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Analysis of Field-Collected Air Samples

Customer and Project Information

Report Certification	
Report number	061-032-IH-May0416
Report date	May 4, 2016
Certified by (Name/Title)	Alfred T. Hodgson, Research Director
Signature	
Date	*May 4, 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	75 Hawthorne IAQ
Project location	Not given
Project date	April 26, 2016

Laboratory Receiving Information	
Date samples received by lab	April 28, 2016
Condition of samples	No observed problems
Lab tracking numbers	061-032-01 to 061-032-40

Sample Information, Caprolactam

Sample No.	Sample Description	Sampler No.	Date Collected	Volume* (L)	Analysis Type	Specified Method
C11-01	11137	242491	April 26, 2016	5.65	Caprolactam	TO-17
C11-02	11350	242481	April 26, 2016	5.78	Caprolactam	TO-17
C11-03	4121-H	242453	April 26, 2016	5.98	Caprolactam	TO-17
C11-04	3363	203103	April 26, 2016	6.45	Caprolactam	TO-17
C11-05	3320	Mi51152	April 26, 2016	7.23	Caprolactam	TO-17
C11-06	6300M	203169	April 26, 2016	6.21	Caprolactam	TO-17
C11-07	10344	Mi51175	April 26, 2016	5.41	Caprolactam	TO-17
C11-08	10151	Mi59957	April 26, 2016	5.53	Caprolactam	TO-17
C11-09	10146	Mi193213	April 26, 2016	5.33	Caprolactam	TO-17
C11-10	10366	Mi58840	April 26, 2016	5.55	Caprolactam	TO-17
C11-11	12441	Mi193208	April 26, 2016	5.75	Caprolactam	TO-17
C11-12	12414	Mi59921	April 26, 2016	5.87	Caprolactam	TO-17
C11-13	12351	Mi59922	April 26, 2016	5.67	Caprolactam	TO-17
C11-14	12144	203199	April 26, 2016	5.59	Caprolactam	TO-17
C11-15	14414	Mi193240	April 26, 2016	5.82	Caprolactam	TO-17
C11-16	14364	242472	April 26, 2016	5.58	Caprolactam	TO-17
C11-17	14246	242462	April 26, 2016	5.12	Caprolactam	TO-17
C11-18	14112	242439	April 26, 2016	6.13	Caprolactam	TO-17
C11-19	15322	Mi51119	April 26, 2016	5.96	Caprolactam	TO-17
C11-20	15248	203172	April 26, 2016	5.79	Caprolactam	TO-17

*Volume in liters reported by customer

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Sample Information, Formaldehyde

Sample No.	Sample Description	Sampler No.	Date Collected	Volume* (L)	Analysis Type	Specified Method
F11-01	11137	Waters Cart	April 26, 2016	53.56	Formaldehyde	D 5197
F11-02	11350	Waters Cart	April 26, 2016	55.42	Formaldehyde	D 5197
F11-03	4121-H	Waters Cart	April 26, 2016	56.50	Formaldehyde	D 5197
F11-04	3363	Waters Cart	April 26, 2016	60.37	Formaldehyde	D 5197
F11-05	3320	Waters Cart	April 26, 2016	69.17	Formaldehyde	D 5197
F11-06	6300M	Waters Cart	April 26, 2016	58.38	Formaldehyde	D 5197
F11-07	10344	Waters Cart	April 26, 2016	50.69	Formaldehyde	D 5197
F11-08	10151	Waters Cart	April 26, 2016	52.70	Formaldehyde	D 5197
F11-09	10146	Waters Cart	April 26, 2016	50.39	Formaldehyde	D 5197
F11-10	10366	Waters Cart	April 26, 2016	52.80	Formaldehyde	D 5197
F11-11	12441	Waters Cart	April 26, 2016	55.73	Formaldehyde	D 5197
F11-12	12414	Waters Cart	April 26, 2016	55.87	Formaldehyde	D 5197
F11-13	12351	Waters Cart	April 26, 2016	53.83	Formaldehyde	D 5197
F11-14	12.144	Waters Cart	April 26, 2016	53.78	Formaldehyde	D 5197
F11-15	14414	Waters Cart	April 26, 2016	54.61	Formaldehyde	D 5197
F11-16	14364	Waters Cart	April 26, 2016	52.54	Formaldehyde	D 5197
F11-17	14246	Waters Cart	April 26, 2016	49.29	Formaldehyde	D 5197
F11-18	14112	Waters Cart	April 26, 2016	57.84	Formaldehyde	D 5197
F11-19	15322	Waters Cart	April 26, 2016	56.05	Formaldehyde	D 5197
F11-20	15248	Waters Cart	April 26, 2016	55.41	Formaldehyde	D 5197

*Volume in liters reported by customer

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Analytical Information, Caprolactam

Sample No.	Lab Track. No.	Method	Date Analyzed	Analyst	Data File
C11-01	061-032-01	TO-17	May 2, 2016	R. Gill	T160502_03
C11-02	061-032-02	TO-17	May 2, 2016	R. Gill	T160502_04
C11-03	061-032-03	TO-17	May 2, 2016	R. Gill	T160502_05
C11-04	061-032-04	TO-17	May 2, 2016	R. Gill	T160502_06
C11-05	061-032-05	TO-17	May 2, 2016	R. Gill	T160502_07
C11-06	061-032-06	TO-17	May 2, 2016	R. Gill	T160502_08
C11-07	061-032-07	TO-17	May 2, 2016	R. Gill	T160502_09
C11-08	061-032-08	TO-17	May 2, 2016	R. Gill	T160503_01
C11-09	061-032-09	TO-17	May 2, 2016	R. Gill	T160502_11
C11-10	061-032-10	TO-17	May 2, 2016	R. Gill	T160502_12
C11-11	061-032-11	TO-17	May 2, 2016	R. Gill	T160502_13
C11-12	061-032-12	TO-17	May 2, 2016	R. Gill	T160502_14
C11-13	061-032-13	TO-17	May 2, 2016	R. Gill	T160502_15
C11-14	061-032-14	TO-17	May 2, 2016	R. Gill	T160502_16
C11-15	061-032-15	TO-17	May 2, 2016	R. Gill	T160502_17
C11-16	061-032-16	TO-17	May 2, 2016	R. Gill	T160502_18
C11-17	061-032-17	TO-17	May 2, 2016	R. Gill	T160502_19
C11-18	061-032-18	TO-17	May 2, 2016	R. Gill	T160502_20
C11-19	061-032-19	TO-17	May 2, 2016	R. Gill	T160502_21
C11-20	061-032-20	TO-17	May 2, 2016	R. Gill	T160502_22

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Analytical Information, Formaldehyde

Sample No.	Lab Track. No.	Method	Date Analyzed	Analyst	Data File
F11-01	061-032-21	D 5197	May 2, 2016	T. Cheng	160502\160502014.D
F11-02	061-032-22	D 5197	May 2, 2016	T. Cheng	160502\160502015.D
F11-03	061-032-23	D 5197	May 2, 2016	T. Cheng	160502\160502016.D
F11-04	061-032-24	D 5197	May 2, 2016	T. Cheng	160502\160502018.D
F11-05	061-032-25	D 5197	May 2, 2016	T. Cheng	160502\160502019.D
F11-06	061-032-26	D 5197	May 2, 2016	T. Cheng	160502\160502021.D
F11-07	061-032-27	D 5197	May 2, 2016	T. Cheng	160502\160502022.D
F11-08	061-032-28	D 5197	May 2, 2016	T. Cheng	160502\160502023.D
F11-09	061-032-29	D 5197	May 2, 2016	T. Cheng	160502\160502024.D
F11-10	061-032-30	D 5197	May 2, 2016	T. Cheng	160502\160502025.D
F11-11	061-032-31	D 5197	May 2, 2016	T. Cheng	160502\160502027.D
F11-12	061-032-32	D 5197	May 2, 2016	T. Cheng	160502\160502028.D
F11-13	061-032-33	D 5197	May 2, 2016	T. Cheng	160502\160502029.D
F11-14	061-032-34	D 5197	May 2, 2016	T. Cheng	160502\160502030.D
F11-15	061-032-35	D 5197	May 2, 2016	T. Cheng	160502\160502031.D
F11-16	061-032-36	D 5197	May 2, 2016	T. Cheng	160502\160502033.D
F11-17	061-032-37	D 5197	May 2, 2016	T. Cheng	160502\160502034.D
F11-18	061-032-38	D 5197	May 2, 2016	T. Cheng	160502\160502035.D
F11-19	061-032-39	D 5197	May 2, 2016	T. Cheng	160502\160502037.D
F11-20	061-032-40	D 5197	May 2, 2016	T. Cheng	160502\160502038.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 April 28, 2016. There were twenty Waters 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 Waters 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, Caprolactam

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)
C11-01	11137	5.65	23.5	4.2	0.9
C11-02	11350	5.78	33.6	5.8	1.3
C11-03	4121-H	5.98	4.1**	0.7	0.1
C11-04	3363	6.45	36.6	5.7	1.2
C11-05	3320	7.23	32.6	4.5	1.0
C11-06	6300M	6.21	4.1**	0.7	0.1
C11-07	10344	5.41	27.8	5.1	1.1
C11-08	10151	5.53	30.1	5.4	1.2
C11-09	10146	5.33	29.4	5.5	1.2
C11-10	10366	5.55	27.0	4.9	1.1
C11-11	12441	5.75	31.1	5.4	1.2
C11-12	12414	5.87	28.8	4.9	1.1
C11-13	12351	5.67	33.6	5.9	1.3
C11-14	12144	5.59	24.7	4.4	1.0
C11-15	14414	5.82	28.4	4.9	1.1
C11-16	14364	5.58	35.2	6.3	1.4
C11-17	14246	5.12	26.1	5.1	1.1
C11-18	14112	6.13	45.3	7.4	1.6
C11-19	15322	5.96	59.2	9.9	2.1
C11-20	15248	5.79	45.6	7.9	1.7

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

**Mass is above MDL but below estimated LOQ.

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Results, Formaldehyde

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

Sample No.	Sample Name	Volume (L)	Measured Mass (ng)	Mass – Blank* (ng)	Conc (µg/m³)	Conc** (ppb)
F11-01	11137	53.56	471	431	8.0	6.6
F11-02	11350	55.42	378	338	6.1	5.0
F11-03	4121-H	56.50	395	355	6.3	5.1
F11-04	3363	60.37	553	513	8.5	6.9
F11-05	3320	69.17	407	367	5.3	4.3
F11-06	6300M	58.38	464	424	7.3	5.9
F11-07	10344	50.69	402	362	7.1	5.8
F11-08	10151	52.70	323	283	5.4	4.4
F11-09	10146	50.39	344	304	6.0	4.9
F11-10	10366	52.80	465	425	8.0	6.6
F11-11	12441	55.73	467	427	7.7	6.2
F11-12	12414	55.87	585	545	9.7	7.9
F11-13	12351	53.83	366	326	6.1	4.9
F11-14	12.144	53.78	423	383	7.1	5.8
F11-15	14414	54.61	486	446	8.2	6.7
F11-16	14364	52.54	512	472	9.0	7.3
F11-17	14246	49.29	393	353	7.2	5.8
F11-18	14112	57.84	466	426	7.4	6.0
F11-19	15322	56.05	574	534	9.5	7.8
F11-20	15248	55.41	642	602	10.9	8.9

*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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CHAIN-OF-CUSTODY RECORD
for ANALYTICAL SERVICES
2009 Update

Client Information*			
Company:	US EPA		
Street Address:	75 Hawthorne St.		
City/State/Zip Code:	San Francisco, CA		
Country:		Contact (for reporting):	
Project/Job Name:	75 HAWTHORNE IAQ		
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
	C11-01	4/26/16	59	5.65	11137 d.	GC/MS -	Caprolactam
	C11-02		61	5.78	11350		
	C11-03		61	5.98	4121-H		
	C11-04		67	6.45	3363		
	C11-05		76	7.23	3320		
	C11-06		63	6.21	6300M		
	C11-07		56	5.41	10344		
	C11-08		58	5.53	10151		
	C11-09		54	5.33	10146		
	C11-10		58	5.55	10366		

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
J. Woodlee			4/28/16	USEPA
	R Hill		4/28/16	BAA

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City/State/Zip Code:	
Country:	Contact (for reporting):
Project/Job Name:	
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
	C11-11	4/27/16	61	5.75	12441	d. CCfMS	Caprolactem
	C11-12		60	5.87	12414		
	C11-13		59	5.67	12351		
	C11-14		59	5.59	12144		
	C11-15		59	5.82	14414		
	C11-16		58	5.58	14364		
	C11-17		54	5.12	14246		
	C11-18		62	6.13	14112		
	C11-19		62	5.96	15322		
	C11-20		61	5.79	15248		

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
Jeff Woodee			4/28/16	USEPA
	RGill		4/28/16	BKA

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Project/Job #:	P.O. #:
Phone:	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
	F11-01	4/26/16	59	53.56	11137	f	
	F11-02	↓	61	55.42	11350	↓	
	F11-03	↓	61	56.50	4121-H	↓	
	F11-04	↓	67	60.37	3363	↓	
	F11-05	↓	76	69.17	3320	↓	
	F11-06	↓	63	58.38	6300M	↓	
	F11-07	↓	56	50.69	10344	↓	
	F11-08	↓	58	52.70	10151	↓	
	F11-09	↓	54	50.39	10146	↓	
	F11-10	↓	58	52.80	10366	↓	

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
Jeff Woodlee			4/28/16	US EPA
	R Gill		4/28/16	BAA

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Project/Job Name:	
Project/Job #:	P.O. #:
Phone:	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
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Qualitative GC/MS plus quantitation of up to 15 individual VOCs	c
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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
	F11-11	4/27/16	61	55.73	12441	f	
	F11-12	↓	60	55.87	12414	↓	
	F11-13	↓	59	53.83	12351	↓	
	F11-14	↓	59	53.78	12144	↓	
	F11-15	↓	59	54.61	14414	↓	
	F11-16	↓	58	52.54	14364	↓	
	F11-17	↓	54	49.29	14246	↓	
	F11-18	↓	62	57.84	14112	↓	
	F11-19	↓	62	56.05	15322	↓	
	F11-20	↓	61	55.41	15248	↓	

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
Jeff Woodlee			4/28/16	USEPA
	RGill		4/28/16	BKA

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

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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
242491	C11-01	4/26/16	59	5.65	11137 d.	GC/MS -	Caprolactam
242481	C11-02		61	5.78	11350		
242453	C11-03		61	5.98	4121-H		
203103	C11-04		67	6.45	3363		
M51152	C11-05		76	7.23	3320		
203169	C11-06		63	6.21	6300M		
M51175	C11-07		56	5.41	10344		
M59957	C11-08		58	5.53	10151		
M53213	C11-09		54	5.33	10146		
M58840	C11-10		58	5.55	10366		

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
J. Woodlee			4/28/16	USEPA

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Berkeley Analytical Associates, LLC
815 Harbour Way South, Suite 6
Richmond, CA 94804-3612
Phone: 510-236-2325 Fax: 510-236-2335
e-mail: baalab@berkeleyanalytical.com

CHAIN-OF-CUSTODY RECORD for ANALYTICAL SERVICES

2009 Update

Client Information*	
Company: US EPA	
Street Address:	
City/State/Zip Code:	
Country:	Contact (for reporting):
Project/Job Name:	
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 193208	C11-11	4/27/16	61	5.75	12441	d. CC/MS	Caprolactem
Mi 59921	C11-12		60	5.87	12414		
Mi 59922	C11-13		59	5.67	12351		
203199	C11-14		59	5.59	12144		
Mi 193248	C11-15		59	5.82	14414		
~~Mi 24~~ 242472	C11-16		58	5.58	14364		
242462	C11-17		54	5.12	14246		
242439	C11-18		62	6.13	14112		
Mi 51119	C11-19		62	5.96	15322		
203172	C11-20		61	5.79	15248		

Sample(s) Handling

Relinquished By	Received By	Signature	Date	Company
Jeff Woodke		J	4/28/16	USEPA

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HCHO\JC061-032_EPA.XLS
Created 5/03/16, rgill

