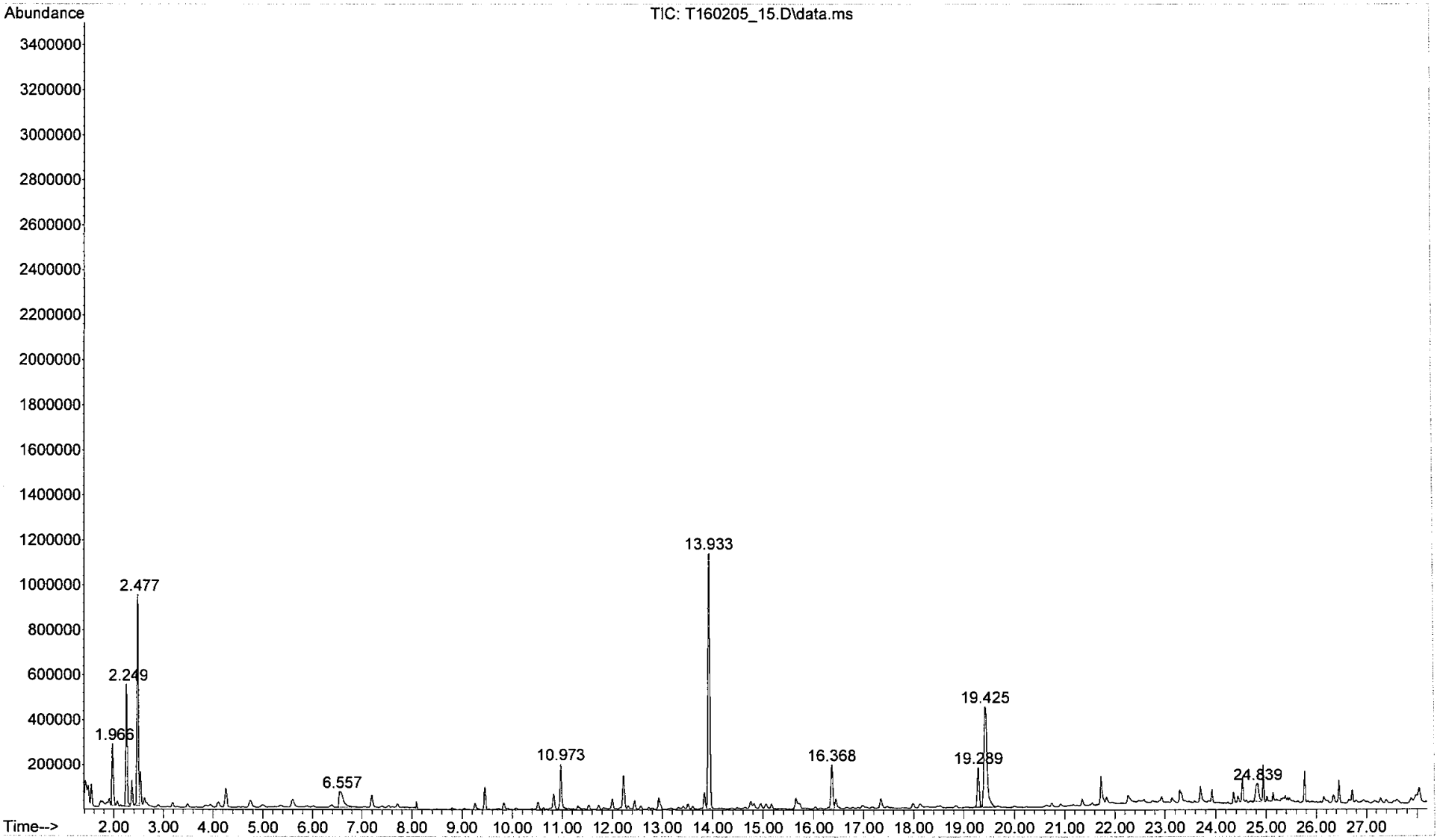
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Desorb_Merged_2015.M Mon Feb 08 10:45:45 2016

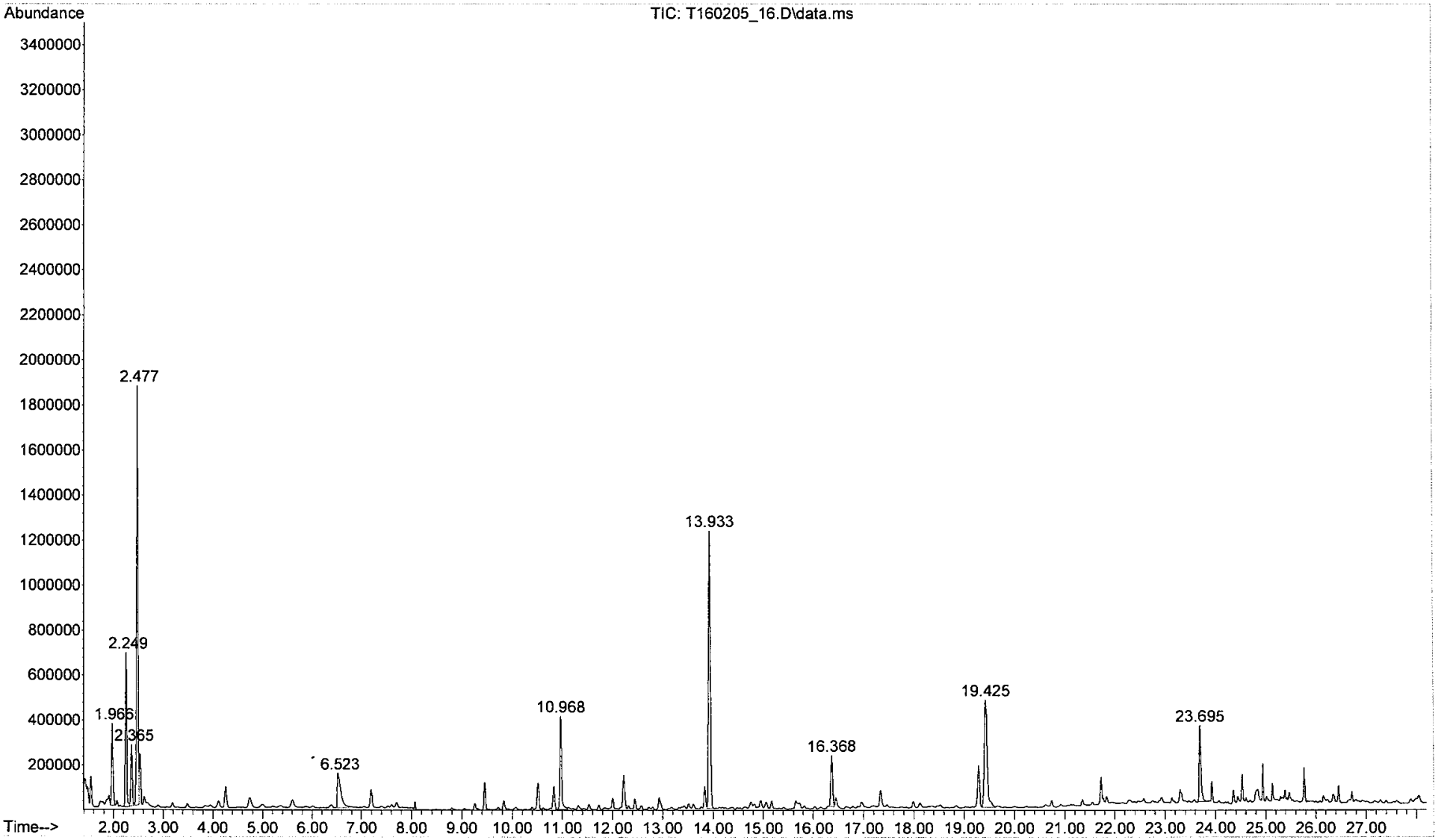
File :C:\msdchem\1\data\2016\Feb\T160205_14.D
Operator : rgill
Acquired : 5 Feb 2016 10:40 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-01; US EPA; 5.523L
Misc Info : Mi193231; C10-01-3314; 107ngBFB;10:1 split
Vial Number: 14



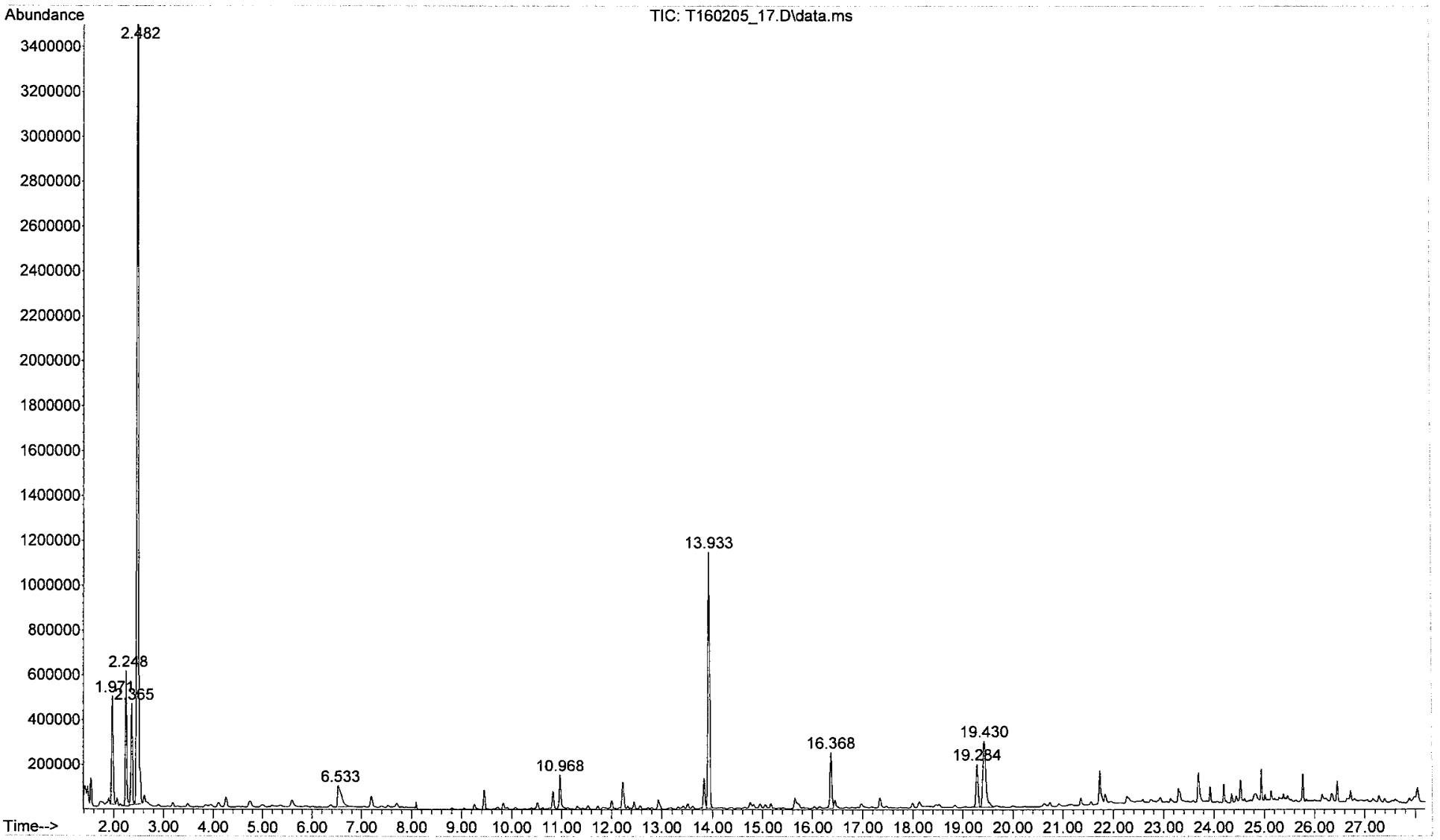
File :C:\msdchem\1\data\2016\Feb\T160205_15.D
Operator : rgill
Acquired : 5 Feb 2016 11:26 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-02; US EPA; 5.837L
Misc Info : 203144; C10-02-3400; 107ngBFB;10:1 split
Vial Number: 15