US EPA
Formaldehyde Analysis
Sequence 160502
Method FORMALDEHYDE.M

40 Typical cartridge blank

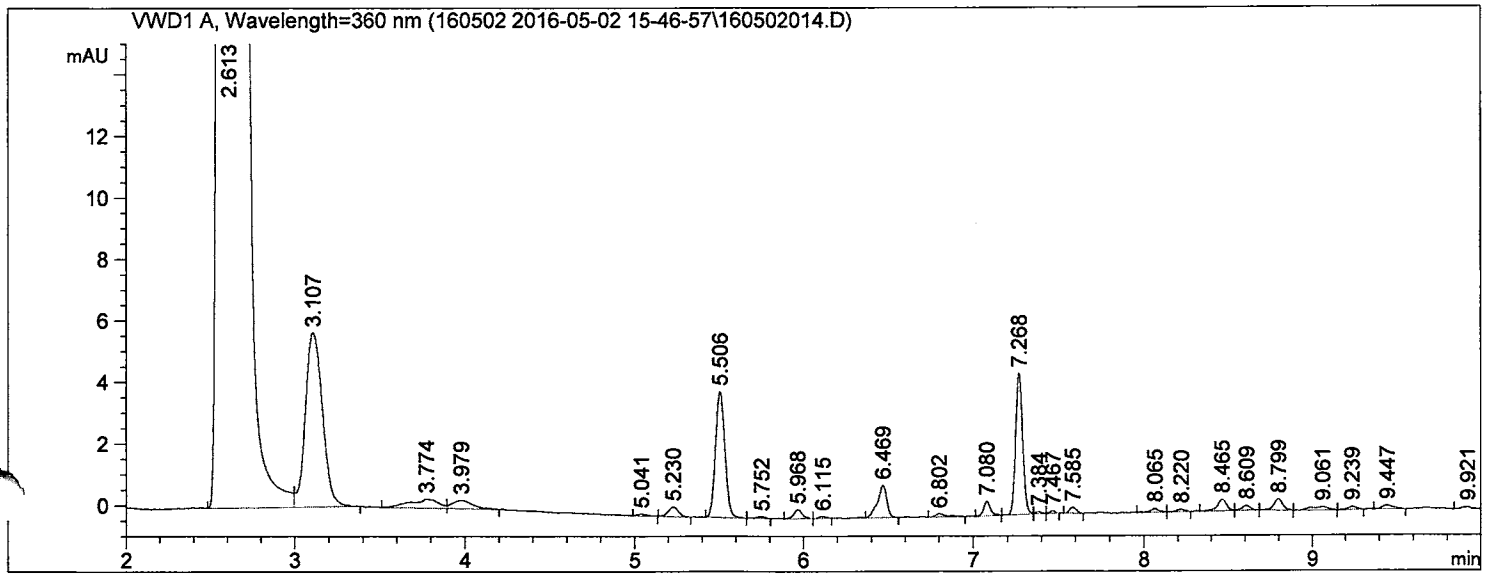
File	Sample ID	Rt min	Meas Conc ng/ul	Meas Mass ng	Mass -Blnk ng	Volume L	Conc ng/L	Conc ppbv
160502\160502014.D	F11-01	5.506		471	431	53.56	8.0	6.6
160502\160502015.D	F11-02	5.506		378	338	55.42	6.1	5.0
160502\160502016.D	F11-03	5.508		395	355	56.50	6.3	5.1
160502\160502018.D	F11-04	5.510		553	513	60.37	8.5	6.9
160502\160502019.D	F11-05	5.509		407	367	69.17	5.3	4.3
160502\160502021.D	F11-06	5.512		464	424	58.38	7.3	5.9
160502\160502022.D	F11-07	5.510		402	362	50.69	7.1	5.8
160502\160502023.D	F11-08	5.510		323	283	52.7	5.4	4.4
160502\160502024.D	F11-09	5.511		344	304	50.39	6.0	4.9
160502\160502025.D	F11-10	5.514		465	425	52.8	8.0	6.6
160502\160502027.D	F11-11	5.510		467	427	55.73	7.7	6.2
160502\160502028.D	F11-12	5.512		585	545	55.87	9.7	7.9
160502\160502029.D	F11-13	5.511		366	326	53.83	6.1	4.9
160502\160502030.D	F11-14	5.510		423	383	53.78	7.1	5.8
160502\160502031.D	F11-15	5.514		486	446	54.61	8.2	6.7
160502\160502033.D	F11-16	5.511		512	472	52.54	9.0	7.3
160502\160502034.D	F11-17	5.513		393	353	49.29	7.2	5.8
160502\160502035.D	F11-18	5.514		466	426	57.84	7.4	6.0
160502\160502037.D	F11-19	5.512		574	534	56.05	9.5	7.8
160502\160502038.D	F11-20	5.513		642	602	55.41	10.9	8.9

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502014.D
Sample Name: 061-032-21

==========

Acq. Operator : SYSTEM
Seq. Line : 13
Acq. Instrument : Agilent 1260
Location : Vial 13
Injection Date : 5/2/2016 7:24:23 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-01 Collected 4/26/2016; 11137; 53.56L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.506	1	BB	15.82020	1.48779e-2	470.74402		Formaldehyde;50-00-0
6.469	1	BB	4.05549	1.97410e-2	160.11888		Acetaldehyde;75-07-0

Totals : 630.86290

==========

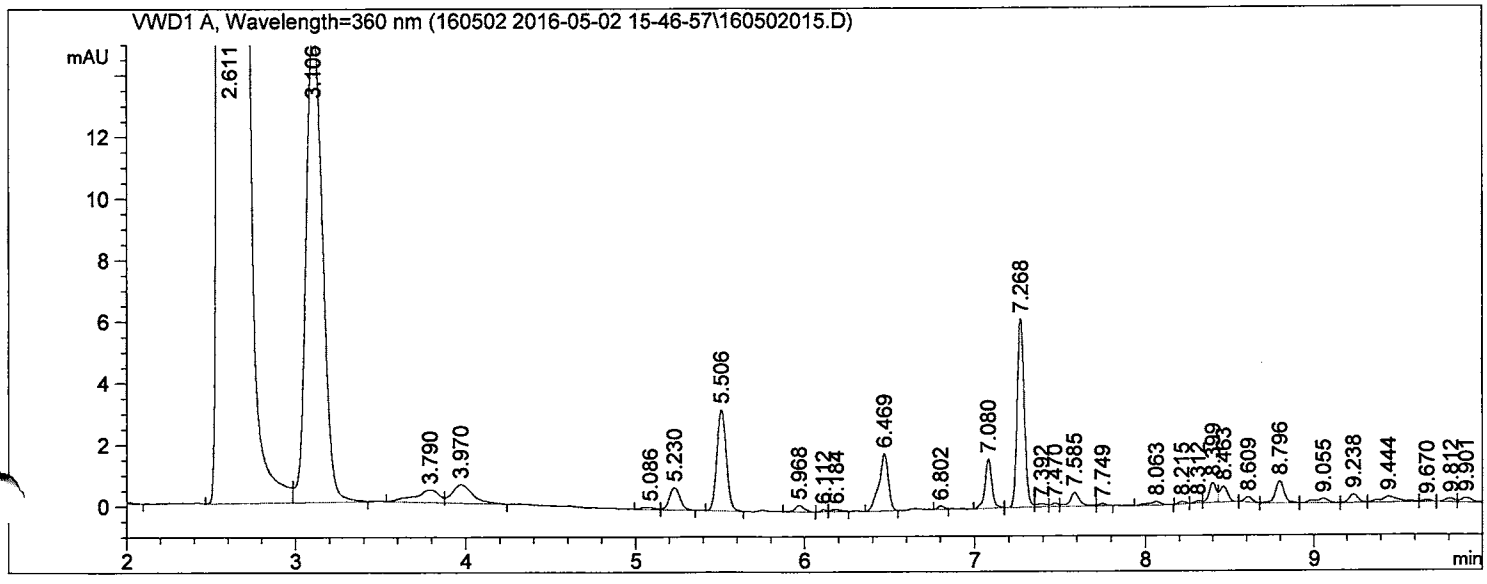
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502015.D
Sample Name: 061-032-22

==========

Acq. Operator : SYSTEM Seq. Line : 14
Acq. Instrument : Agilent 1260 Location : Vial 14
Injection Date : 5/2/2016 7:41:05 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-02 Collected 4/26/2016; 11350 55.42L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.506	1	BB	12.70043	1.48779e-2	377.91239		Formaldehyde;50-00-0
6.469	1	BB	7.20797	1.97410e-2	284.58482		Acetaldehyde;75-07-0

Totals : 662.49721

==========

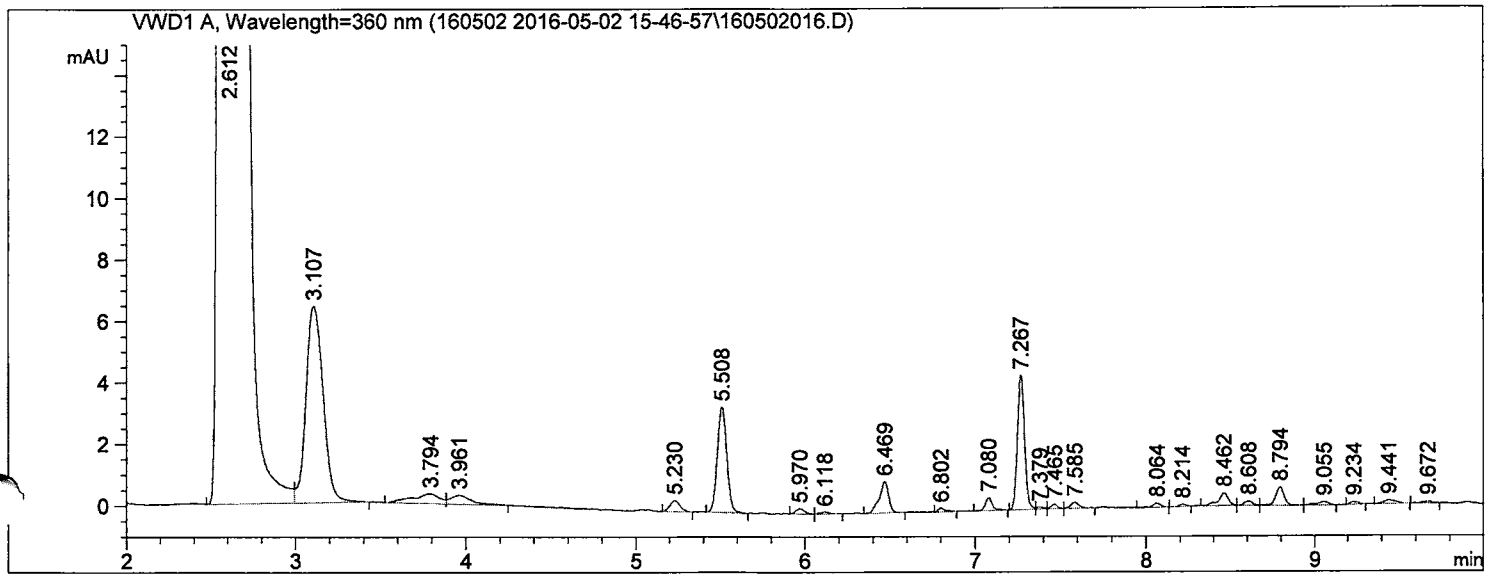
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502016.D
Sample Name: 061-032-23

==========

Acq. Operator : SYSTEM Seq. Line : 15
Acq. Instrument : Agilent 1260 Location : Vial 15
Injection Date : 5/2/2016 7:57:44 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-03 Collected 4/26/2016; 4121.H; 56.5L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.508	1	BB	13.26226	1.48779e-2	394.63012		Formaldehyde;50-00-0
6.469	1	BB	3.90515	1.97410e-2	154.18290		Acetaldehyde;75-07-0

Totals : 548.81302

==========

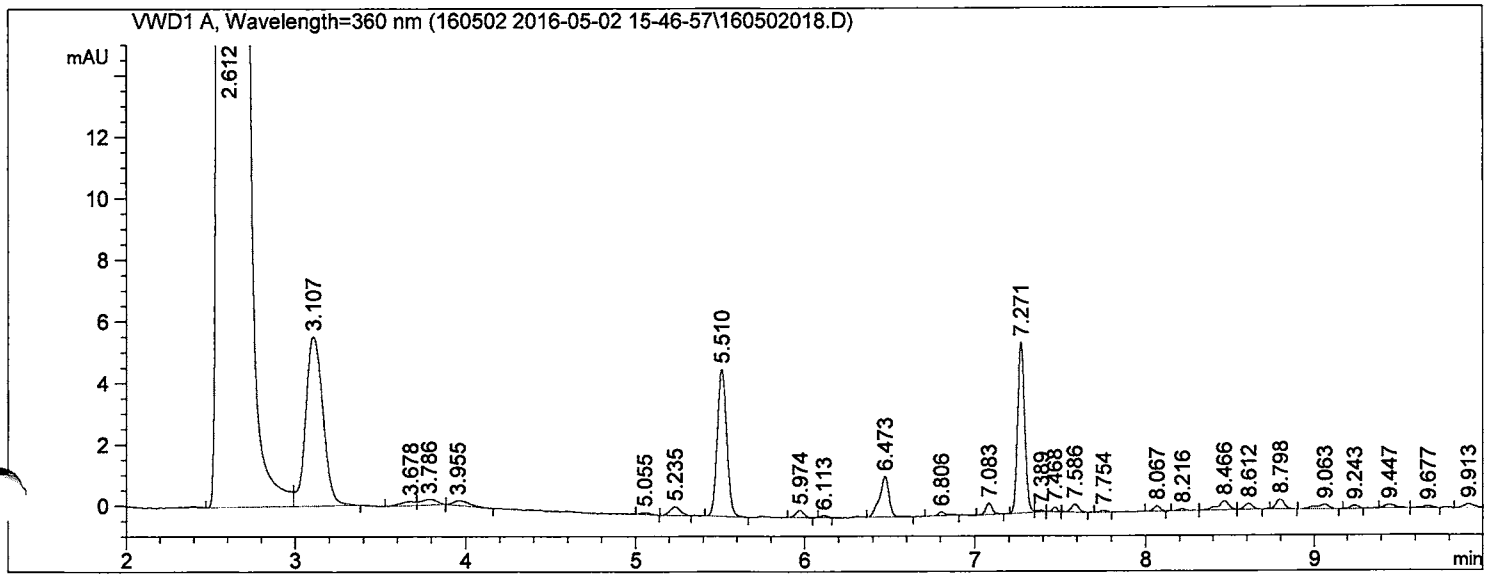
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502018.D
Sample Name: 061-032-24

==========

Acq. Operator : SYSTEM Seq. Line : 17
Acq. Instrument : Agilent 1260 Location : Vial 16
Injection Date : 5/2/2016 8:31:05 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-04 Collected 4/26/2016; 3363; 60.37L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.510	1	BB	18.59976	1.48779e-2	553.45212		Formaldehyde;50-00-0
6.473	1	BB	5.16104	1.97410e-2	203.76812		Acetaldehyde;75-07-0

Totals : 757.22024

==========

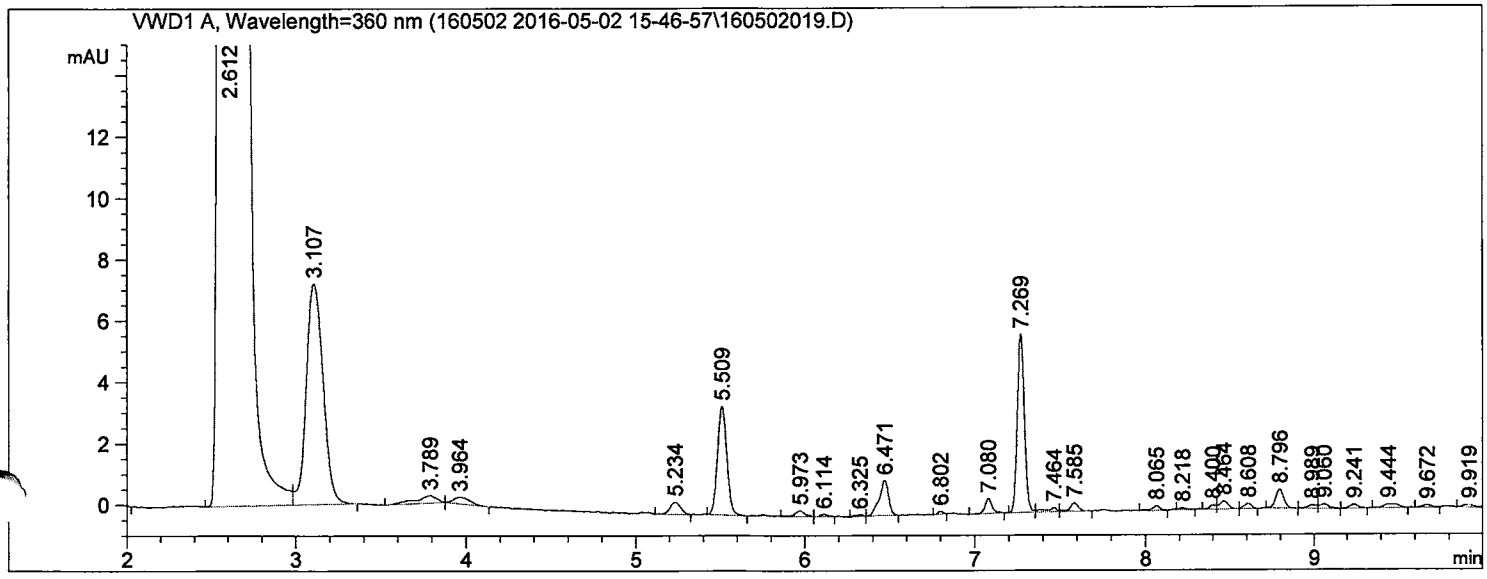
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502019.D
Sample Name: 061-032-25

==========

Acq. Operator : SYSTEM Seq. Line : 18
Acq. Instrument : Agilent 1260 Location : Vial 17
Injection Date : 5/2/2016 8:47:46 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-05 Collected 4/26/2016; 3320; 69.17L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.509	1	BB	13.67496	1.48779e-2	406.91028		Formaldehyde;50-00-0
6.471	1	BB	4.33298	1.97410e-2	171.07470		Acetaldehyde;75-07-0

Totals : 577.98498

==========

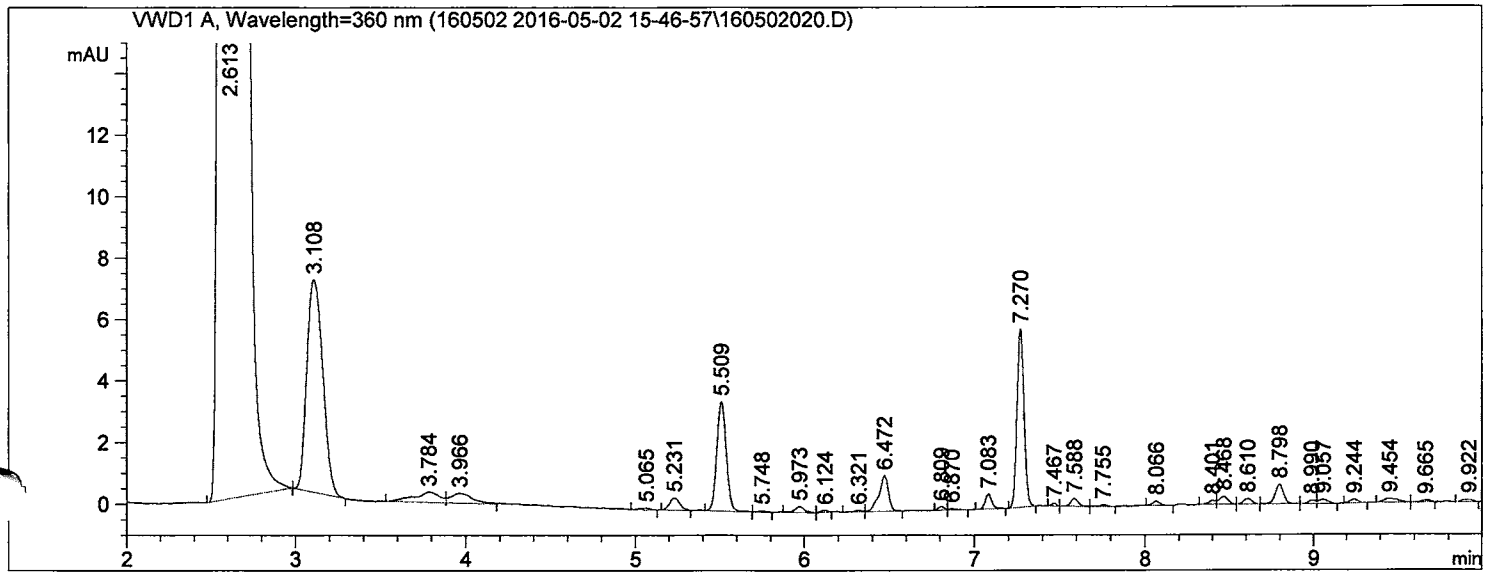
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502020.D
Sample Name: 061-032-25