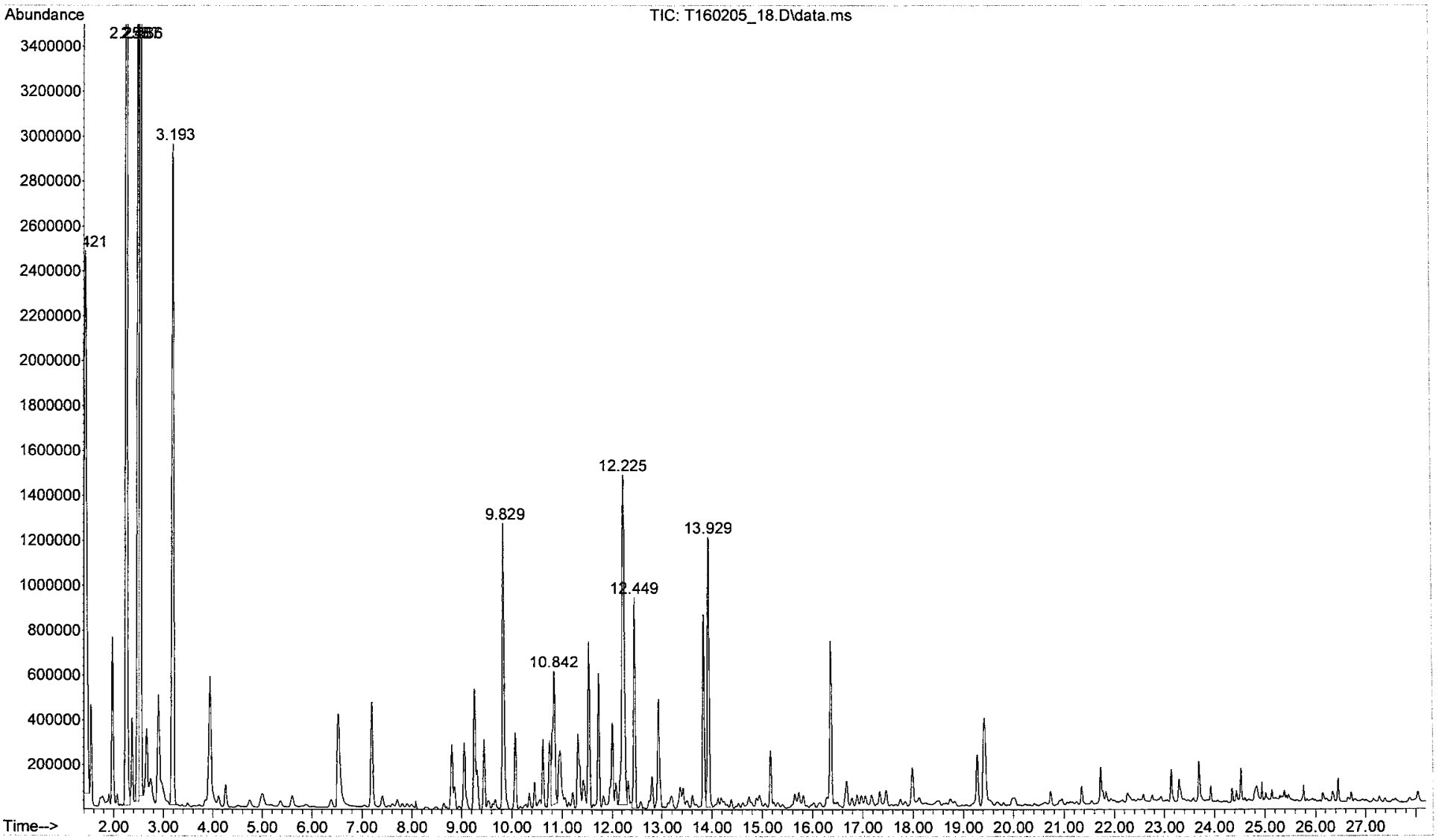
File :C:\msdchem\1\data\2016\Feb\T160205_16.D
Operator : rgill
Acquired : 6 Feb 2016 12:12 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-03; US EPA; 6.1L
Misc Info : 242467; C10-03-3363; 107ngBFB;10:1 split
Vial Number: 16



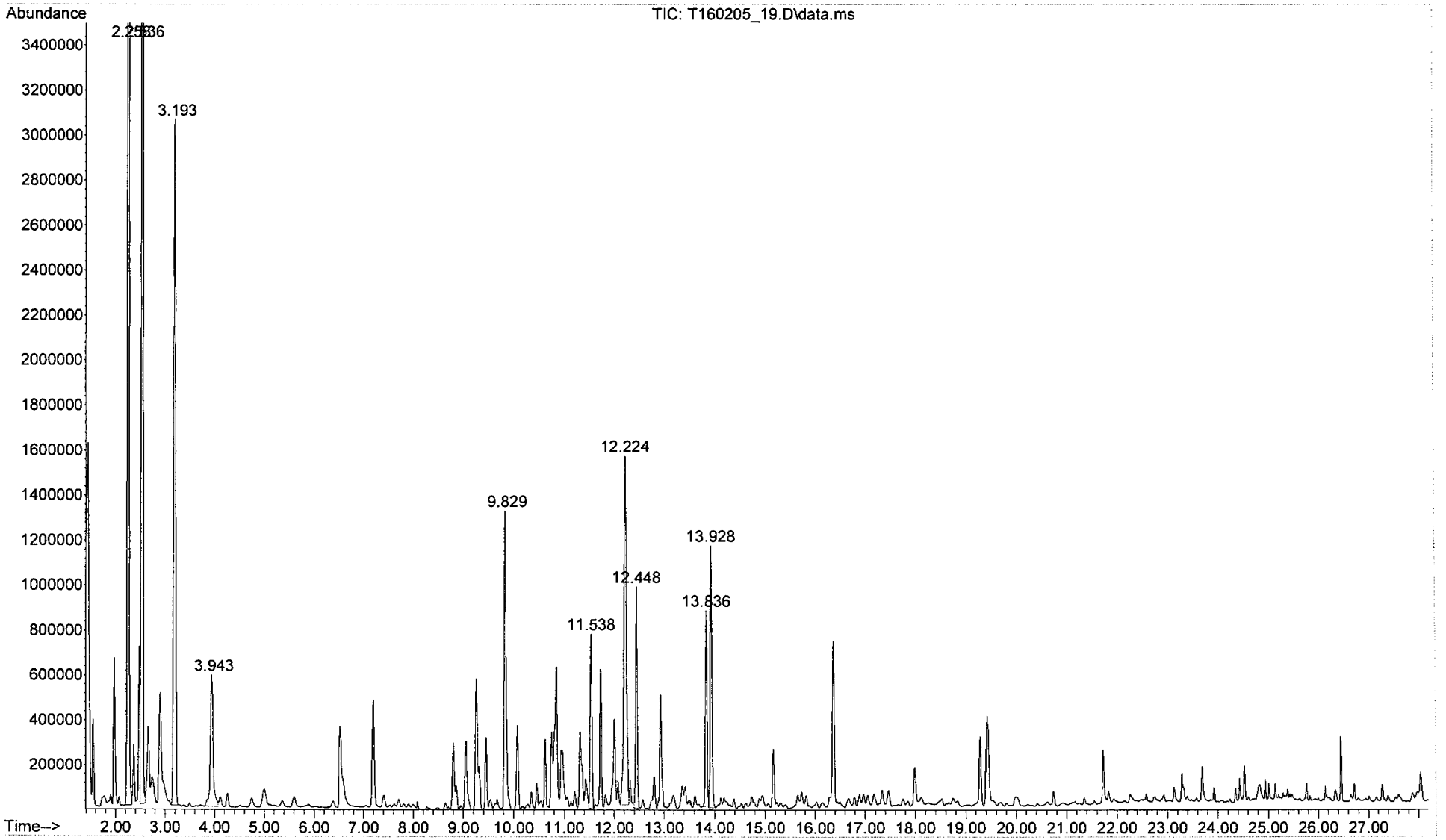
File :C:\msdchem\1\data\2016\Feb\T160205_17.D
Operator : rgill
Acquired : 6 Feb 2016 12:58 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-04; US EPA; 5.514L
Misc Info : 203170; C10-04-3320; 107ngBFB;10:1 split
Vial Number: 17