==========

Acq. Operator : SYSTEM Seq. Line : 18
Acq. Instrument : Agilent 1260 Location : Vial 17
Injection Date : 5/2/2016 9:04:25 PM Inj : 2
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-05 Collected 4/26/2016; 3320; 69.17L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.509	1	BB	13.81022	1.48779e-2	410.93527		Formaldehyde;50-00-0
6.472	1	VB	4.53181	1.97410e-2	178.92493		Acetaldehyde;75-07-0

Totals : 589.86020

==========

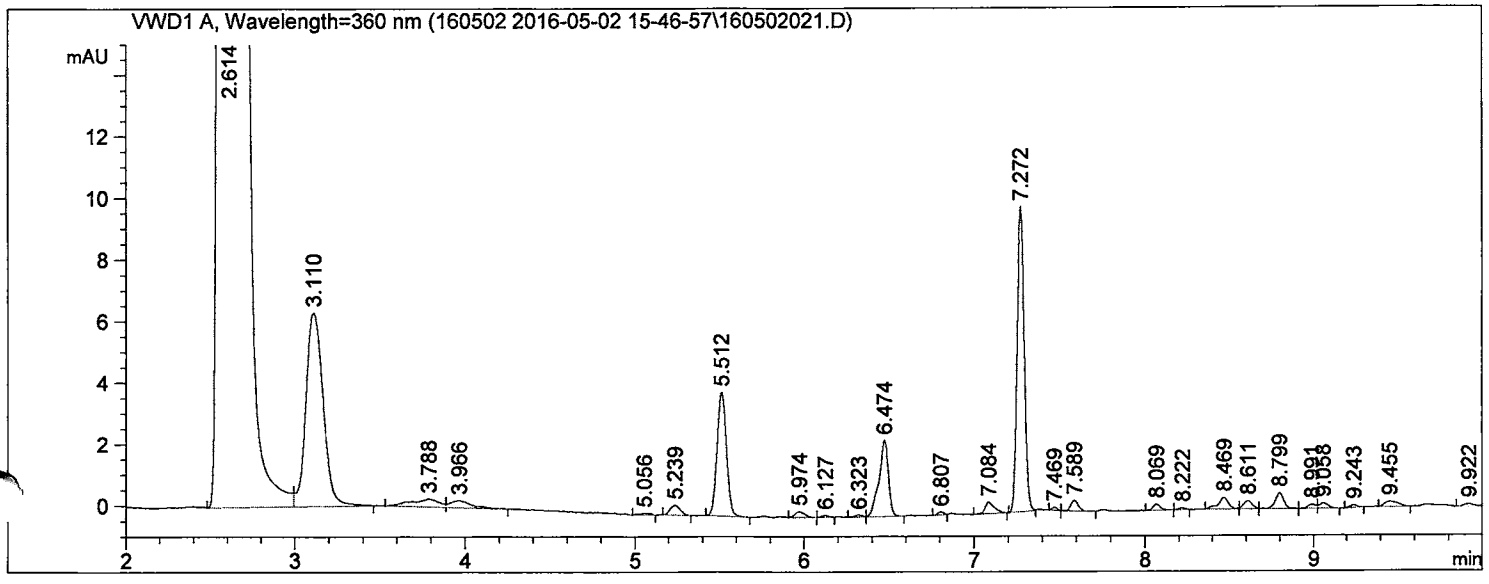
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502021.D
Sample Name: 061-032-26

==========

Acq. Operator : SYSTEM Seq. Line : 19
Acq. Instrument : Agilent 1260 Location : Vial 18
Injection Date : 5/2/2016 9:21:05 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-06 Collected 4/26/2016; 6300M; 58.38L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.512	1	BB	15.58493	1.48779e-2	463.74323		Formaldehyde;50-00-0
6.474	1	VB	9.51170	1.97410e-2	375.54079		Acetaldehyde;75-07-0

Totals : 839.28402

==========

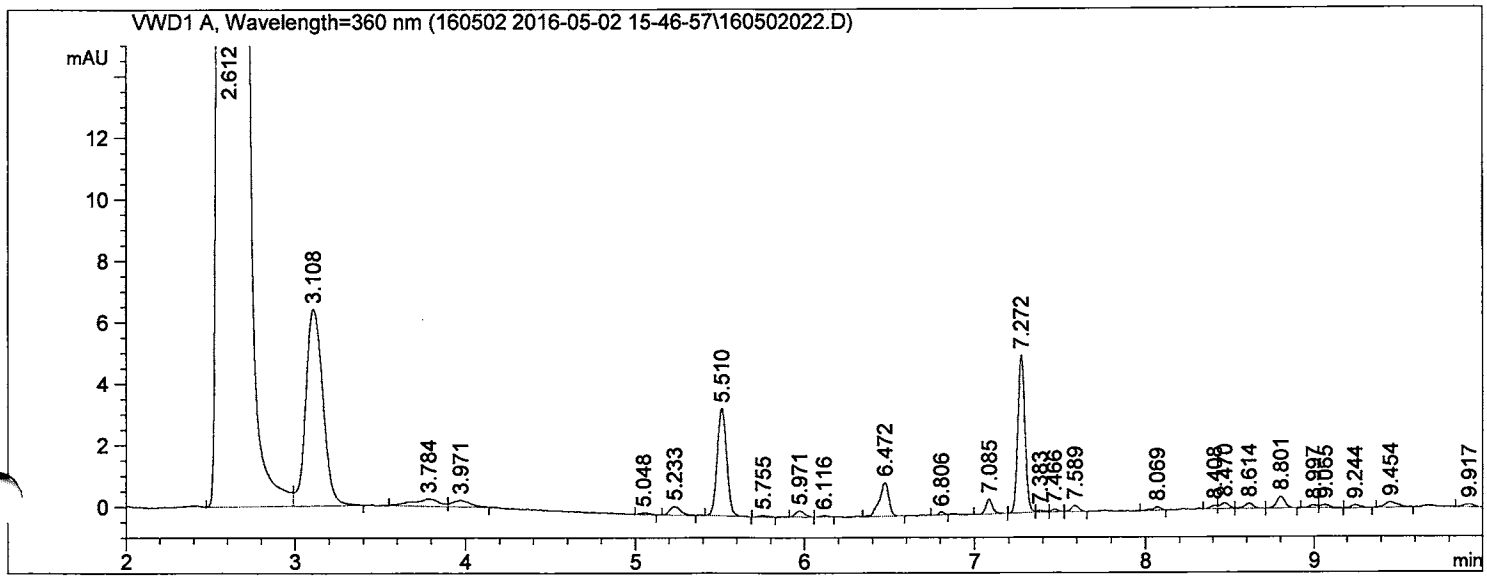
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502022.D
Sample Name: 061-032-27

==========

Acq. Operator : SYSTEM
Seq. Line : 20
Acq. Instrument : Agilent 1260
Location : Vial 19
Injection Date : 5/2/2016 9:37:47 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-07 Collected 4/26/2016; 10344; 50.69L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.510	1	BB	13.52036	1.48779e-2	402.31013		Formaldehyde;50-00-0
6.472	1	BB	4.28311	1.97410e-2	169.10579		Acetaldehyde;75-07-0

Totals : 571.41592

==========

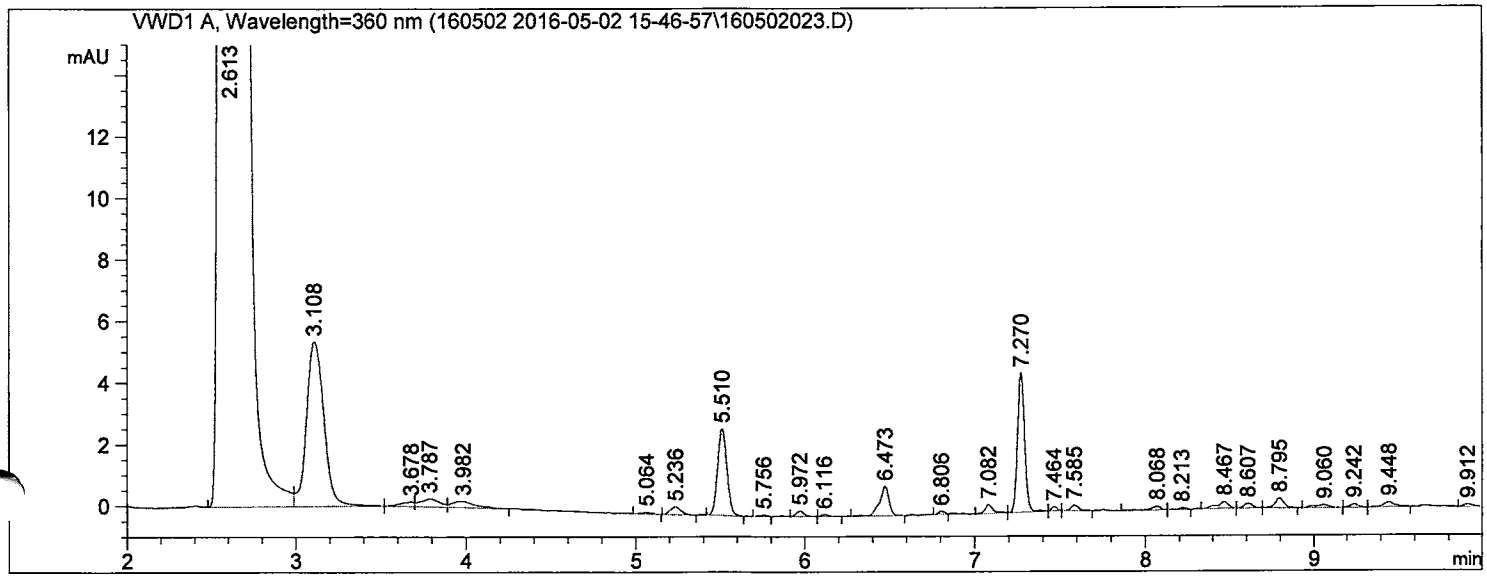
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502023.D
Sample Name: 061-032-28

==========

Acq. Operator : SYSTEM
Seq. Line : 21
Acq. Instrument : Agilent 1260
Location : Vial 20
Injection Date : 5/2/2016 9:54:31 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-08 Collected 4/26/2016; 10151; 52.7L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.510	1	BB	10.85123	1.48779e-2	322.88777		Formaldehyde;50-00-0
6.473	1	BB	3.74362	1.97410e-2	147.80564		Acetaldehyde;75-07-0

Totals : 470.69341

==========

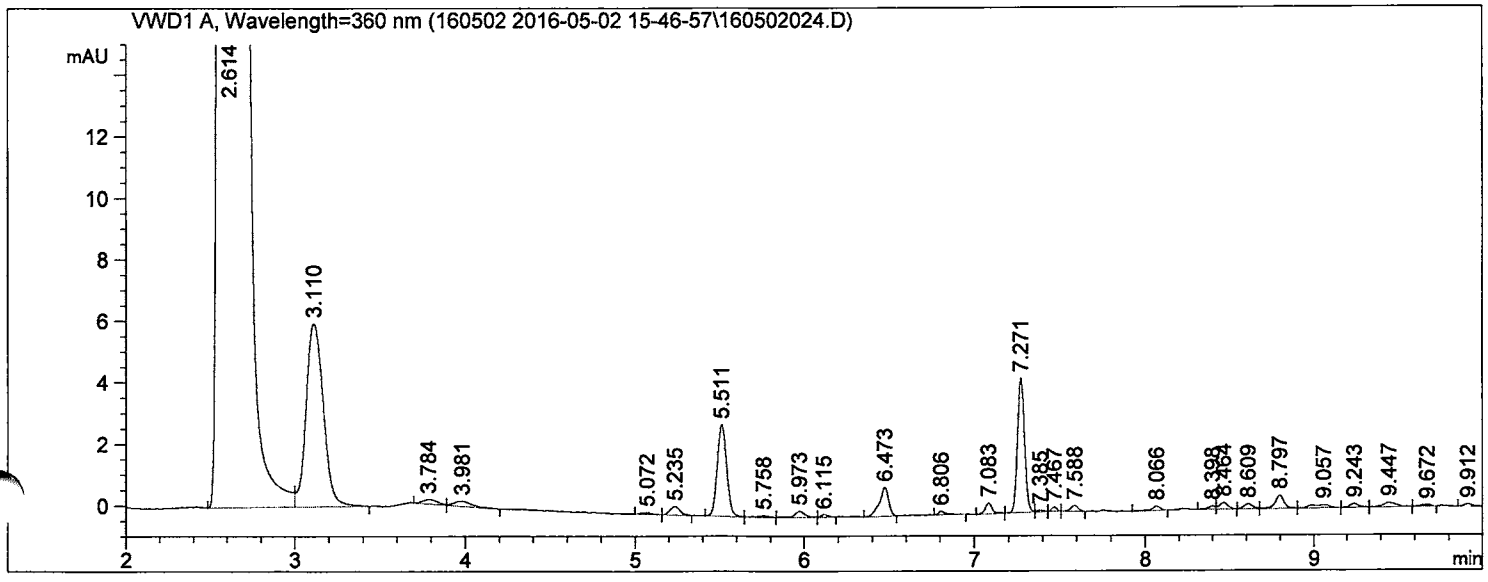
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502024.D
Sample Name: 061-032-29

==========

Acq. Operator : SYSTEM Seq. Line : 22
Acq. Instrument : Agilent 1260 Location : Vial 21
Injection Date : 5/2/2016 10:11:13 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-09 Collected 4/26/2016; 10146; 50.39L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.511	1	BB	11.55029	1.48779e-2	343.68912		Formaldehyde;50-00-0
6.473	1	BB	3.55273	1.97410e-2	140.26878		Acetaldehyde;75-07-0

Totals : 483.95790

==========

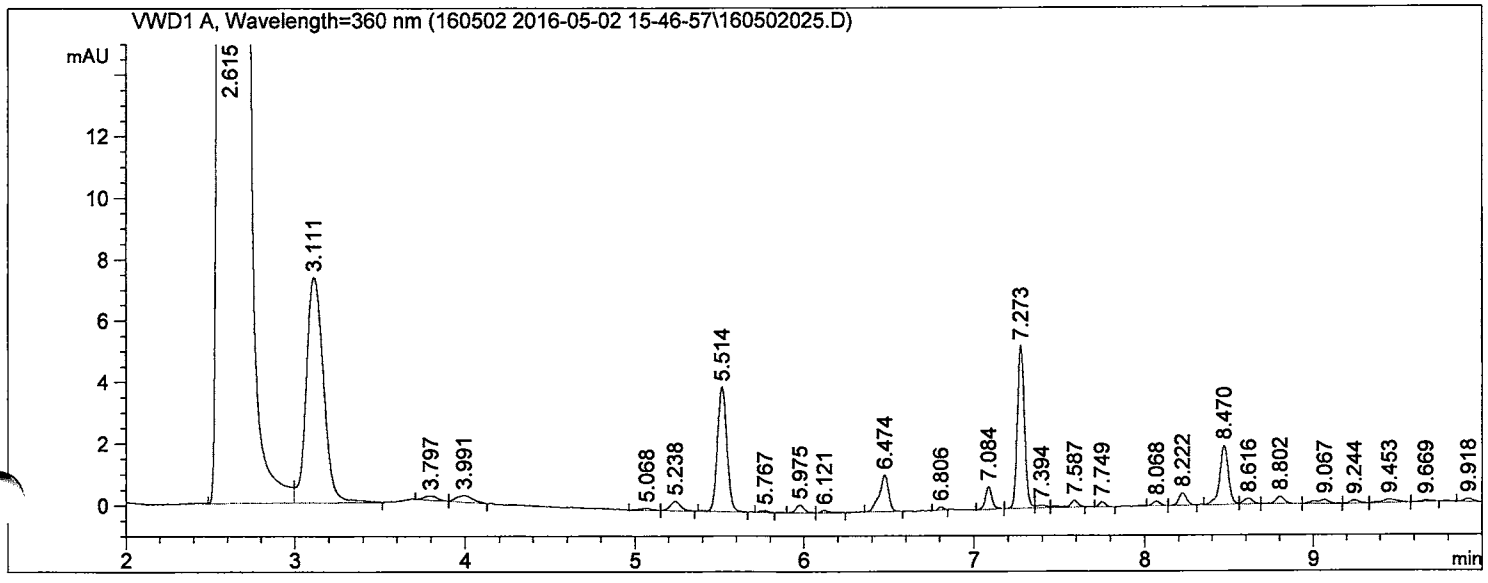
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502025.D
Sample Name: 061-032-30

==========

Acq. Operator : SYSTEM Seq. Line : 23
Acq. Instrument : Agilent 1260 Location : Vial 22
Injection Date : 5/2/2016 10:27:52 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-10 Collected 4/26/2016; 10366; 52.8L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.514	1	BB	15.61313	1.48779e-2	464.58240		Formaldehyde;50-00-0
6.474	1	BB	4.49758	1.97410e-2	177.57351		Acetaldehyde;75-07-0

Totals : 642.15591

==========

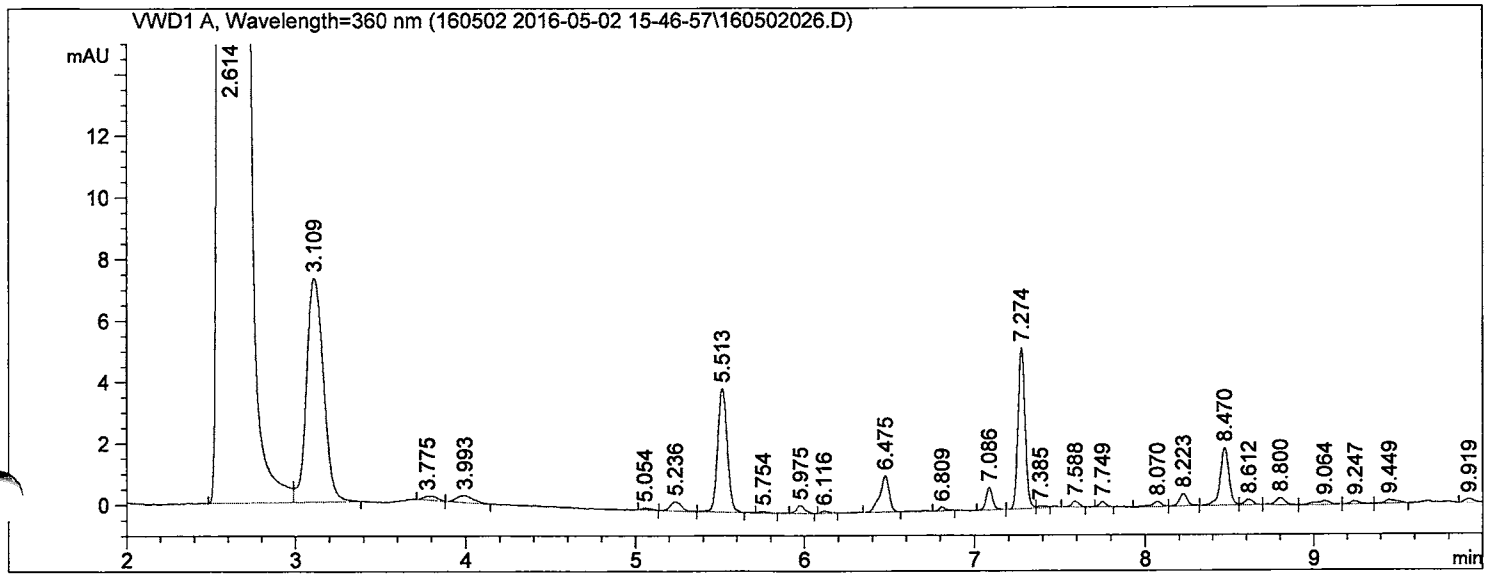
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502026.D
Sample Name: 061-032-30

==========

Acq. Operator : SYSTEM
Seq. Line : 23
Acq. Instrument : Agilent 1260
Location : Vial 22
Injection Date : 5/2/2016 10:44:31 PM
Inj : 2
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-10 Collected 4/26/2016; 10366; 52.8L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.513	1	BB	15.72477	1.48779e-2	467.90415		Formaldehyde;50-00-0
6.475	1	BB	4.53574	1.97410e-2	179.07991		Acetaldehyde;75-07-0

Totals : 646.98406

==========

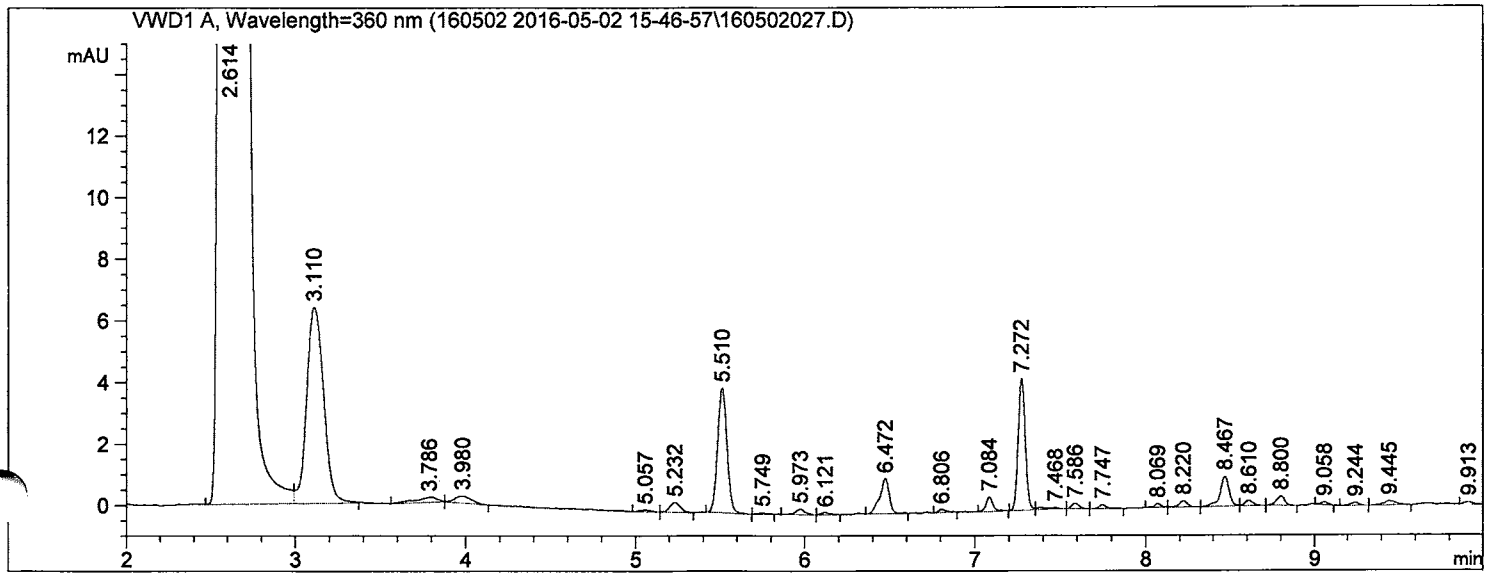
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502027.D
Sample Name: 061-032-31

==========

Acq. Operator : SYSTEM Seq. Line : 24
Acq. Instrument : Agilent 1260 Location : Vial 23
Injection Date : 5/2/2016 11:01:11 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-11 Collected 4/26/2016; 12441; 55.73L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.510	1	BB	15.67845	1.48779e-2	466.52592		Formaldehyde;50-00-0
6.472	1	BB	4.48436	1.97410e-2	177.05124		Acetaldehyde;75-07-0

Totals : 643.57716

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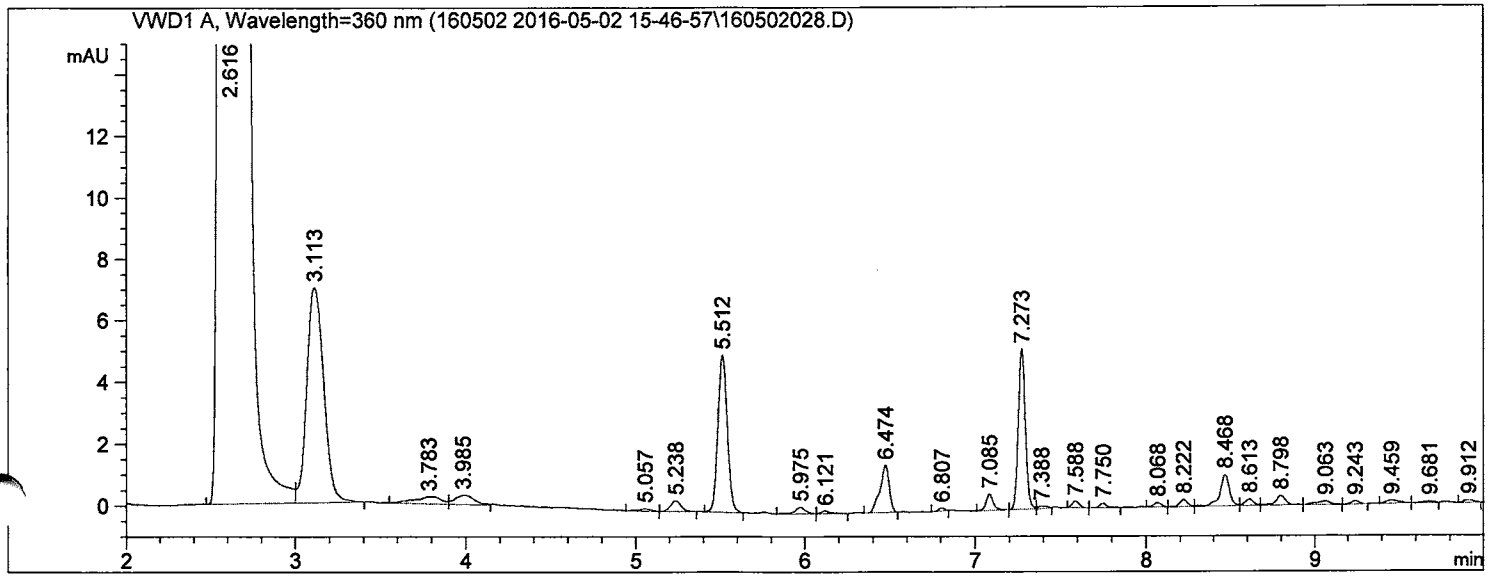
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502028.D
Sample Name: 061-032-32

==========

Acq. Operator : SYSTEM Seq. Line : 25
Acq. Instrument : Agilent 1260 Location : Vial 24
Injection Date : 5/2/2016 11:17:51 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-12 Collected 4/26/2016; 12414; 55.87L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.512	1	BV	19.65032	1.48779e-2	584.71251		Formaldehyde;50-00-0
6.474	1	BB	5.78341	1.97410e-2	228.34061		Acetaldehyde;75-07-0

Totals : 813.05311

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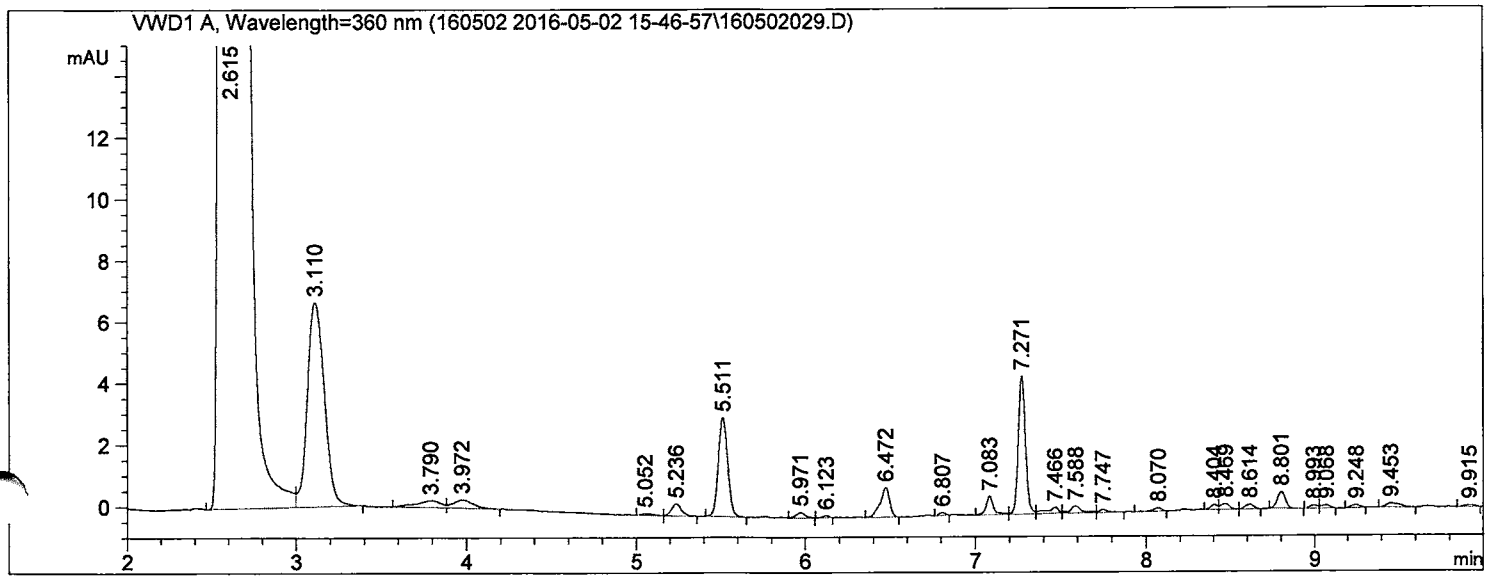
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502029.D
Sample Name: 061-032-33

==========

Acq. Operator : SYSTEM
Seq. Line : 26
Acq. Instrument : Agilent 1260
Location : Vial 25
Injection Date : 5/2/2016 11:34:33 PM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-13 Collected 4/26/2016; 12351; 53.83L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.511	1	BB	12.29837	1.48779e-2	365.94882		Formaldehyde;50-00-0
6.472	1	BB	3.69758	1.97410e-2	145.98782		Acetaldehyde;75-07-0

Totals : 511.93664

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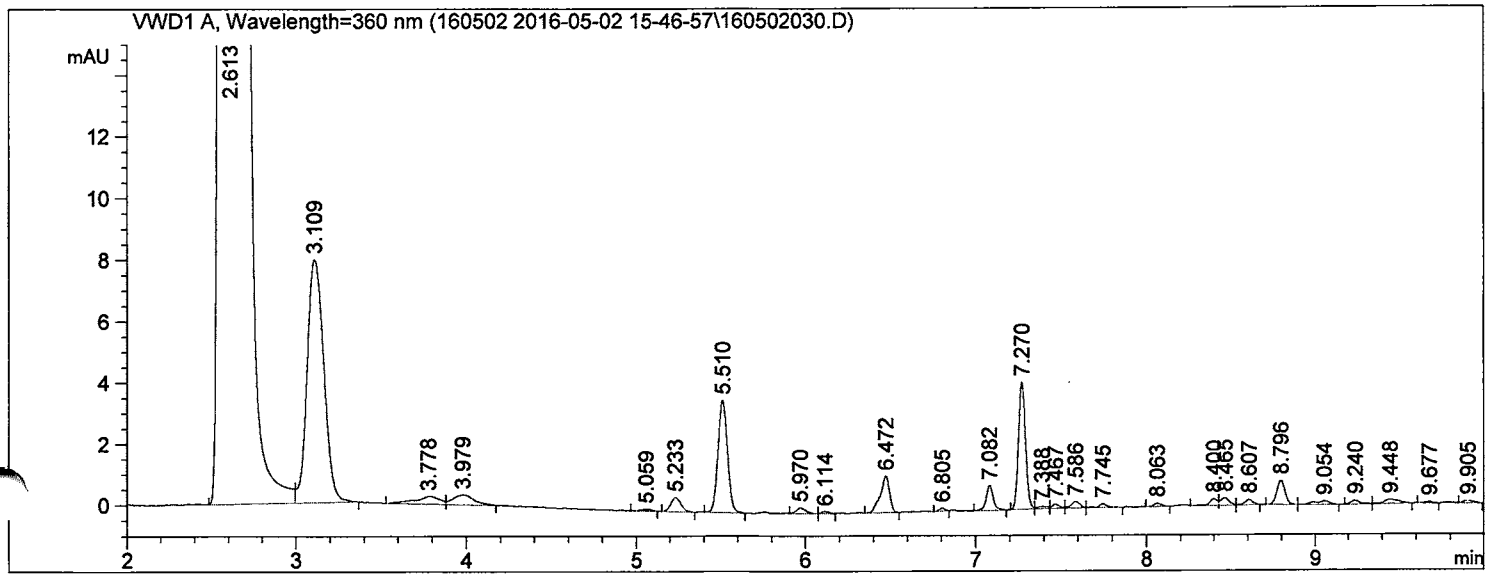
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502030.D
Sample Name: 061-032-34

==========

Acq. Operator : SYSTEM Seq. Line : 27
Acq. Instrument : Agilent 1260 Location : Vial 26
Injection Date : 5/2/2016 11:51:13 PM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-14 Collected 4/26/2016; 12144; 53.78L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.510	1	BB	14.22690	1.48779e-2	423.33388		Formaldehyde;50-00-0
6.472	1	BB	4.56465	1.97410e-2	180.22130		Acetaldehyde;75-07-0

Totals : 603.55518

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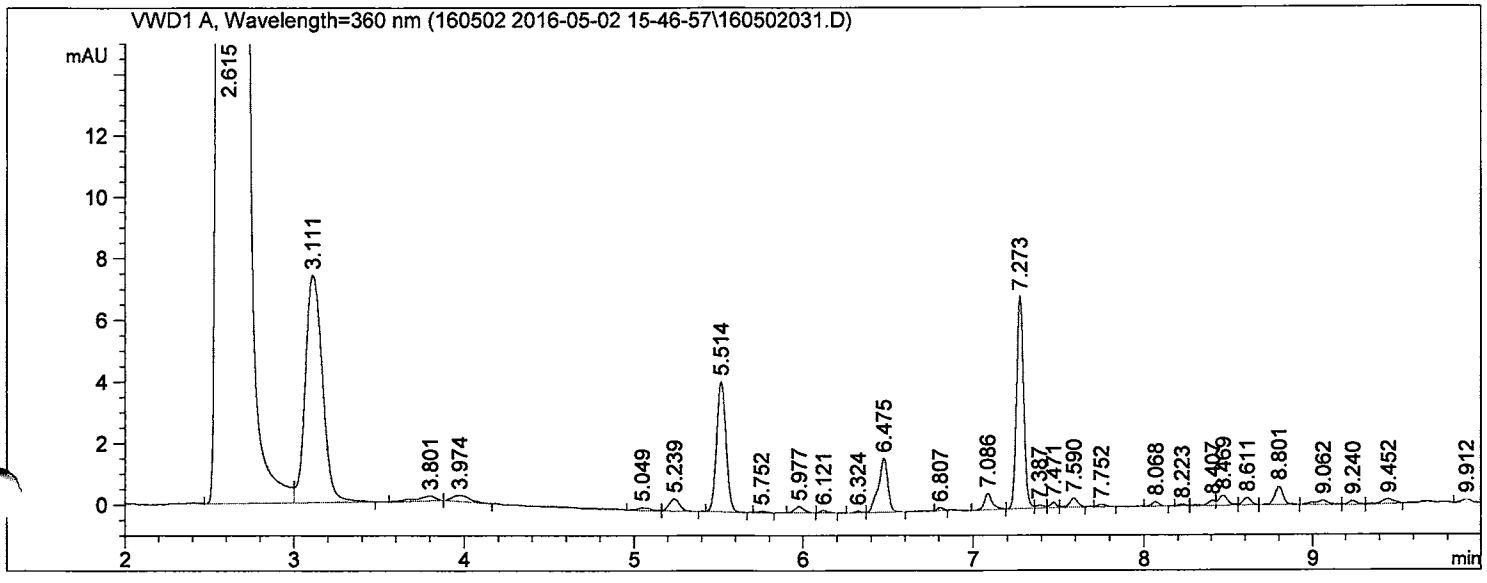
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502031.D
Sample Name: 061-032-35