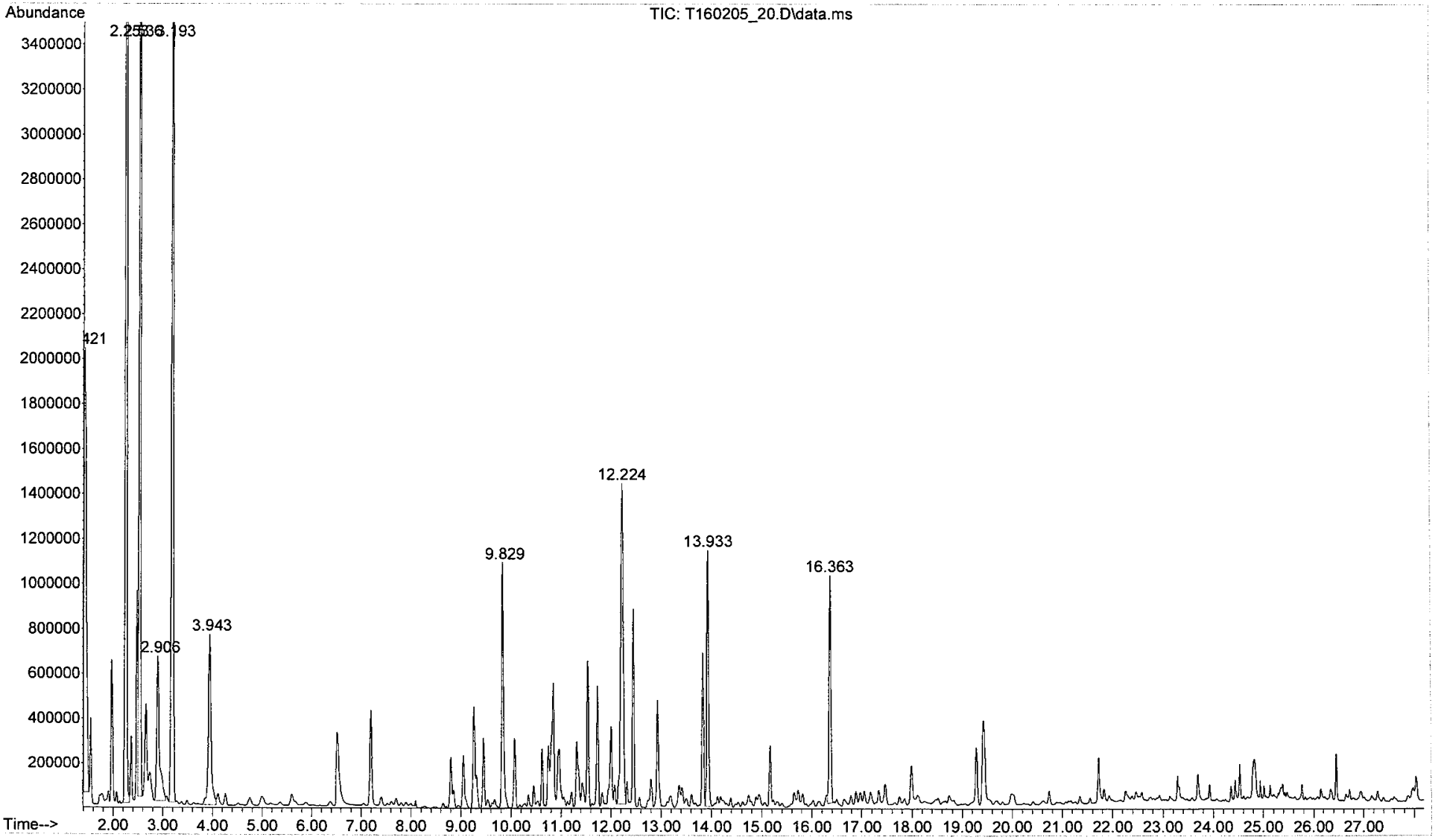
File :C:\msdchem\1\data\2016\Feb\T160205_18.D
Operator : rgill
Acquired : 6 Feb 2016 1:44 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-05; US EPA; 5.64L
Misc Info : 203151; C10-05-10146; 107ngBFB;10:1 split
Vial Number: 18



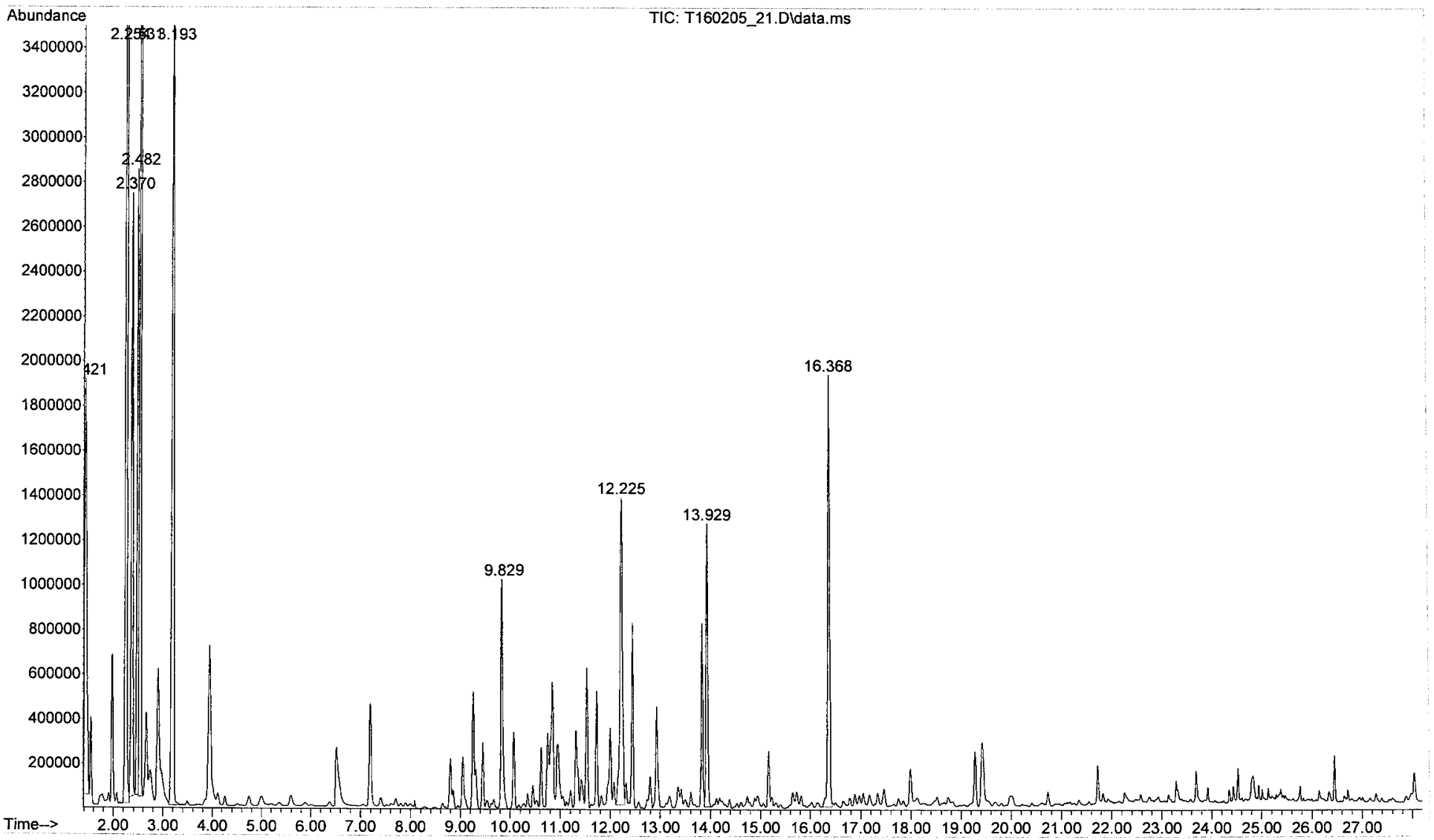
File :C:\msdchem\1\data\2016\Feb\T160205_19.D
Operator : rgill
Acquired : 6 Feb 2016 2:29 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-06; US EPA; 5.815L
Misc Info : Mi193224; C10-06-10151; 107ngBFB;10:1 split
Vial Number: 19



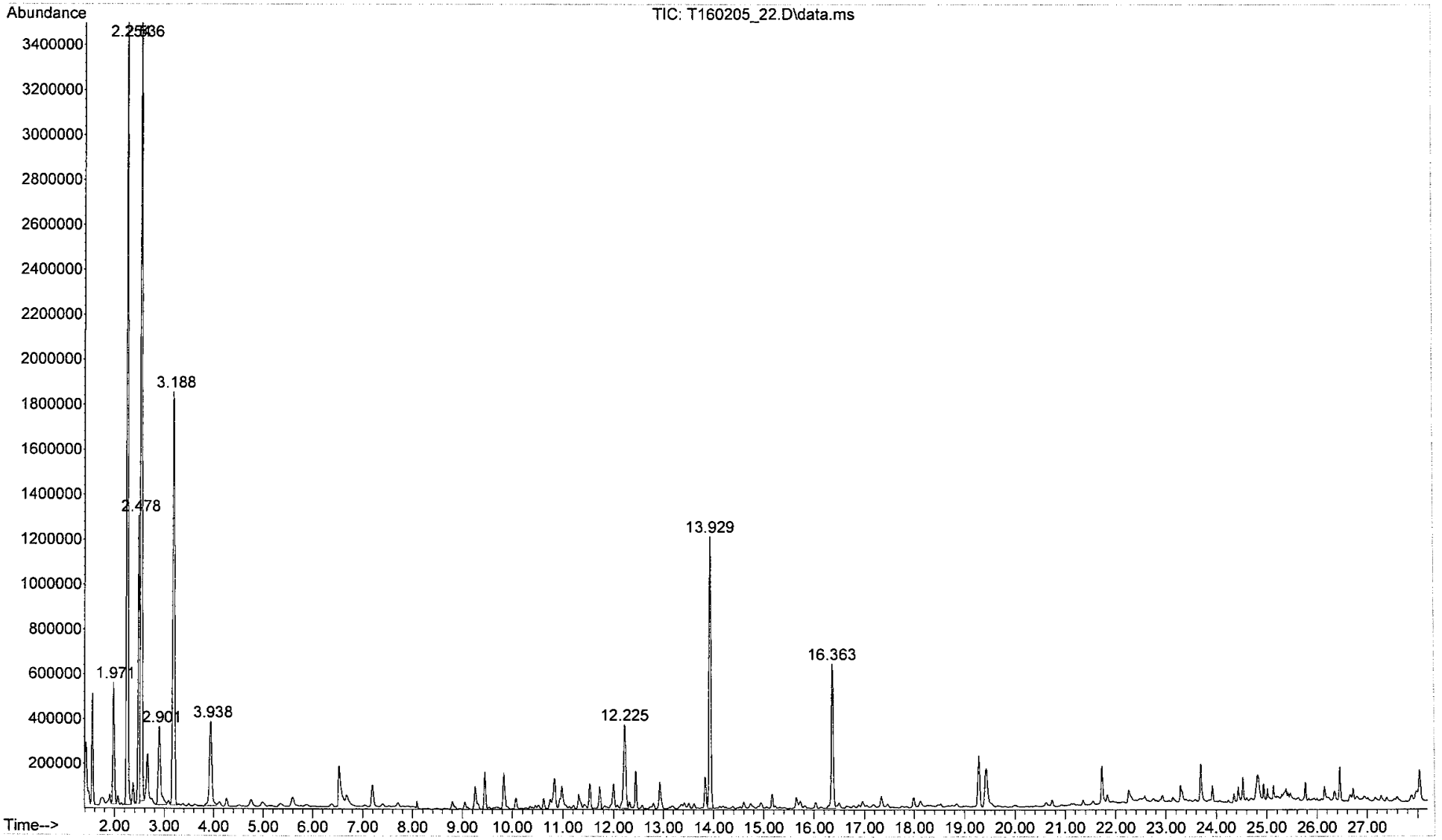
File :C:\msdchem\1\data\2016\Feb\T160205_20.D
Operator : rgill
Acquired : 6 Feb 2016 3:15 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-07; US EPA; 5.498L
Misc Info : 203184; C10-07-10221; 107ngBFB;10:1 split
Vial Number: 20