==========

Acq. Operator : SYSTEM Seq. Line : 28
Acq. Instrument : Agilent 1260 Location : Vial 27
Injection Date : 5/3/2016 12:07:52 AM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-15 Collected 4/26/2016; 14414; 54.61L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.514	1	BB	16.33782	1.48779e-2	486.14612		Formaldehyde;50-00-0
6.475	1	VB	6.84485	1.97410e-2	270.24815		Acetaldehyde;75-07-0

Totals : 756.39427

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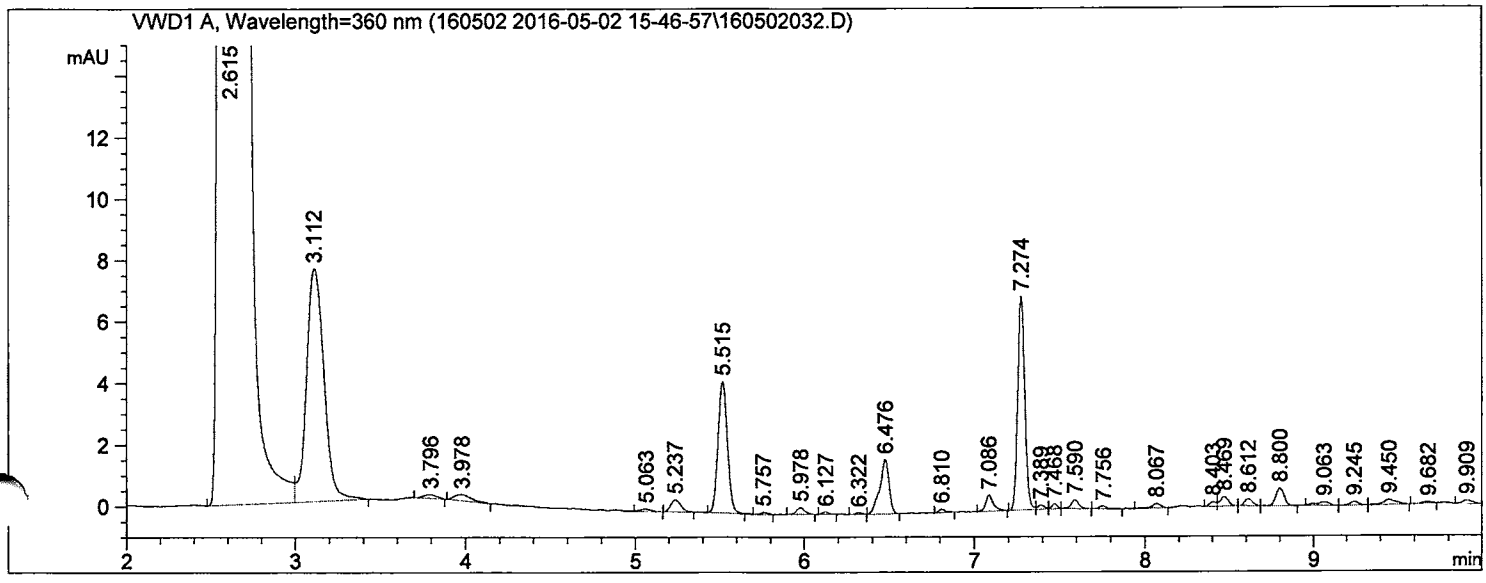
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502032.D
Sample Name: 061-032-35

==========

Acq. Operator : SYSTEM Seq. Line : 28
Acq. Instrument : Agilent 1260 Location : Vial 27
Injection Date : 5/3/2016 12:24:32 AM Inj : 2
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-15 Collected 4/26/2016; 14414; 54.61L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.515	1	BB	16.33624	1.48779e-2	486.09907		Formaldehyde;50-00-0
6.476	1	BB	6.69347	1.97410e-2	264.27148		Acetaldehyde;75-07-0

Totals : 750.37055

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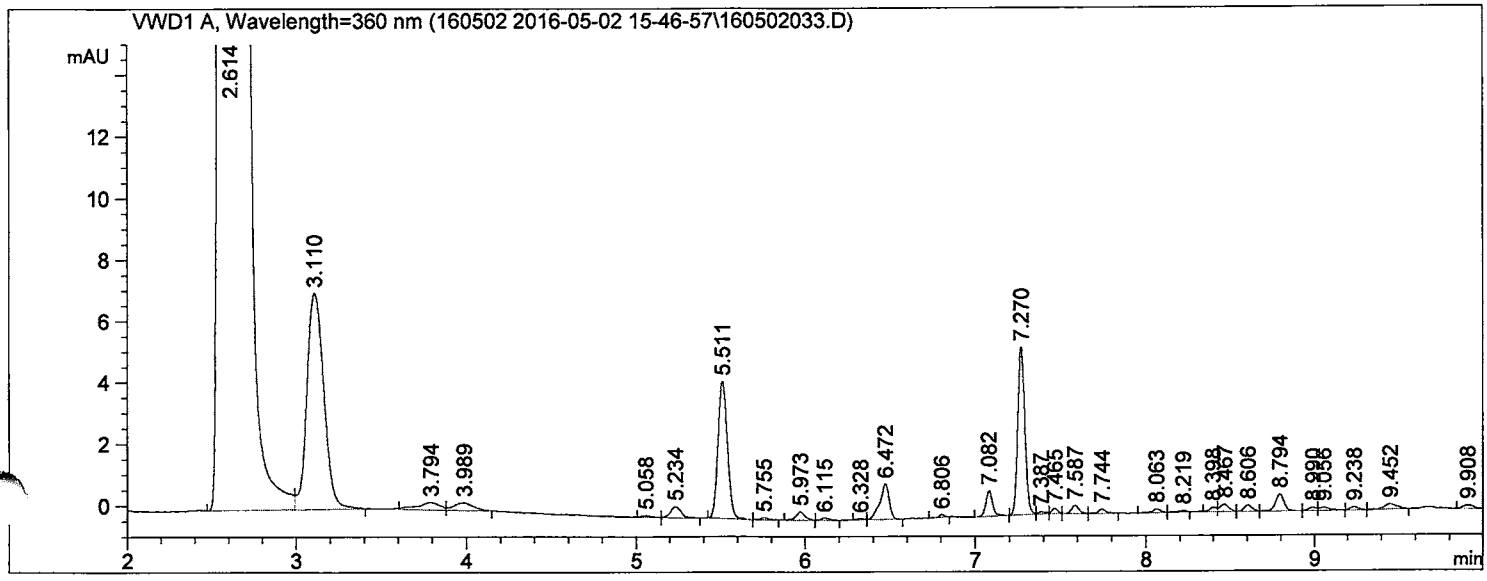
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502033.D
Sample Name: 061-032-36

==========

Acq. Operator : SYSTEM Seq. Line : 29
Acq. Instrument : Agilent 1260 Location : Vial 28
Injection Date : 5/3/2016 12:41:13 AM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-16 Collected 4/26/2016; 14364; 52.54L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.511	1	BB	17.19096	1.48779e-2	511.53215		Formaldehyde;50-00-0
6.472	1	VB	4.43998	1.97410e-2	175.29912		Acetaldehyde;75-07-0

Totals : 686.83127

==========

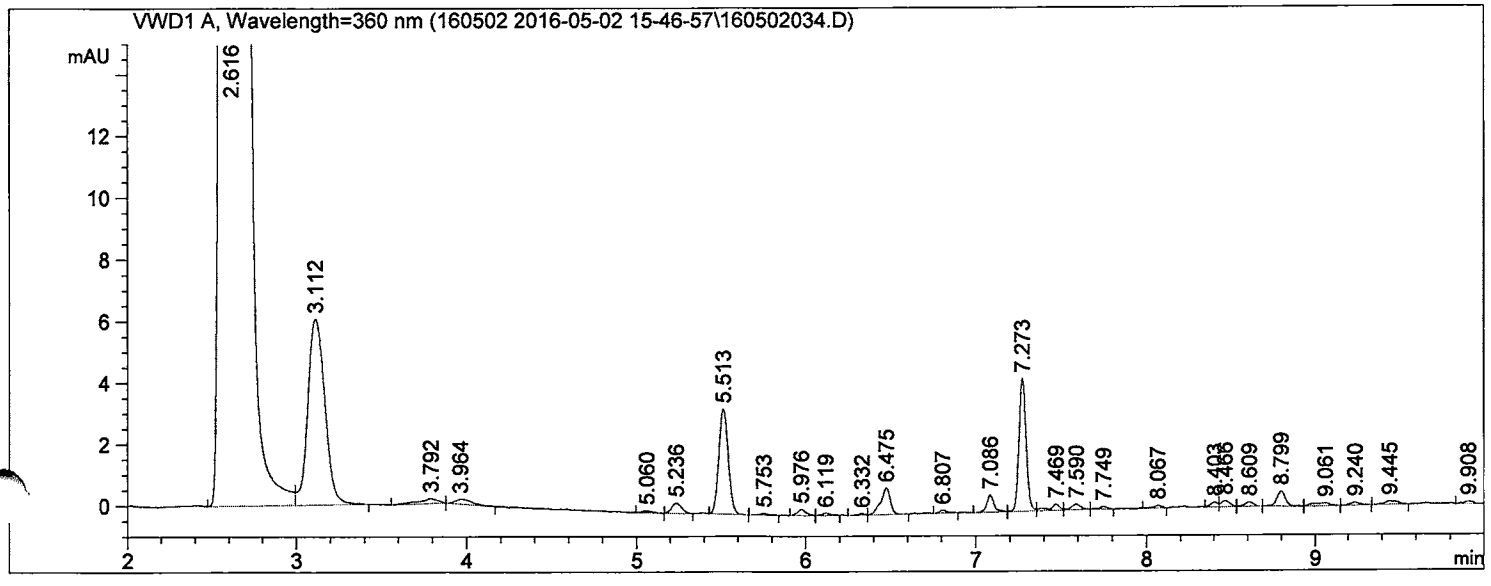
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502034.D
Sample Name: 061-032-37

==========

Acq. Operator : SYSTEM Seq. Line : 30
Acq. Instrument : Agilent 1260 Location : Vial 29
Injection Date : 5/3/2016 12:57:53 AM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-17 Collected 4/26/2016; 14246; 49.29L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.513	1	BB	13.21058	1.48779e-2	393.09244		Formaldehyde;50-00-0
6.475	1	VB	3.42179	1.97410e-2	135.09908		Acetaldehyde;75-07-0

Totals : 528.19152

==========

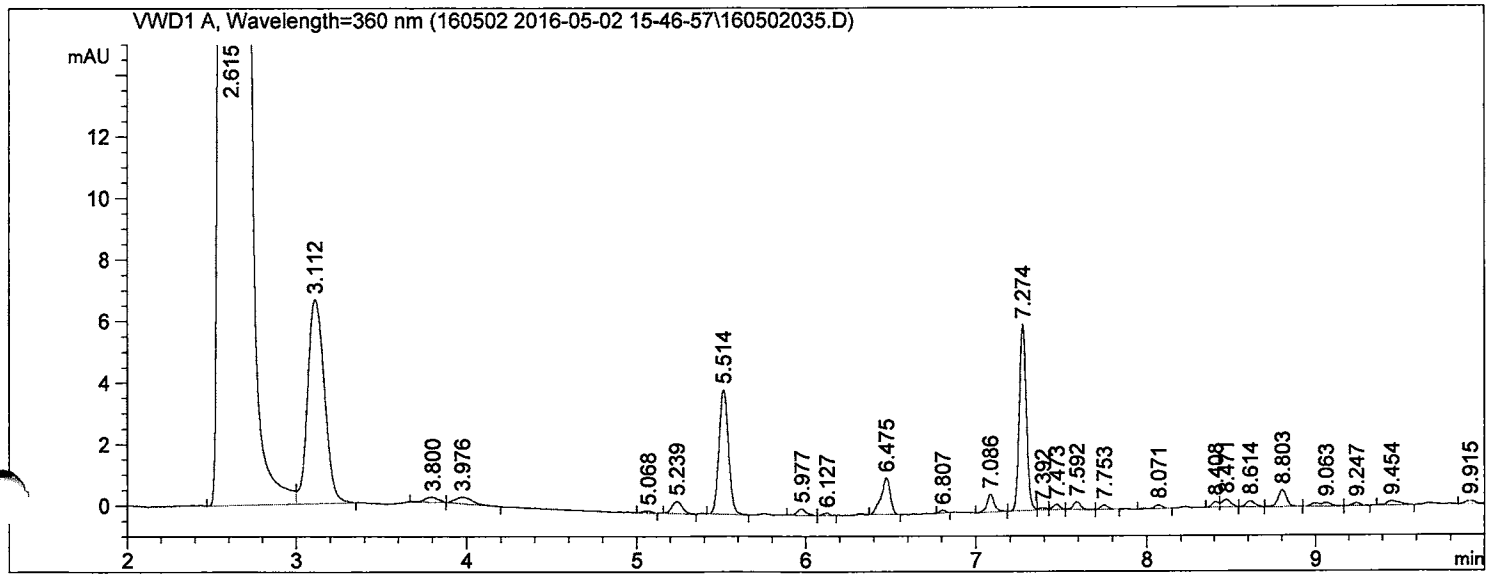
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502035.D
Sample Name: 061-032-38

==========

Acq. Operator : SYSTEM Seq. Line : 31
Acq. Instrument : Agilent 1260 Location : Vial 30
Injection Date : 5/3/2016 1:14:34 AM Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-18 Collected 4/26/2016; 14112; 57.84L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.514	1	BB	15.65360	1.48779e-2	465.78649		Formaldehyde;50-00-0
6.475	1	BB	4.50671	1.97410e-2	177.93403		Acetaldehyde;75-07-0

Totals : 643.72052

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*** End of Report ***

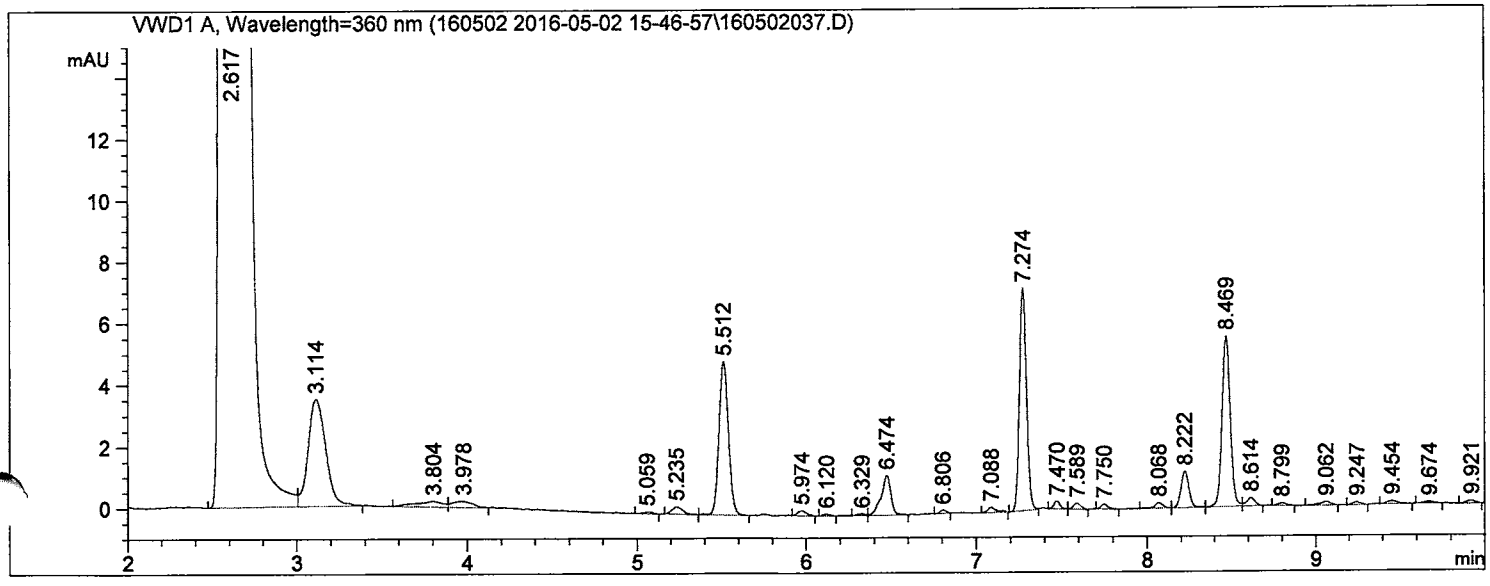
Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502037.D
Sample Name: 061-032-39

==========

Acq. Operator : SYSTEM
Seq. Line : 33
Acq. Instrument : Agilent 1260
Location : Vial 31
Injection Date : 5/3/2016 1:47:59 AM
Inj : 1
Inj Volume : 2.000 µl

Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-19 Collected 4/26/2016; 15322; 56.05L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.512	1	BB	19.30252	1.48779e-2	574.36326		Formaldehyde;50-00-0
6.474	1	VV	5.14045	1.97410e-2	202.95517		Acetaldehyde;75-07-0

Totals : 777.31844

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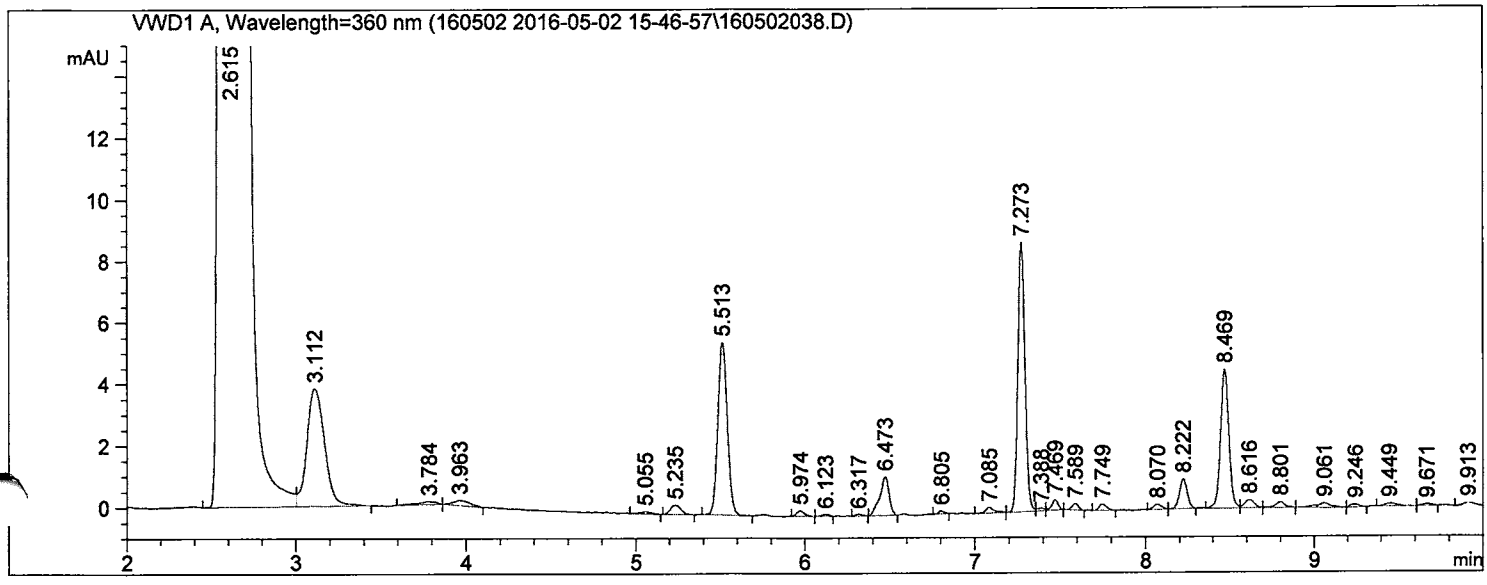
*** End of Report ***

Data File: C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502038.D
Sample Name: 061-032-40

==========

Acq. Operator : SYSTEM
Seq. Line : 34
Acq. Instrument : Agilent 1260
Location : Vial 32
Injection Date : 5/3/2016 2:04:41 AM
Inj : 1
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-20 Collected 4/26/2016; 15248; 55.41L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.513	1	BB	21.58022	1.48779e-2	642.13846		Formaldehyde;50-00-0
6.473	1	BB	4.77322	1.97410e-2	188.45632		Acetaldehyde;75-07-0

Totals : 830.59478

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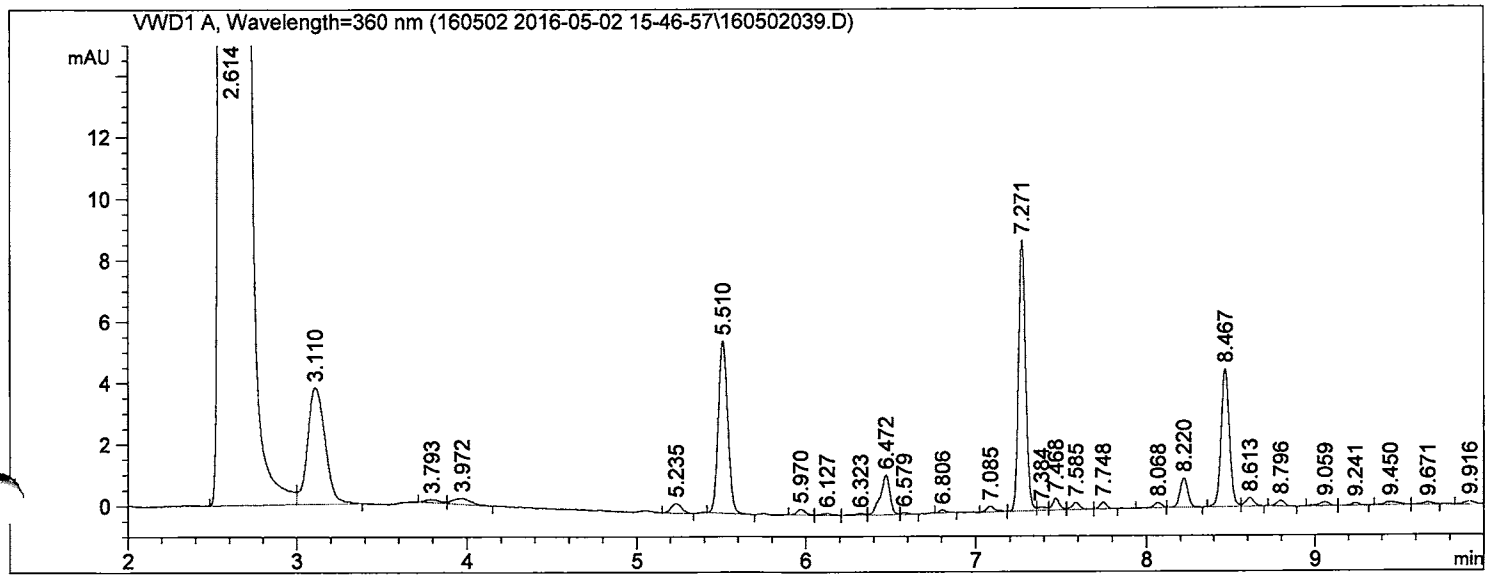
*** End of Report ***

Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502039.D
Sample Name: 061-032-40

==========

Acq. Operator : SYSTEM Seq. Line : 34
Acq. Instrument : Agilent 1260 Location : Vial 32
Injection Date : 5/3/2016 2:21:23 AM Inj : 2
Inj Volume : 2.000 µl
Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : US EPA; F11-20 Collected 4/26/2016; 15248; 55.41L



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.510	1	BB	21.50344	1.48779e-2	639.85379		Formaldehyde;50-00-0
6.472	1	VV	4.98215	1.97410e-2	196.70518		Acetaldehyde;75-07-0

Totals : 836.55897

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*** End of Report ***

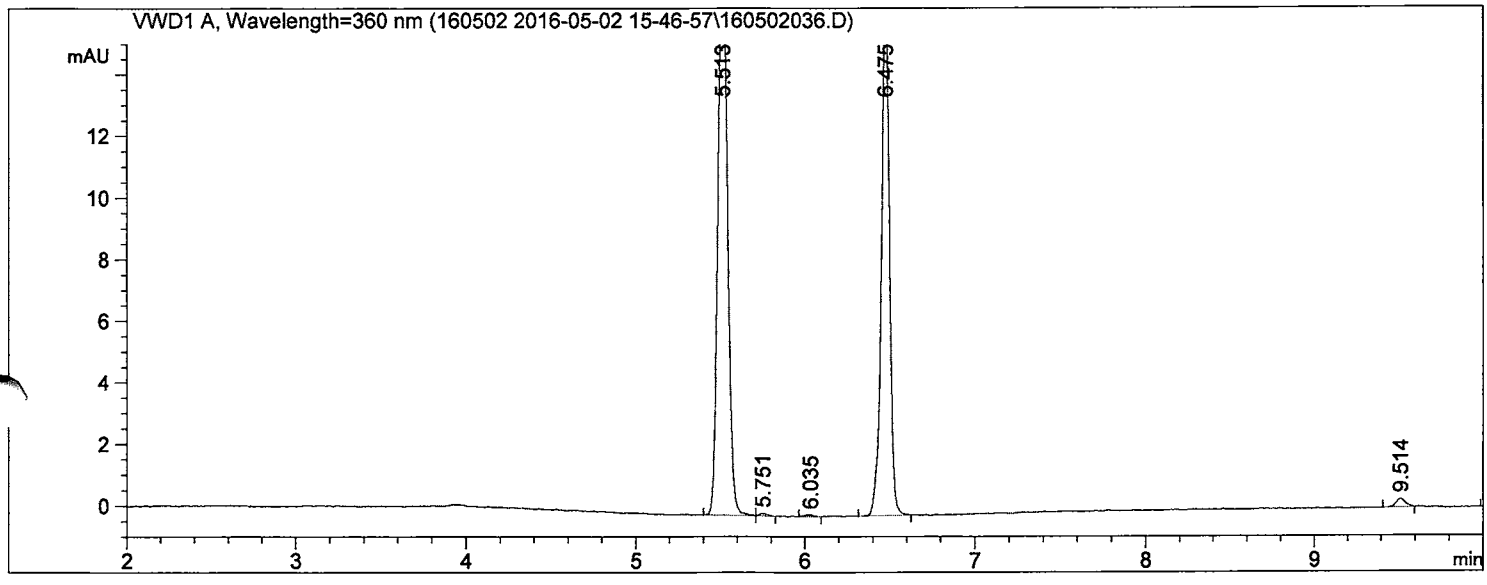
Data File C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\160502036.D
Sample Name: 1ng/uldailycheck

==========

Acq. Operator : SYSTEM Seq. Line : 32
Acq. Instrument : Agilent 1260 Location : Vial 1
Injection Date : 5/3/2016 1:31:16 AM Inj : 1
Inj Volume : 2.000 µl

Acq. Method : C:\CHEM32\1\DATA\160502 2016-05-02 15-46-57\FORMALDEHYDE.M
Last changed : 5/2/2016 3:46:57 PM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\FORMALDEHYDEHIGH.M
Last changed : 5/3/2016 1:17:54 PM by SYSTEM
(modified after loading)
Method Info : 2.1*100; 2.7um poroshell 120 EC-C18 column;

Sample Info : 1.0 ng/ul Daily Check
HL161 = 1.0 ml of HX044D in 100 ml of ACN
Prepared: 9/22/15 by TCheng



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External Standard Report

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Sorted By : Retention Time
Calib. Data Modified : 5/3/2016 1:17:54 PM
Multiplier : 2.000e3
Dilution : 1.0000
Sample Amount: : 1.00000 [ng] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: VWD1 A, Wavelength=360 nm

RetTime [min]	Sig	Type	Area [mAU*s]	Amt/Area	Amount [ng]	Grp	Name
5.513	1	BV	72.57843	1.48779e-2	2159.63463		Formaldehyde;50-00-0
6.475	1	BB	55.46427	1.97410e-2	2189.83923		Acetaldehyde;75-07-0
otals :					4349.47386		

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160503_01.D
Acq On : 3 May 2016 11:49 am
Operator : rgill
Sample : 061-032-08_US EPA; 5.53L; Mi59957
Misc : C11-08; 10151; 107ngBFB;10:1 split
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 03 15:50:50 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	886072	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.928	95	886072	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.928	95	886072	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.928	95	886072	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.928	95	886072	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.928	95	886072	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.700	113	62389	30.11 ng	98
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D. d	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_03.D
Acq On : 2 May 2016 2:38 pm
Operator : rgill
Sample : 061-032-01_US EPA; 5.65L; 242491
Misc : C11-01; 11137; 107ngBFB;10:1 split
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 03 13:20:17 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.929	95	824093	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.929	95	824093	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.929	95	824093	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.929	95	824093	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.929	95	824093	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.929	95	824093	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.705	113	45212	23.46 ng	96
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D. d	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_04.D
Acq On : 2 May 2016 3:25 pm
Operator : rgill
Sample : 061-032-02_US EPA; 5.78L; 242481
Misc : C11-02; 11350; 107ngBFB;10:1 split
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 13:21:28 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.929	95	809718	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.929	95	809718	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.929	95	809718	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.929	95	809718	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.929	95	809718	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.929	95	809718	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.700	113	63616	33.59 ng	95
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_05.D
Acq On : 2 May 2016 4:13 pm
Operator : rgill
Sample : 061-032-03_US EPA; 5.98L; 242453
Misc : C11-03; 4121-H; 107ngBFB;10:1 split
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 13:22:26 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.929	95	851184	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.929	95	851184	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.929	95	851184	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.929	95	851184	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.929	95	851184	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.929	95	851184	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) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D.	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.719	113	8104m	4.07 ng	
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_06.D
Acq On : 2 May 2016 5:00 pm
Operator : rgill
Sample : 061-032-04_US EPA; 6.45L; 203103
Misc : C11-04; 3363; 107ngBFB;10:1 split
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 03 13:23:28 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	789331	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.928	95	789331	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.928	95	789331	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.928	95	789331	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.928	95	789331	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.928	95	789331	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) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D.	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.705	113	67594	36.62 ng	98
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_07.D
Acq On : 2 May 2016 5:48 pm
Operator : rgill
Sample : 061-032-05_US EPA; 7.23L; Mi51152
Misc : C11-05; 3320; 107ngBFB;10:1 split
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 03 13:24:44 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	878848	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.928	95	878848	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.928	95	878848	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.928	95	878848	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.928	95	878848	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.928	95	878848	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) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D. d	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.695	113	66968	32.58 ng	97
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
23) Ethylene glycol; 107-21-1	0.000		0	N.D. d	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_08.D
Acq On : 2 May 2016 6:35 pm
Operator : rgill
Sample : 061-032-06_US EPA; 6.21L; 203169
Misc : C11-06; 6300m; 107ngBFB;10:1 split
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 03 13:25:36 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	772807	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.928	95	772807	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.928	95	772807	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.928	95	772807	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.928	95	772807	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.928	95	772807	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) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D.	
13) Phenol; 108-95-2	0.000		0	N.D.	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D.	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.714	113	7343m	4.06 ng	
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D.	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D. d	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_09.D
Acq On : 2 May 2016 7:22 pm
Operator : rgill
Sample : 061-032-07_US EPA; 5.41L; Mi51175
Misc : C11-07; 10344; 107ngBFB;10:1 split
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 03 13:26:30 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.929	95	837648	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.929	95	837648	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.929	95	837648	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.929	95	837648	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.929	95	837648	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.929	95	837648	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.700	113	54412	27.78 ng	95
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D. d	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_11.D
Acq On : 2 May 2016 8:43 pm
Operator : rgill
Sample : 061-032-09_US EPA; 5.33L; Mi193213
Misc : C11-09; 10146; 107ngBFB;10:1 split
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 03 13:27:23 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.929	95	796043	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.929	95	796043	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.929	95	796043	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.929	95	796043	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.929	95	796043	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.929	95	796043	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D.	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.705	113	54640	29.35 ng	97
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D.	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_12.D
Acq On : 2 May 2016 9:30 pm
Operator : rgill
Sample : 061-032-10_US EPA; 5.55L; Mi58840
Misc : C11-10; 10366; 107ngBFB;10:1 split
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 03 13:28:15 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	809728	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.928	95	809728	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.928	95	809728	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.928	95	809728	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.928	95	809728	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.928	95	809728	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) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.705	113	51157	27.01 ng	98
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_13.D
Acq On : 2 May 2016 10:18 pm
Operator : rgill
Sample : 061-032-11_US EPA; 5.75L; Mi193208
Misc : C11-11; 12441; 107ngBFB;10:1 split
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 03 13:29:05 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	799493	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.933	95	799493	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.933	95	799493	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.933	95	799493	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	0.000	95	0m	107.00 ng	-13.93
97) 1-Bromo-4-flourobenzen...	13.933	95	799493	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) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D.	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.705	113	58057	31.05 ng	95
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D. d	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_14.D
Acq On : 2 May 2016 11:05 pm
Operator : rgill
Sample : 061-032-12_US EPA; 5.87L; Mi59921
Misc : C11-12; 12414; 107ngBFB;10:1 split
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 03 13:29:55 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	834707	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.928	95	834707	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.928	95	834707	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.928	95	834707	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.928	95	834707	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.928	95	834707	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) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D. d	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.700	113	56276	28.83 ng	97
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D. d	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_15.D
Acq On : 2 May 2016 11:53 pm
Operator : rgill
Sample : 061-032-13_US EPA; 5.67L; Mi59922
Misc : C11-13; 12351; 107ngBFB;10:1 split
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 03 13:30:49 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.929	95	848539	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.929	95	848539	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.929	95	848539	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.929	95	848539	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.929	95	848539	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.929	95	848539	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.700	113	66687	33.60 ng	97
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D. d	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_16.D
Acq On : 3 May 2016 12:40 am
Operator : rgill
Sample : 061-032-14_US EPA; 5.59L; 203199
Misc : C11-14; 12144; 107ngBFB;10:1 split
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 03 13:31:40 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	839167	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.928	95	839167	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.928	95	839167	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.928	95	839167	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.928	95	839167	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.928	95	839167	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.705	113	48381	24.65 ng	96
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D. d	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_17.D
Acq On : 3 May 2016 1:28 am
Operator : rgill
Sample : 061-032-15_US EPA; 5.82L; Mi193240
Misc : C11-15; 14414; 107ngBFB;10:1 split
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 03 13:32:27 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	812785	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.933	95	812785	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.933	95	812785	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.933	95	812785	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.933	95	812785	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.933	95	812785	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D.	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.700	113	53952	28.38 ng	93
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D. d	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_18.D
Acq On : 3 May 2016 2:15 am
Operator : rgill
Sample : 061-032-16_US EPA; 5.58L; 242472
Misc : C11-16; 14364; 107ngBFB;10:1 split
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 03 13:33:21 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	862895	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.928	95	862895	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.928	95	862895	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.928	95	862895	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.928	95	862895	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.928	95	862895	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.700	113	71001	35.18 ng	98
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.D.	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_19.D
Acq On : 3 May 2016 3:02 am
Operator : rgill
Sample : 061-032-17_US EPA; 5.12L; 242462
Misc : C11-17; 14246; 107ngBFB;10:1 split
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 03 13:34:09 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.933	95	864293	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.933	95	864293	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.933	95	864293	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.933	95	864293	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.933	95	864293	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.933	95	864293	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.700	113	52704	26.07 ng	94
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.D.	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_20.D
Acq On : 3 May 2016 3:49 am
Operator : rgill
Sample : 061-032-18_US EPA; 6.13L; 242439
Misc : C11-18; 14112; 107ngBFB;10:1 split
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 03 13:34:55 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	848555	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.928	95	848555	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.928	95	848555	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.928	95	848555	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.928	95	848555	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.928	95	848555	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.	
10) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.700	113	89967	45.34 ng	98
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.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.	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_21.D
Acq On : 3 May 2016 4:37 am
Operator : rgill
Sample : 061-032-19_US EPA; 5.96L; Mi51119
Misc : C11-19; 15322; 107ngBFB;10:1 split
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 03 13:35:58 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.929	95	839339	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.929	95	839339	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	0.000	95	0m	107.00 ng	-13.93
52) 1-Bromo-4-flourobenzen...	13.929	95	839339	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.929	95	839339	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.929	95	839339	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) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D.	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.695	113	116142	59.17 ng	97
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D. d	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D.	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.D.	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