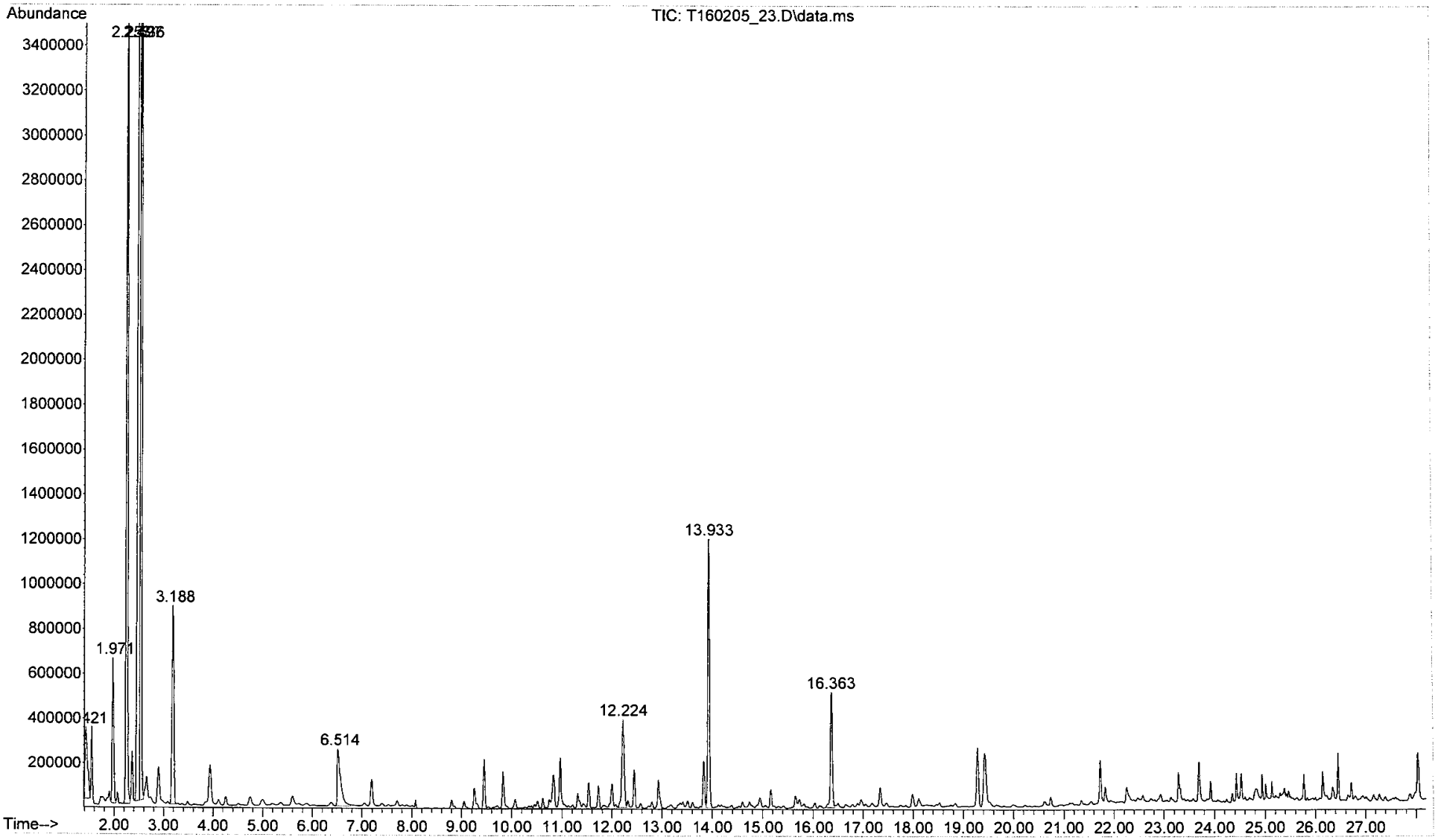
File :C:\msdchem\1\data\2016\Feb\T160205_21.D
Operator : rgill
Acquired : 6 Feb 2016 4:01 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-08; US EPA; 5.326L
Misc Info : Mi193288; C10-08-10344; 107ngBFB;10:1 split
Vial Number: 21



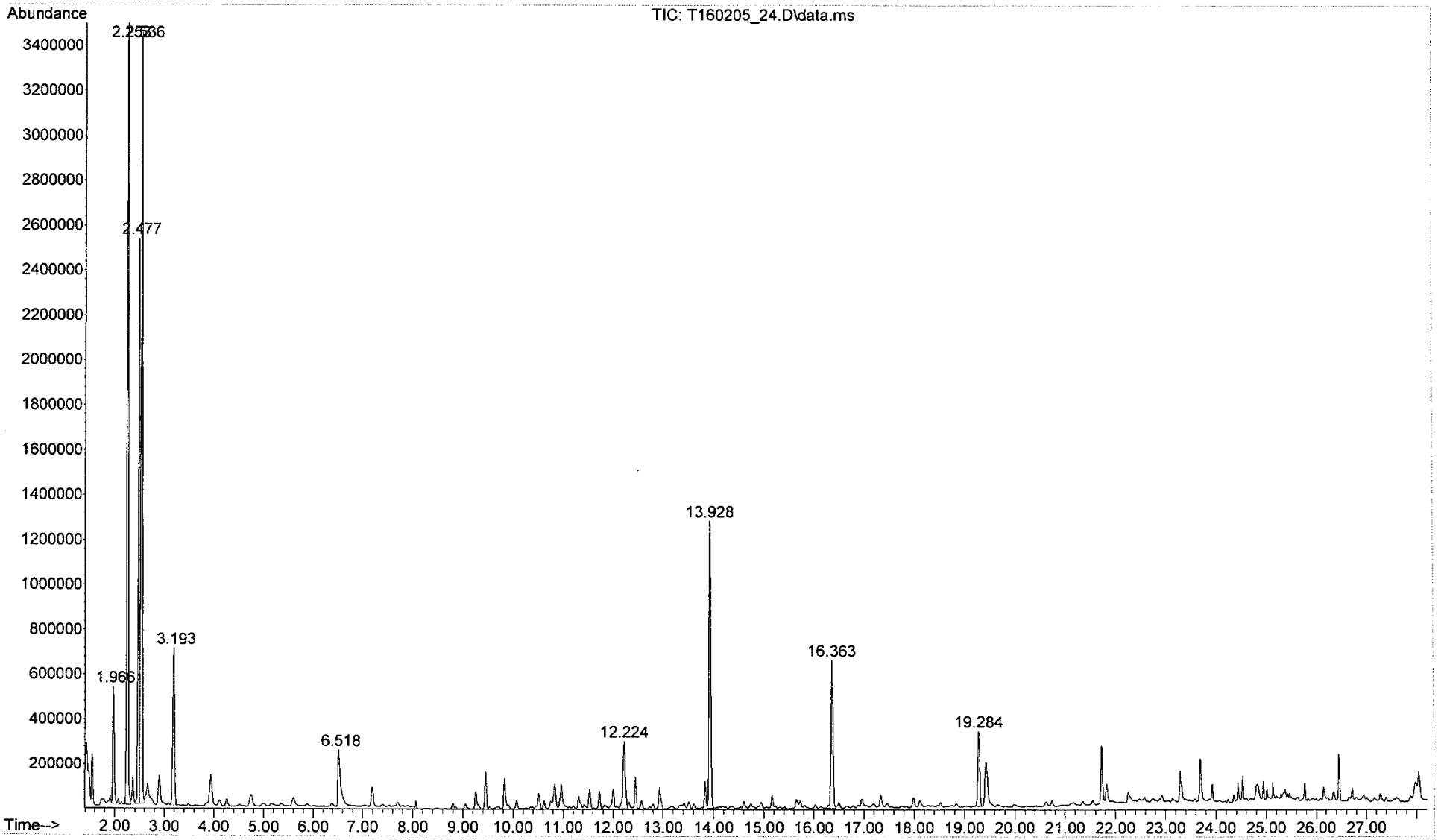
File :C:\msdchem\1\data\2016\Feb\T160205_22.D
Operator : rgill
Acquired : 6 Feb 2016 4:47 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-09; US EPA; 5.808L
Misc Info : 203198; C10-09-11137; 107ngBFB;10:1 split
Vial Number: 22