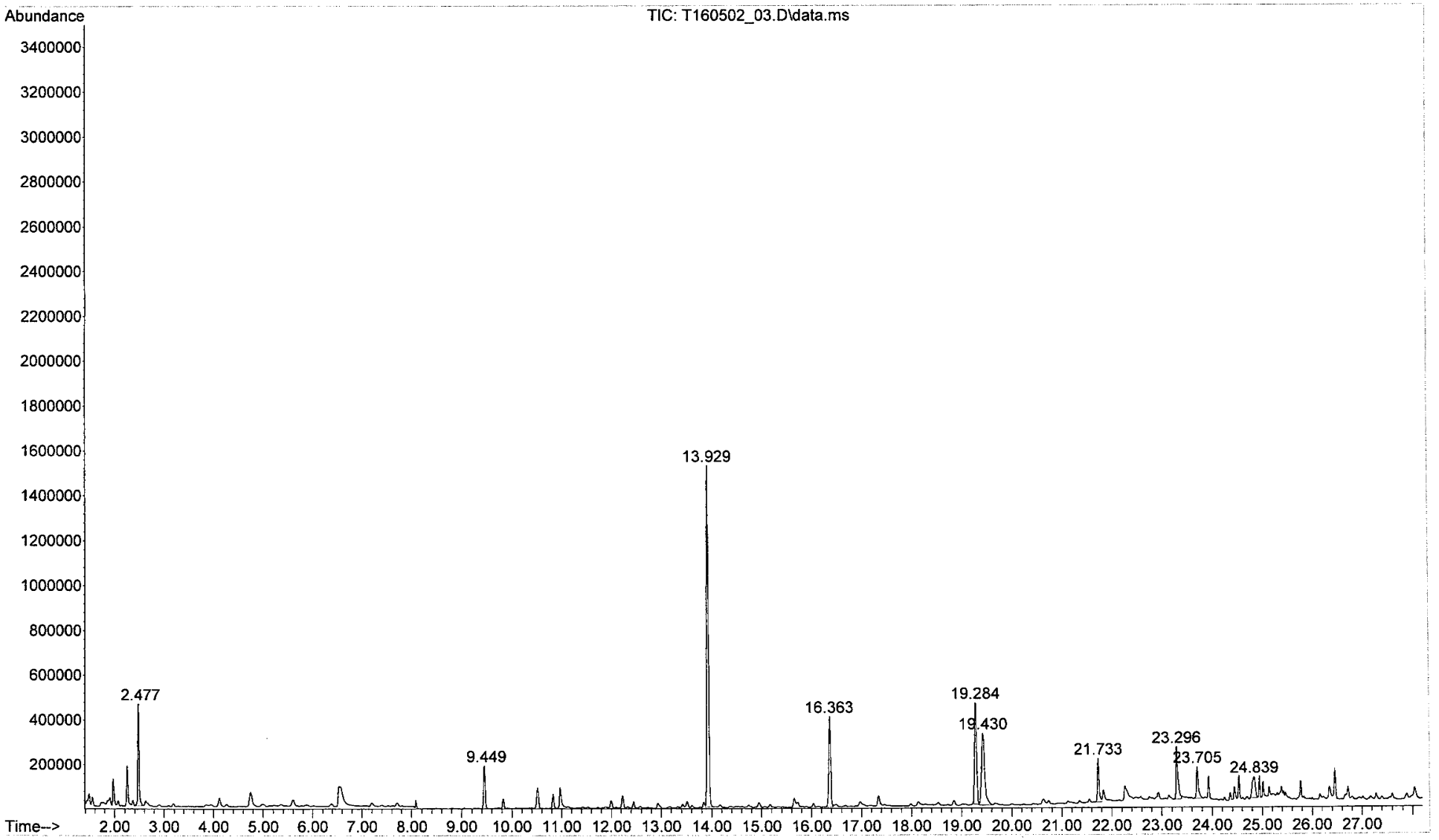
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2016\May\
Data File : T160502_22.D
Acq On : 3 May 2016 5:25 am
Operator : rgill
Sample : 061-032-20_US EPA; 5.79L; 203172
Misc : C11-20; 15248; 107ngBFB;10:1 split
ALS Vial : 22 Sample Multiplier: 1

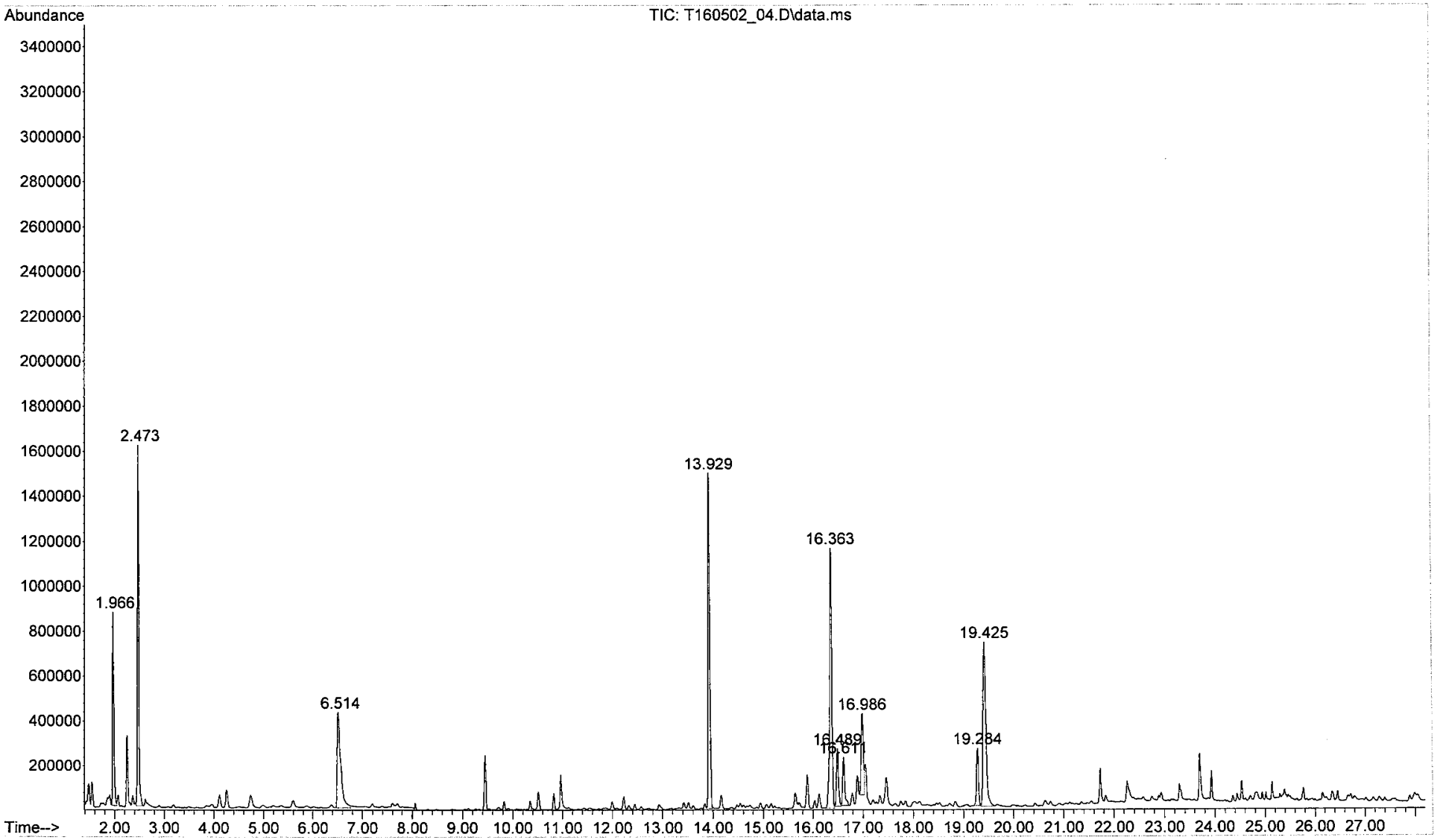
Quant Time: May 03 13:36:48 2016
Quant Method : \\Ba-fs1\RESOURCES\GCMSFILE\METHODS\5975 Methods\Y2K16\Desorb_Merged_2016.M
Quant Title : AB95168
QLast Update : Thu Mar 31 15:13:53 2016
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Bromo-4-flourobenzen...	13.928	95	803658	107.00 ng	0.00
21) 1-Bromo-4-flourobenzen...	13.928	95	803658	107.00 ng	0.00
32) 1-Bromo-4-flourobenzen...	13.928	95	803658	107.00 ng	# 0.00
52) 1-Bromo-4-flourobenzen...	13.928	95	803658	107.00 ng	# 0.00
66) 1-Bromo-4-flourobenzen...	13.928	95	803658	107.00 ng	# 0.00
97) 1-Bromo-4-flourobenzen...	13.928	95	803658	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) Styrene; 100-42-5	0.000		0	N.D.	
11) 1,2,4-Trimethylbenzene...	0.000		0	N.D. d	
12) Octanal; 124-13-0	0.000		0	N.D. d	
13) Phenol; 108-95-2	0.000		0	N.D. d	
14) 1-Phenylethanone; 98-86-2	0.000		0	N.D. d	
15) 1-Methyl-2-pyrrolidino...	0.000		0	N.D.	
16) Nonanal; 124-19-6	0.000		0	N.D. d	
17) 2-Ethylhexanoic acid; ...	0.000		0	N.D. d	
18) Naphthalene; 91-20-3	0.000		0	N.D.	
19) 4-Phenylcyclohexene; 4...	0.000		0	N.D.	
20) Caprolactam; 105-60-2	23.695	113	85683	45.59 ng	99
22) 1-Methoxy-2-propanol; ...	0.000		0	N.D.	
23) Ethylene glycol; 107-21-1	0.000		0	N.D.	
24) Butyl acetate; 123-86-4	0.000		0	N.D. d	
25) Propylene glycol; 57-55-6	0.000		0	N.D. d	
26) 2-Butoxyethanol; 111-76-2	0.000		0	N.D. d	
27) Hexanoic acid; 142-62-1	0.000		0	N.D. d	
28) 2-Ethyl-1-hexanol; 104...	0.000		0	N.D. d	
29) 2-(2-Butoxyethoxy) eth...	0.000		0	N.D. d	
30) Dodecanol; 112-53-8	0.000		0	N.D. d	
31) Butylated hydroxytolue...	0.000		0	N.D.	
33) n-Pentane; 109-66-0	0.000		0	N.D. d	
34) Ethanol; 64-17-5	0.000		0	N.D. d	
35) 2-Propanone(acetone); ...	0.000		0	N.D. d	
36) 1,1-Dichloroethylene;7...	0.000		0	N.D.	
37) 2-Propanol; 67-63-0	0.000		0	N.D. d	
38) Carbon disulfide; 75-15-0	0.000		0	N.D.	
39) Dichloromethane; 75-09-2	0.000		0	N.D. d	
40) n-Hexane; 110-54-3	0.000		0	N.D.	
41) Vinyl acetate; 108-05-4	0.000		0	N.D.	
42) 2-Butanone; 78-93-3	0.000		0	N.D. d	
43) Ethyl acetate; 141-78-6	0.000		0	N.D. d	
44) Chloroform;67-66-3	0.000		0	N.D.	

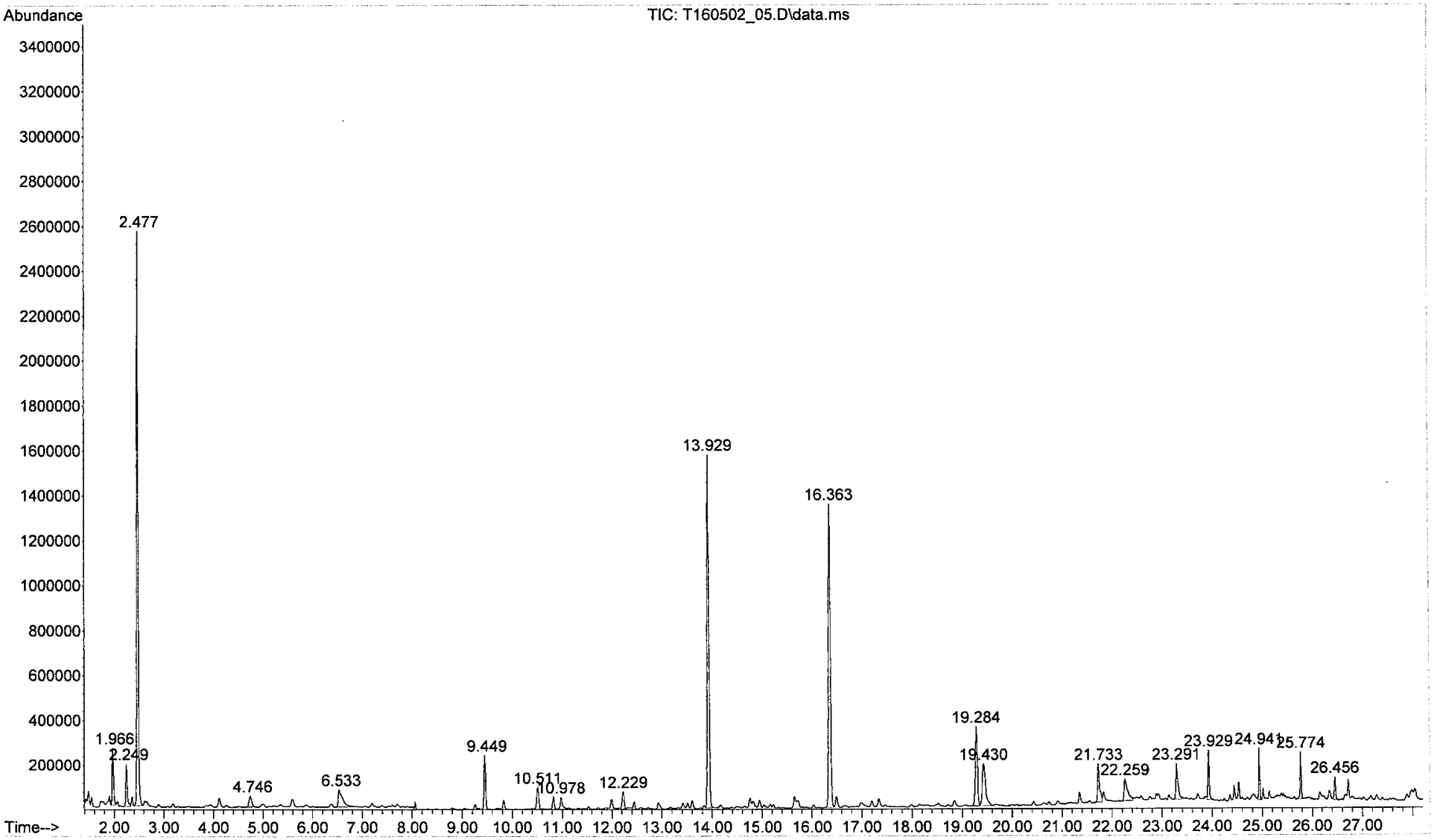
File :C:\msdchem\1\data\2016\May\T160502_03.D
Operator : rgill
Acquired : 2 May 2016 2:38 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-01_US EPA; 5.65L; 242491
Misc Info : C11-01; 11137; 107ngBFB;10:1 split
Vial Number: 3



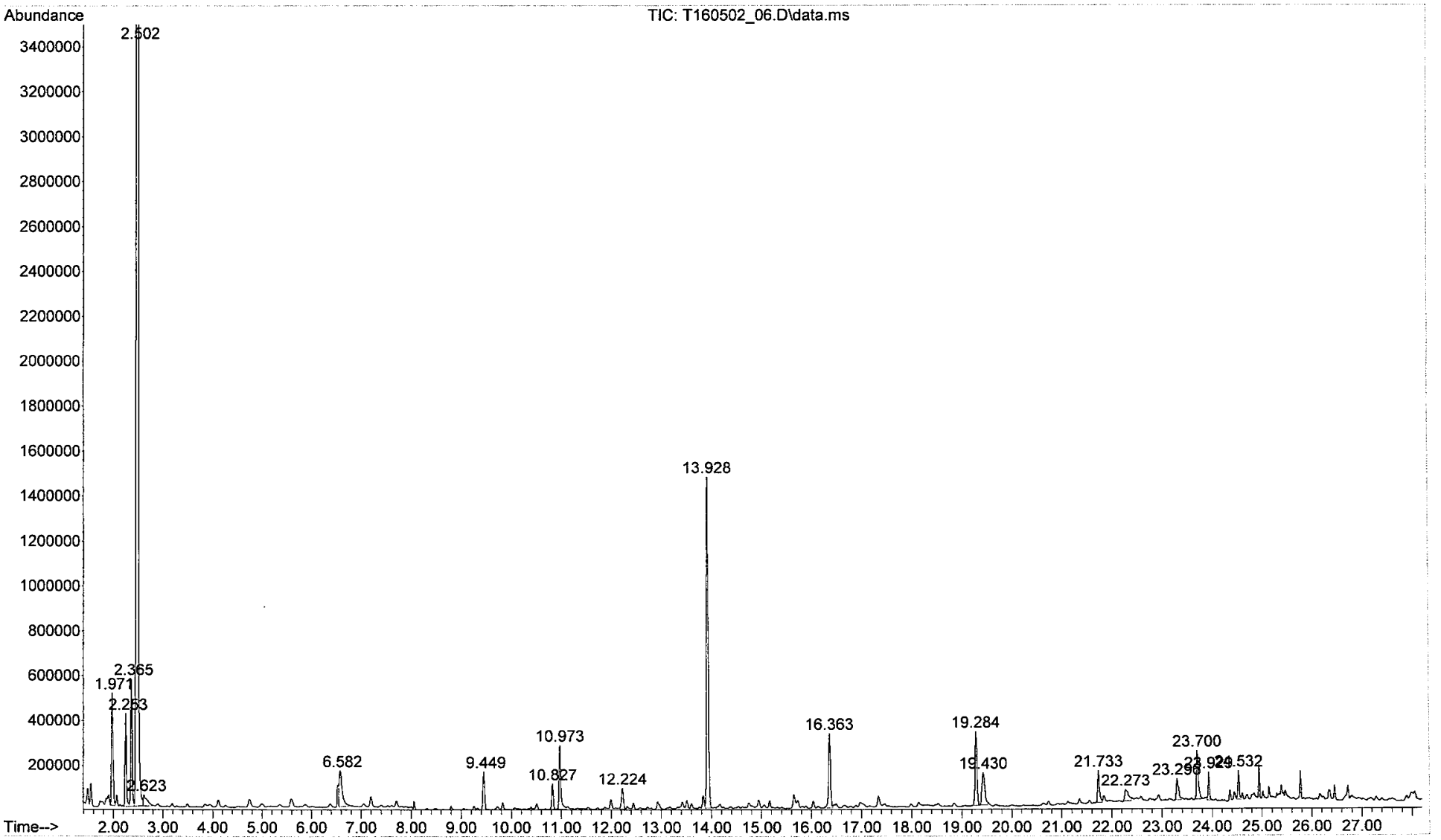
File :C:\msdchem\1\data\2016\May\T160502_04.D
Operator : rgill
Acquired : 2 May 2016 3:25 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-02_US EPA; 5.78L; 242481
Misc Info : C11-02; 11350; 107ngBFB;10:1 split
Vial Number: 4