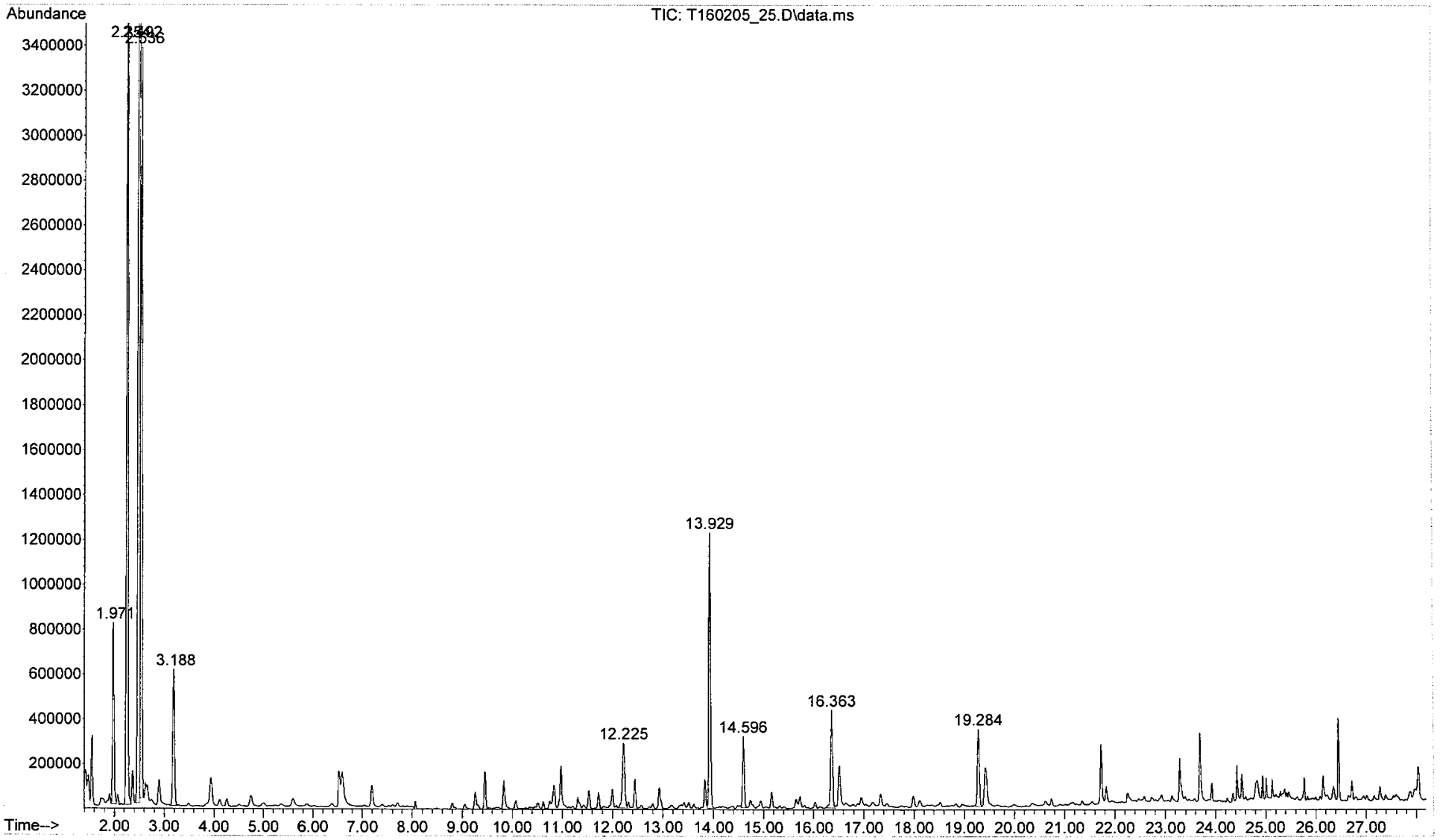
File :C:\msdchem\1\data\2016\Feb\T160205_23.D
Operator : rgill
Acquired : 6 Feb 2016 5:33 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-10; US EPA; 5.413L
Misc Info : 203137; C10-10-11350; 107ngBFB;10:1 split
Vial Number: 23



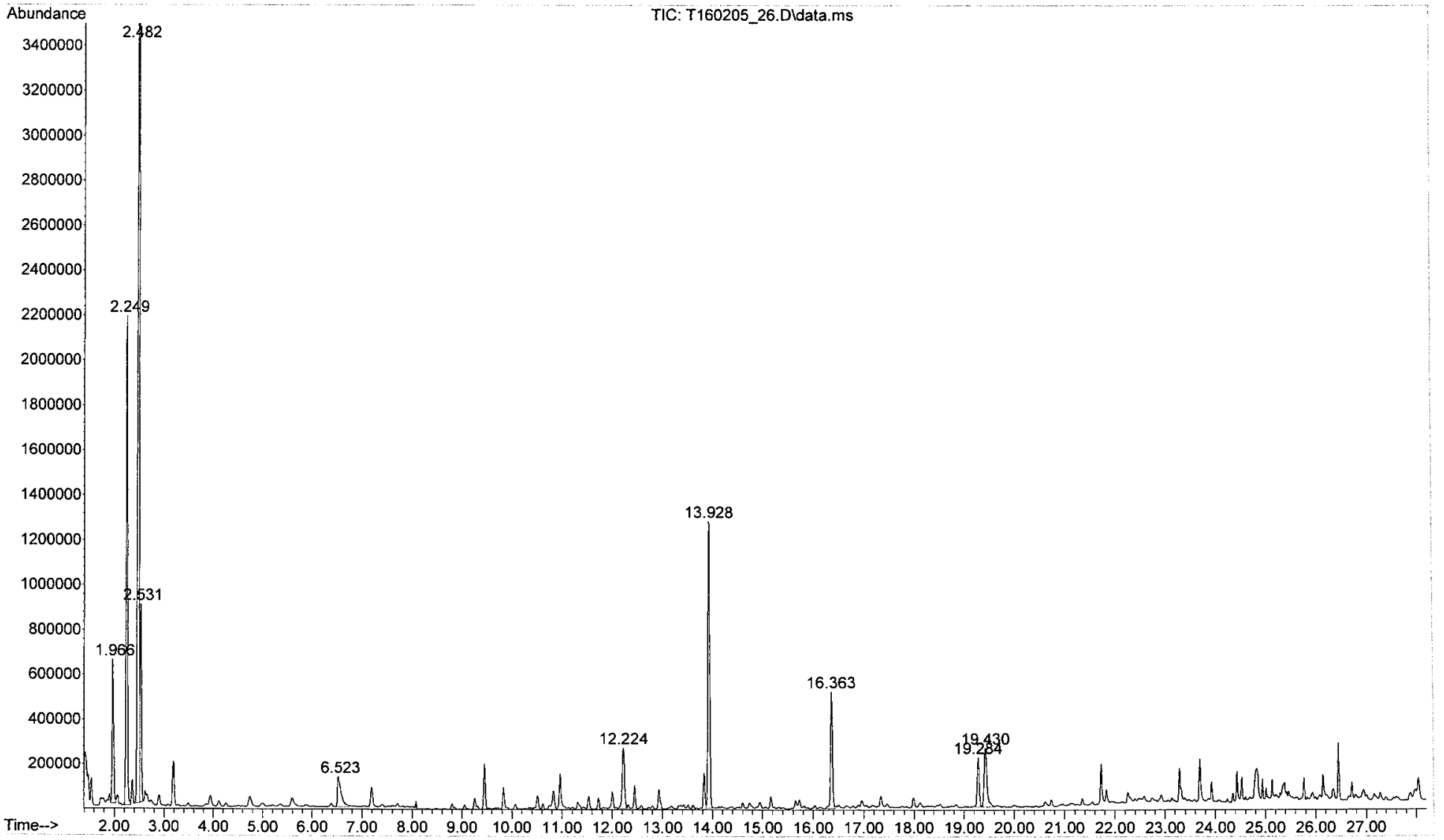
File :C:\msdchem\1\data\2016\Feb\T160205_24.D
Operator : rgill
Acquired : 6 Feb 2016 6:19 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-11; US EPA; 5.71L
Misc Info : 242440; C10-11-11420; 107ngBFB;10:1 split
Vial Number: 24



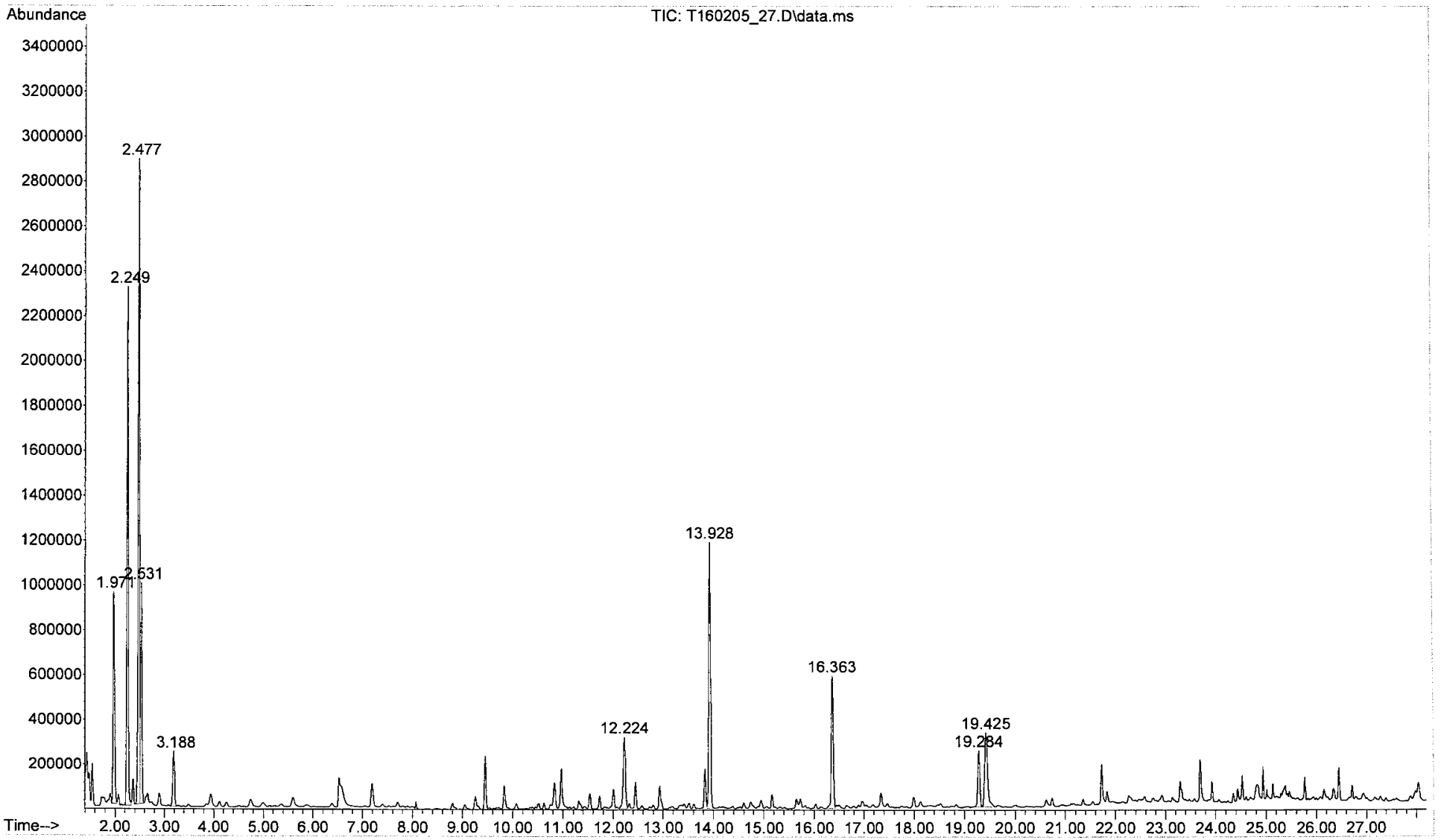
File :C:\msdchem\1\data\2016\Feb\T160205_25.D
Operator : rgill
Acquired : 6 Feb 2016 7:05 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-12; US EPA; 5.518L
Misc Info : Mi193218; C10-12-11310; 107ngBFB;10:1 split
Vial Number: 25



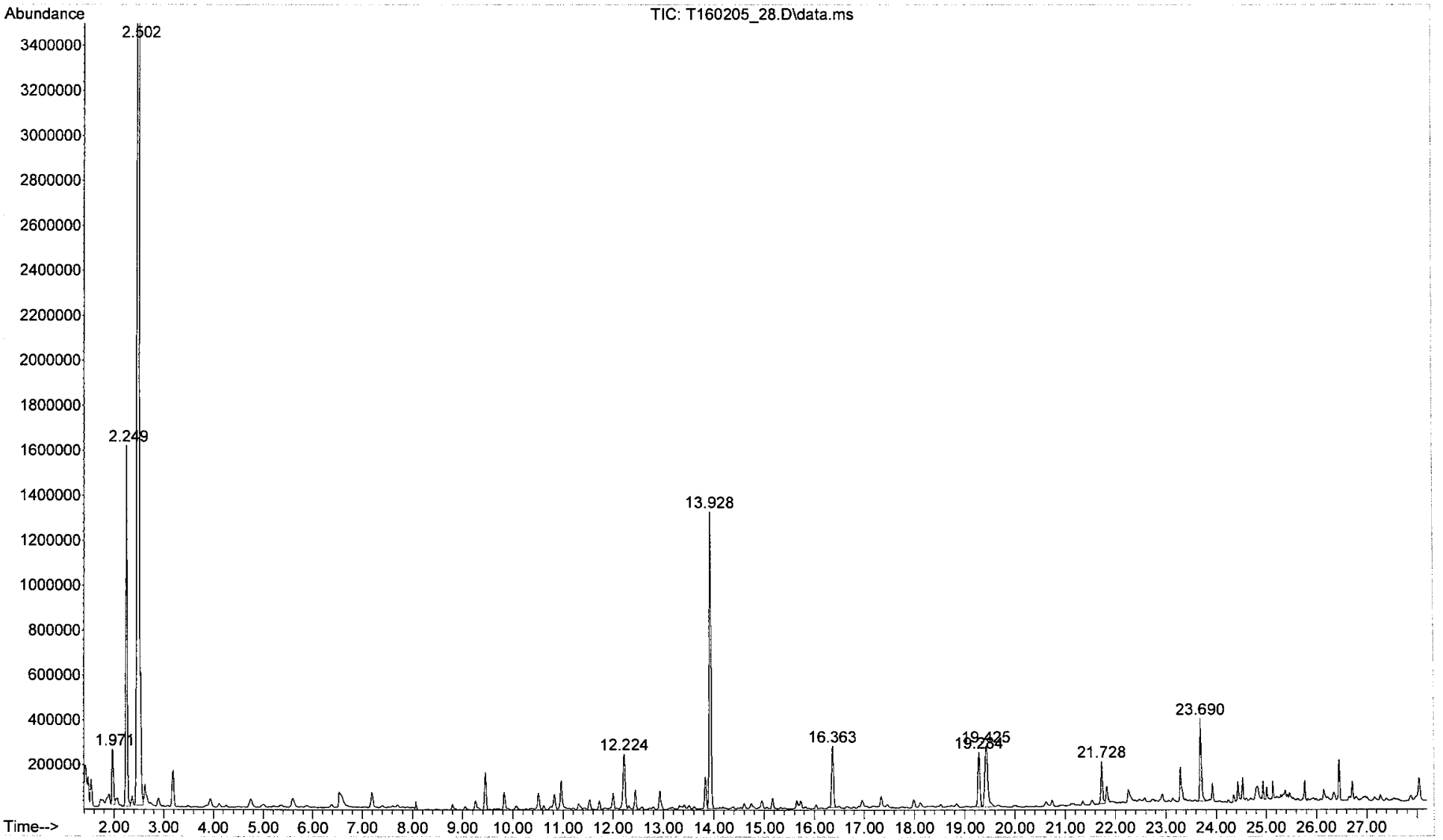
File :C:\msdchem\1\data\2016\Feb\T160205_26.D
Operator : rgill
Acquired : 6 Feb 2016 7:50 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-13; US EPA; 5.591L
Misc Info : 242442; C10-13-12441; 107ngBFB;10:1 split
Vial Number: 26



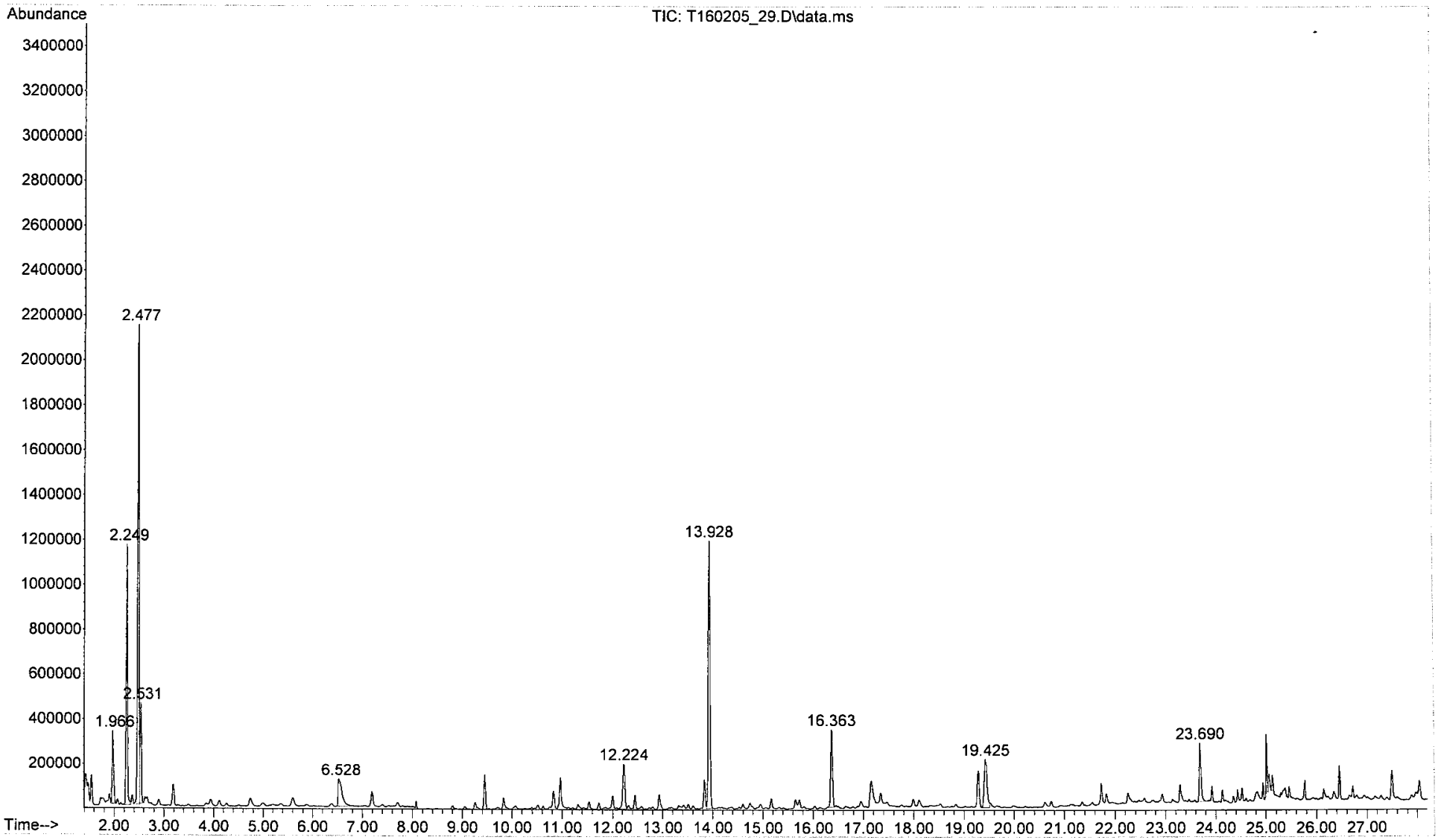
File :C:\msdchem\1\data\2016\Feb\T160205_27.D
Operator : rgill
Acquired : 6 Feb 2016 8:36 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-14; US EPA; 5.549L
Misc Info : Mi193227; C10-14-12414; 107ngBFB;10:1 split
Vial Number: 27



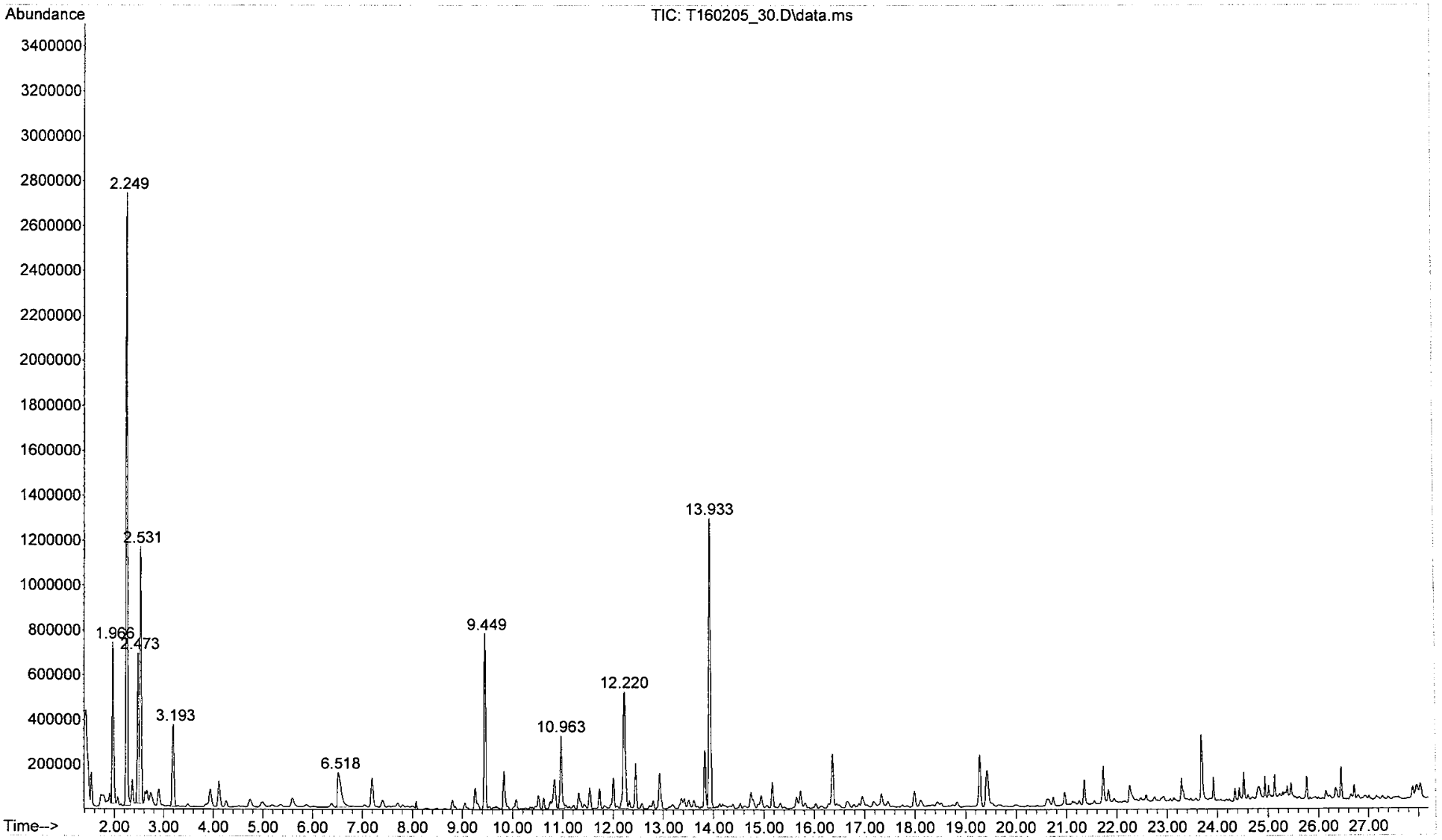
File :C:\msdchem\1\data\2016\Feb\T160205_28.D
Operator : rgill
Acquired : 6 Feb 2016 9:22 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-15; US EPA; 5.729L
Misc Info : 242405; C10-15-12351; 107ngBFB;10:1 split
Vial Number: 28



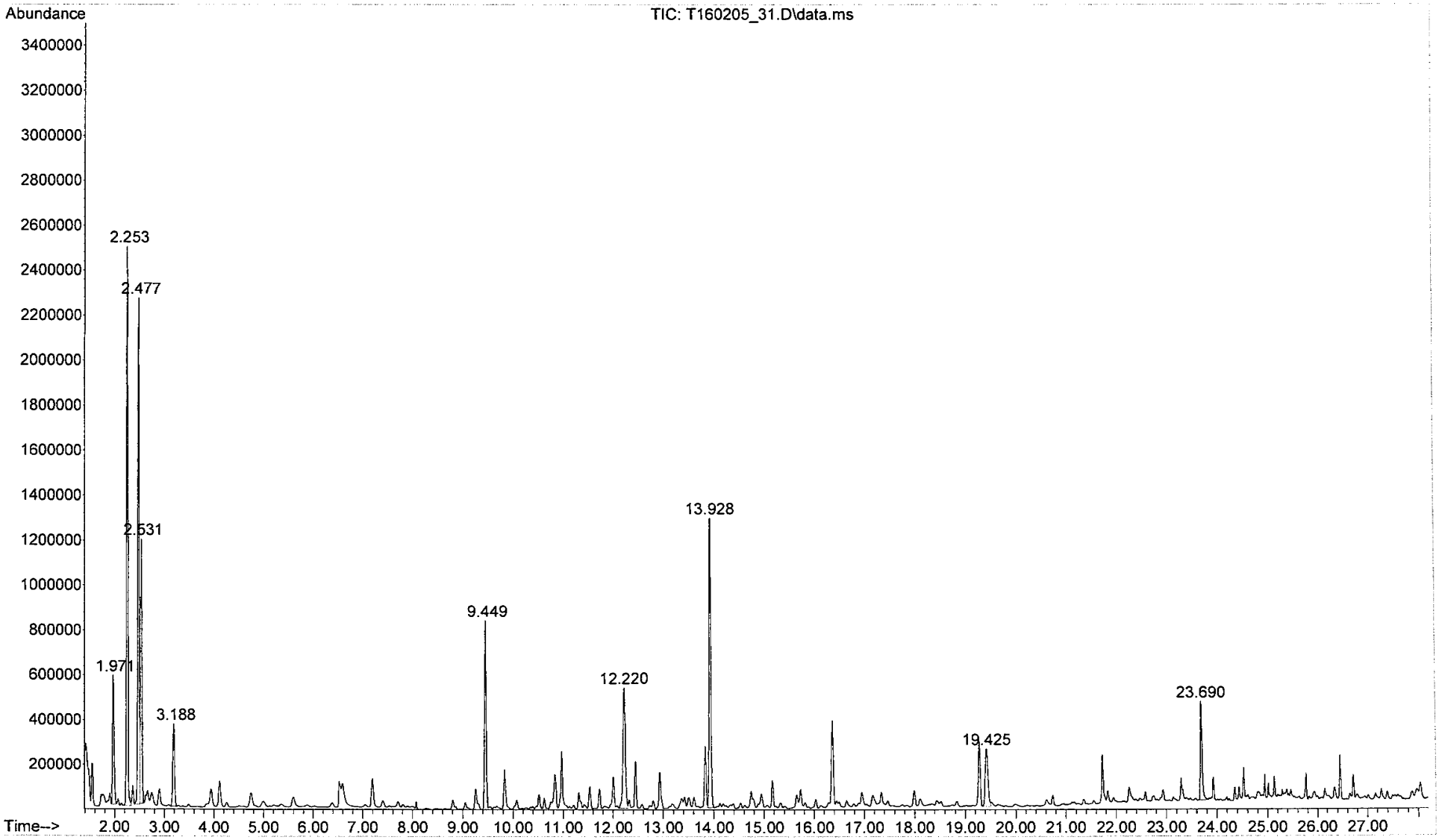
File :C:\msdchem\1\data\2016\Feb\T160205_29.D
Operator : rgill
Acquired : 6 Feb 2016 10:08 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-16; US EPA; 5.588L
Misc Info : Mi193238; C10-16-12441; 107ngBFB;10:1 split
Vial Number: 29



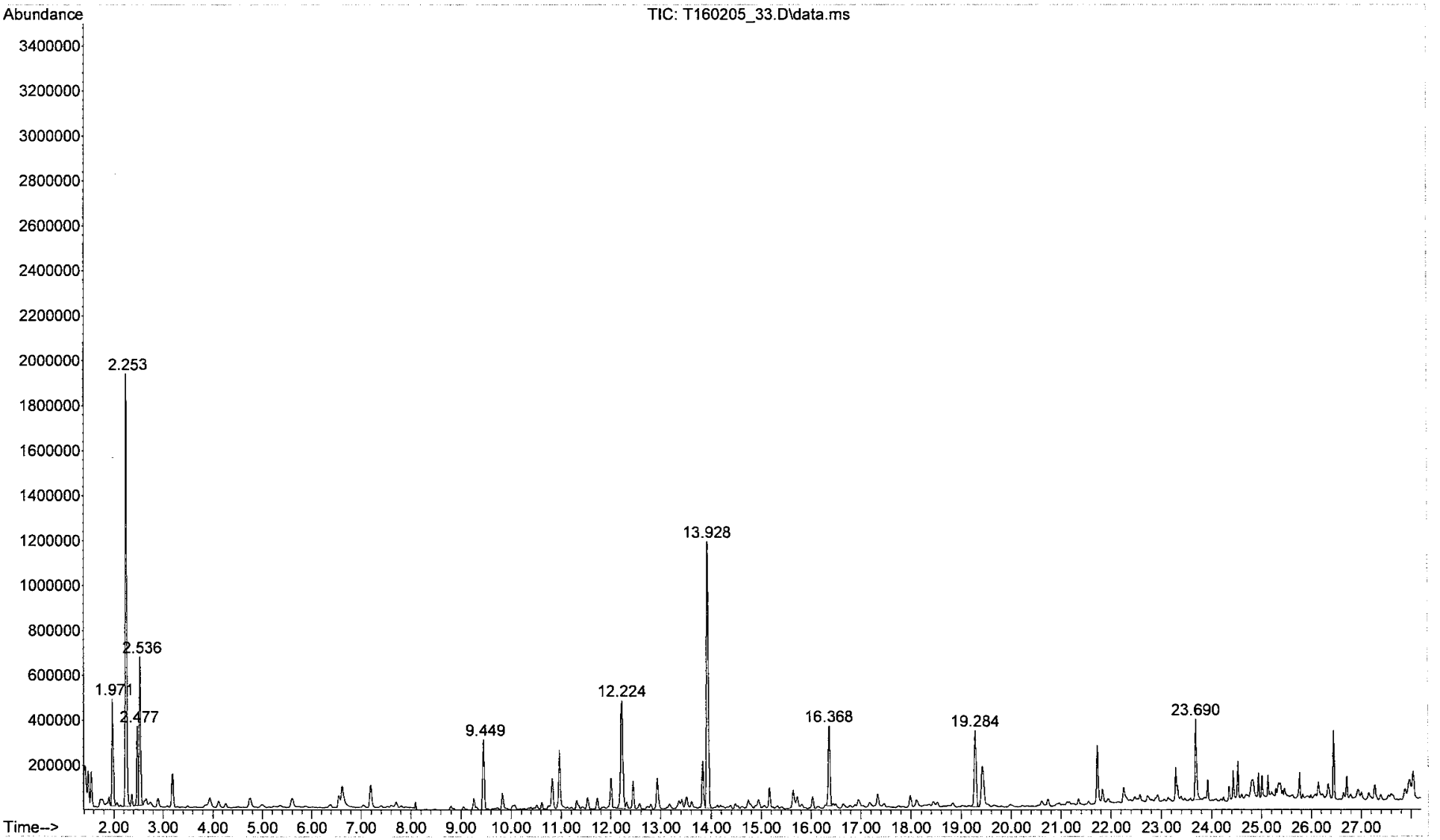
File :C:\msdchem\1\data\2016\Feb\T160205_30.D
Operator : rgill
Acquired : 6 Feb 2016 10:53 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-17; US EPA; 6.506L
Misc Info : 242500; C10-17-14414; 107ngBFB;10:1 split
Vial Number: 30



File :C:\msdchem\1\data\2016\Feb\T160205_31.D
Operator : rgill
Acquired : 6 Feb 2016 11:40 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-18; US EPA; 6.315L
Misc Info : 242476; C10-18-242476; 107ngBFB;10:1 split
Vial Number: 31



File :C:\msdchem\1\data\2016\Feb\T160205_33.D
Operator : rgill
Acquired : 6 Feb 2016 1:11 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-030-20; US EPA; 5.737L
Misc Info : 203107; C10-20-14246; 107ngBFB;10:1 split
Vial Number: 33



The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-01; US EPA; 5.520L

2/8/2016, Rgill

	BFB(ng)	RF		
TIC: T160205_14.D\data.ms	107	0.92	5.5	

RT	Area	RelResp	Mass ng	Conc. ug/m3	CAS#	Compound
13.94	2721204.0	1.000	116.3	21.1		bfb-Istd
23.70	695778.0	0.256	49.6	9.0		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-02; US EPA; 5.837L

2/8/2016, Rgill

		BFB(ng)	RF			
TIC: T160205_15.D\data.ms		107		0.92	5.8	
				Mass	**Conc.**	
RT	Area	RelResp		ng	ug/m3	CAS#	Compound
13.94	2686272.0	1.000		116.3	19.9		bfb-Istd
23.70	202225.0	0.075		13.9	2.4		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-03; US EPA; 6.1L

2/8/2016, Rgill

	BFB(ng)	RF		
TIC: T160205_16.D\data.ms	107	0.92	6.1	

RT	Area	RelResp	Mass ng	Conc. ug/m3	CAS#	Compound
13.94	2938847.0	1.000	116.3	19.1		bfb-istd
23.70	812240.0	0.276	55.8	9.1		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-04; US EPA; 5.514L

2/8/2016, Rgill

		BFB(ng)	RF			
TIC: T160205_17.D\data.ms		107	0.92	5.5		
			Mass	**Conc.**		
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	2700429.0	1.000	116.3	21.1		bfb-lstd
23.70	352744.0	0.131	25.7	4.7		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-05; US EPA; 5.64L

2/8/2016, Rgill

		BFB(ng)	RF			
TIC: T160205_18.D\data.ms		107		0.92	5.6	
				Mass	**Conc.**	
RT	Area	RelResp		ng	ug/m3	CAS#	Compound
13.94	2897982.0	1.000		116.3	20.6		bfb-Istd
23.70	511340.0	0.176		30.5	5.4		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-06; US EPA; 5.815L

2/8/2016, Rgill

		BFB(ng)	RF			
TIC: T160205_19.D\data.ms		107	0.92	5.8		
			Mass	**Conc.**		
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	2809769.0	1.000	116.3	20.0		bfb-Istd
23.70	416131.0	0.148	26.1	4.5		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-07; US EPA; 5.498L

2/8/2016, Rgill

	BFB(ng)	RF			
TIC: T160205_20.D\data.ms	107		0.92	5.5	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	2764823.0	1.000	116.3	21.2		bfb-Istd
23.70	310989.0	0.112	22.0	4.0		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-08; US EPA; 5.326L

2/8/2016, Rgill

		BFB(ng)	RF			
TIC: T160205_21.D\data.ms		107		0.92	5.3	
				Mass	**Conc.**	
RT	Area	RelResp		ng	ug/m3	CAS#	Compound
13.94	3028191.0	1.000		116.3	21.8		bfb-Istd
23.70	378678.0	0.125		22.0	4.1		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-09; US EPA; 5.808L

2/8/2016, Rgill

	BFB(ng)	RF		
TIC: T160205_22.D\data.ms	107	0.92	5.8	

RT	Area	RelResp	Mass ng	Conc. ug/m3	CAS#	Compound
13.94	2889269.0	1.000	116.3	20.0		bfb-Istd
23.70	421630.0	0.146	27.4	4.7		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-10; US EPA; 5.413L

2/8/2016, Rgill

	BFB(ng)	RF			
TIC: T160205_23.D\data.ms	107		0.92	5.4	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	2861690.0	1.000	116.3	21.5		bfb-Istd
23.70	470759.0	0.165	29.3	5.4		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-11; US EPA; 5.71L

2/8/2016, Rgill

		BFB(ng)	RF			
TIC: T160205_24.D\data.ms		107		0.92	5.7	
				Mass	**Conc.**	
RT	Area	RelResp		ng	ug/m3	CAS#	Compound
13.94	3019611.0	1.000		116.3	20.4		bfb-lstd
23.70	494222.0	0.164		29.8	5.2		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-12; US EPA; 5.518L

2/8/2016, Rgill

		BFB(ng)	RF			
TIC: T160205_25.D\data.ms		107		0.92	5.5	
				Mass	**Conc.**	
RT	Area	RelResp		ng	ug/m3	CAS#	Compound
13.94	2894022.0	1.000		116.3	21.1		bfb-lstd
23.70	765459.0	0.264		49.0	8.9		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-13; US EPA; 5.591L

2/8/2016, Rgill

	BFB(ng)	RF			
TIC: T160205_26.D\data.ms	107		0.92	5.6	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	3025445.0	1.000	116.3	20.8		bfb-Istd
23.70	503006.0	0.166	29.0	5.2		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-14; US EPA; 5.549L

2/8/2016, Rgill

	BFB(ng)	RF			
TIC: T160205_27.D\data.ms	107		0.92	5.5	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	2864560.0	1.000	116.3	21.0		bfb-lstd
23.70	487574.0	0.170	31.1	5.6		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-15; US EPA; 5.729L

2/8/2016, Rgill

		BFB(ng)	RF			
TIC: T160205_28.D\data.ms		107		0.92	5.7	
				Mass	**Conc.**	
RT	Area	RelResp		ng	ug/m3	CAS#	Compound
13.94	3108026.0	1.000		116.3	20.3		bfb-Istd
23.70	831175.0	0.267		53.1	9.3		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-16; US EPA; 5.588L

2/8/2016, Rgill

	BFB(ng)	RF			
TIC: T160205_29.D\data.ms	107		0.92	5.6	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	2803208.0	1.000	116.3	20.8		bfb-Istd
23.70	607268.0	0.217	44.3	7.9		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-17; US EPA; 6.506L

2/8/2016, Rgill

		BFB(ng)	RF			
TIC: T160205_30.D\data.ms		107	0.92	6.5		
			Mass	**Conc.**		
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	3031087.0	1.000	116.3	17.9		bfb-Istd
23.70	742699.0	0.245	44.7	6.9		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-18; US EPA; 6.315L

2/8/2016, Rgill

	BFB(ng)	RF			
TIC: T160205_31.D\data.ms	107		0.92	6.3	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	3061558.0	1.000	116.3	18.4		bfb-Istd
23.70	984534.0	0.322	63.4	10.0		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-19; US EPA; 6.0L

2/8/2016, Rgill

	BFB(ng)	RF			
TIC: T160205_32.D\data.ms	107		0.92	6.0	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	2871042.0	1.000	116.3	19.4		bfb-Istd
23.70	731831.0	0.255	51.8	8.6		Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-030-20; US EPA; 5.737L

2/8/2016, Rgill

	BFB(ng)	RF			
TIC: T160205_33.D\data.ms	107		0.92	5.7	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	CAS#	Compound
13.94	2816199.0	1.000	116.3	20.3		bfb-Istd
23.70	782557.0	0.278	56.7	9.9		Caprolactam

061-030-01 5.523 litres
US EPA
Mi193231 collected: 2/3/2016
C10-01; 3314

061-030-02 5.837 litres
US EPA
203144 collected: 2/3/2016
C10-02; 3400

061-030-03 6.1 litres
US EPA
242467 collected: 2/3/2016
C10-03; 3363

061-030-04 5.514 litres
US EPA
203170 collected: 2/3/2016
C10-04; 3320

061-030-05 5.64 litres
US EPA
203151 collected: 2/3/2016
C10-05; 10146

061-030-06 5.815 litres
US EPA
Mi193224 collected: 2/3/2016
C10-06; 10151

061-030-07 5.498 litres
US EPA
203184 collected: 2/3/2016
C10-07; 10221

061-030-08 5.326 litres
US EPA
Mi193288 collected: 2/3/2016
C10-08; 10344

061-030-09 5.808 litres
US EPA
203198 collected: 2/3/2016
C10-09; 11137

061-030-10 5.413 litres
US EPA
203137 collected: 2/3/2016
C10-10; 11350

061-030-11 5.71 litres
US EPA
242440 collected: 2/3/2016
C10-11; 11420

061-030-12 5.518 litres
US EPA
Mi193218 collected: 2/3/2016
C10-12; 11310

061-030-13 5.591 litres
US EPA
242442 collected: 2/3/2016
C10-13; 12441

061-030-14 5.549 litres
US EPA
Mi193227 collected: 2/3/2016
C10-14; 12414

061-030-15 5.729 litres
US EPA
242405 collected: 2/3/2016
C10-15; 12351

061-030-16 5.588 litres
US EPA
Mi193238 collected: 2/3/2016
C10-16;12144

061-030-17 6.506 litres
US EPA
242500 collected: 2/3/2016
C10-17; 14414

061-030-18 6.315 litres
US EPA
242476 collected: 2/3/2016
C10-18;14364

061-030-19 6 litres
US EPA
Mi193234 collected: 2/3/2016
C10-19; 14112

061-030-20 5.737 litres
US EPA
203107 collected: 2/3/2016
C10-20; 14246

061-030-21 51.05 litres
US EPA
F10-01 collected: 2/3/2016
4

061-030-22 55.47 litres
US EPA
F10-02 collected: 2/3/2016
3400

061-030-23 55.15 litres
US EPA
F10-03 collected: 2/3/2016
3363

061-030-24 51.33 litres
US EPA
F10-04 collected: 2/3/2016
3320

061-030-25 53.73 litres
US EPA
F10-05 collected: 2/3/2016
10146

061-030-26 52.37 litres
US EPA
F10-06 collected: 2/3/2016
10151

061-030-27 51.97 litres
US EPA
F10-07 collected: 2/3/2016
10221

061-030-28 51 litres
US EPA
F10-08 collected: 2/3/2016
10344

061-030-29 52.95 litres
US EPA
F10-09 collected: 2/3/2016
11137

061-030-30 51.56 litres
US EPA
F10-10 collected: 2/3/2016
11350

061-030-31 54.92 litres
US EPA
F10-11 collected: 2/3/2016
11420

061-030-32 50.56 litres
US EPA
F10-12 collected: 2/3/2016
11310

061-030-33 54.14 litres
US EPA
F10-13 collected: 2/3/2016
12441

061-030-34 54.16 litres
US EPA
F10-14 collected: 2/3/2016
12414

061-030-35 52.94 litres
US EPA
F10-15 collected: 2/3/2016
12351

061-030-36 54.21 litres
US EPA
F10-16 collected: 2/3/2016
12144

061-030-37 62.65 litres
US EPA
F10-17 collected: 2/3/2016
14414

061-030-38 60.38 litres
US EPA
F10-18 collected: 2/3/2016
14364

061-030-39 58.09 litres
US EPA
F10-19 collected: 2/3/2016
14112

061-030-40 55.51 litres
US EPA
F10-20 collected: 2/3/2016
14246