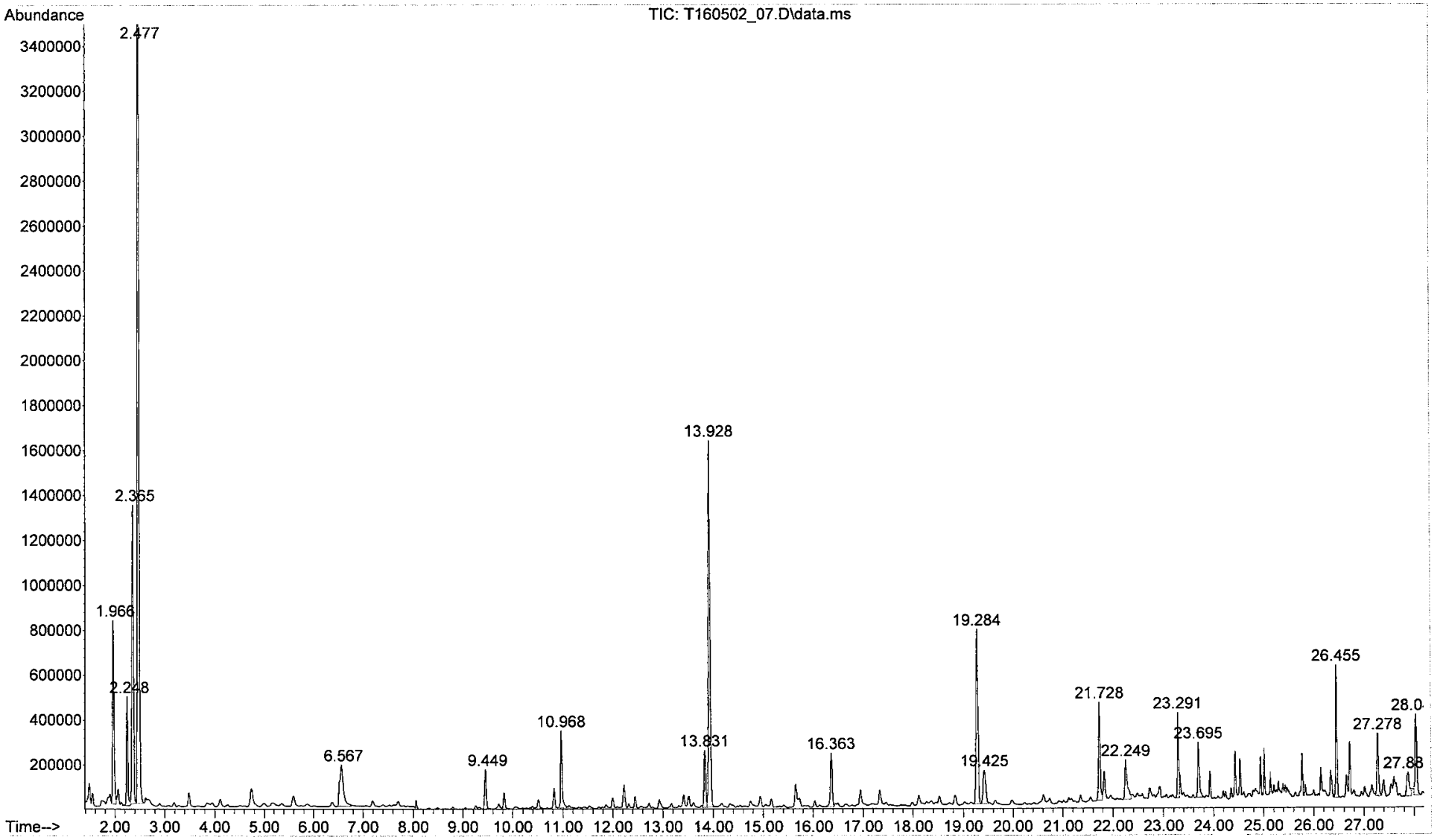
File :C:\msdchem\1\data\2016\May\T160502_05.D
Operator : rgill
Acquired : 2 May 2016 4:13 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-03_US EPA; 5.98L; 242453
Misc Info : C11-03; 4121-H; 107ngBFB;10:1 split
Vial Number: 5



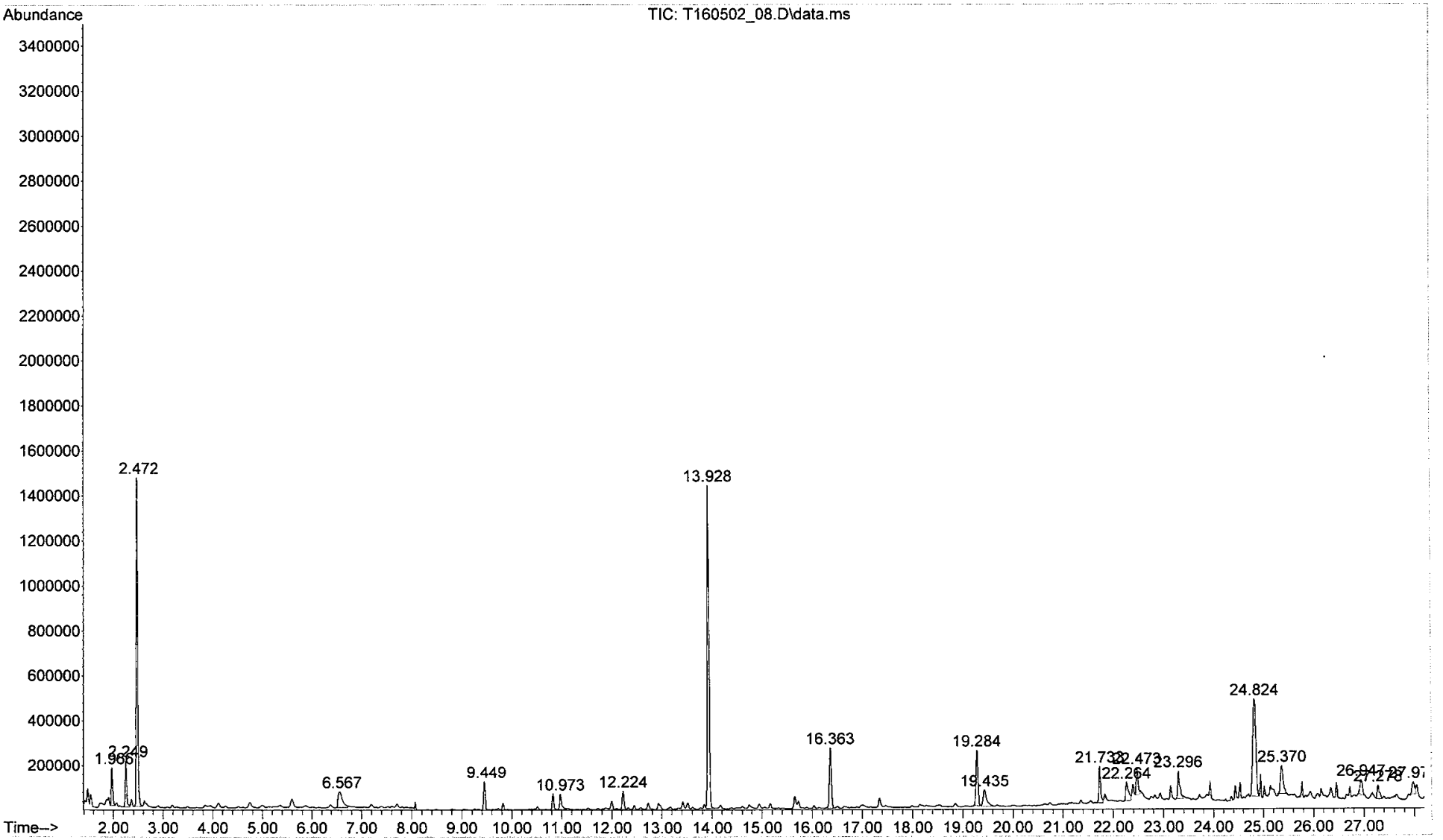
File :C:\msdchem\1\data\2016\May\T160502_06.D
Operator : rgill
Acquired : 2 May 2016 5:00 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-04_US EPA; 6.45L; 203103
Misc Info : C11-04; 3363; 107ngBFB;10:1 split
Vial Number: 6



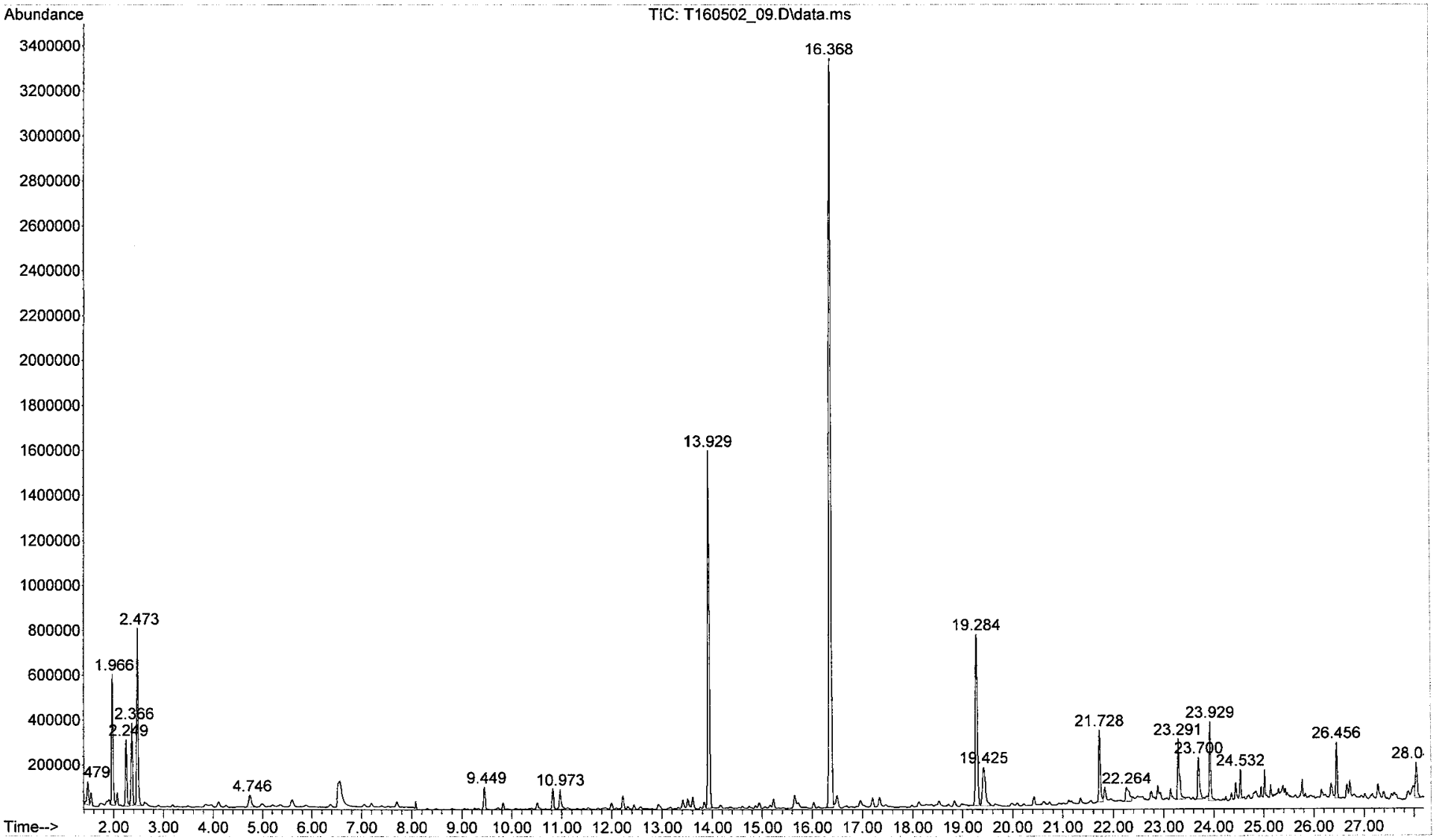
File :C:\msdchem\1\data\2016\May\T160502_07.D
Operator : rgill
Acquired : 2 May 2016 5:48 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-05_US EPA; 7.23L; Mi51152
Misc Info : C11-05; 3320; 107ngBFB;10:1 split
Vial Number: 7



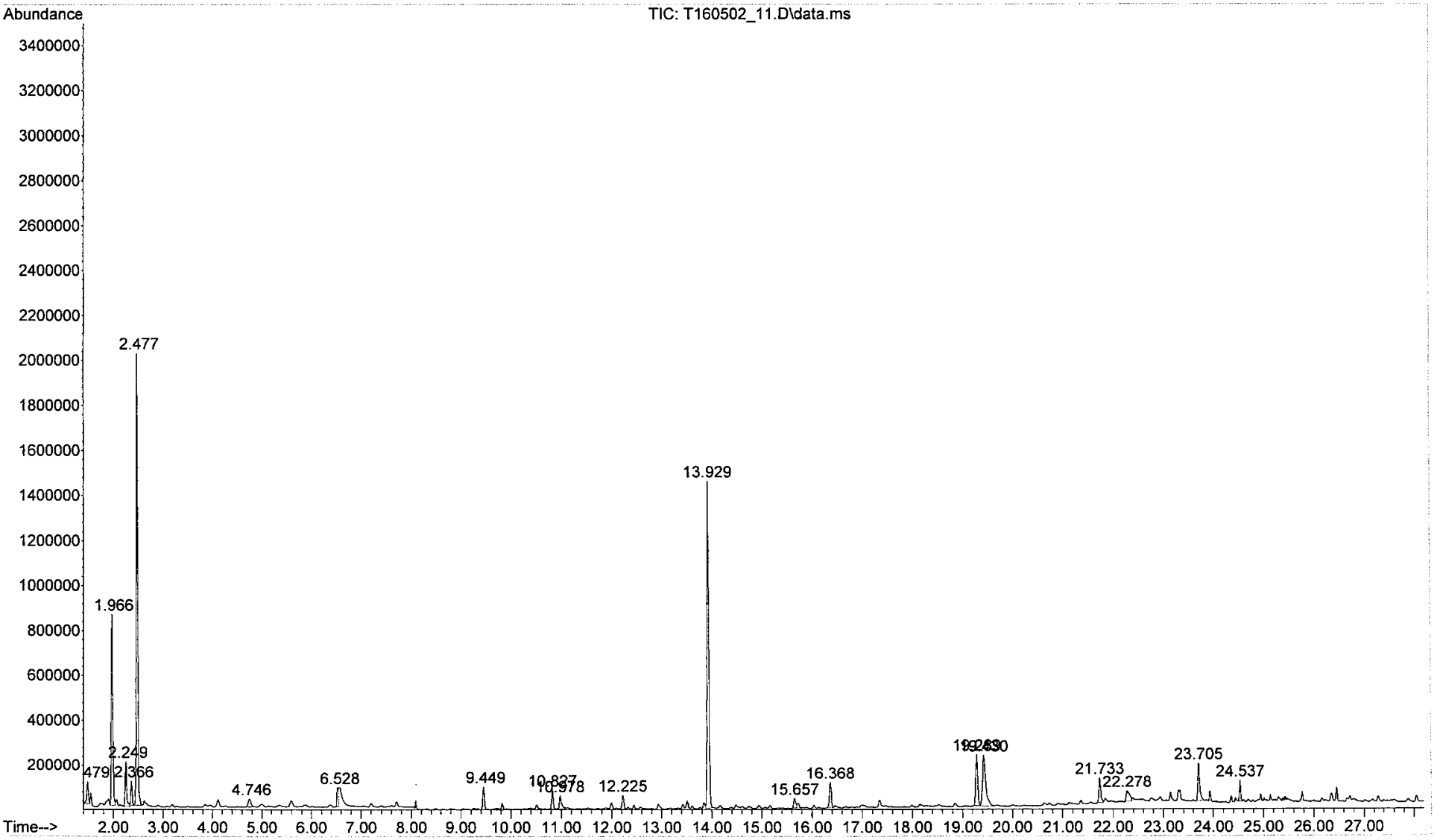
File :C:\msdchem\1\data\2016\May\T160502_08.D
Operator : rgill
Acquired : 2 May 2016 6:35 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-06_US EPA; 6.21L; 203169
Misc Info : C11-06; 6300m; 107ngBFB;10:1 split
Vial Number: 8



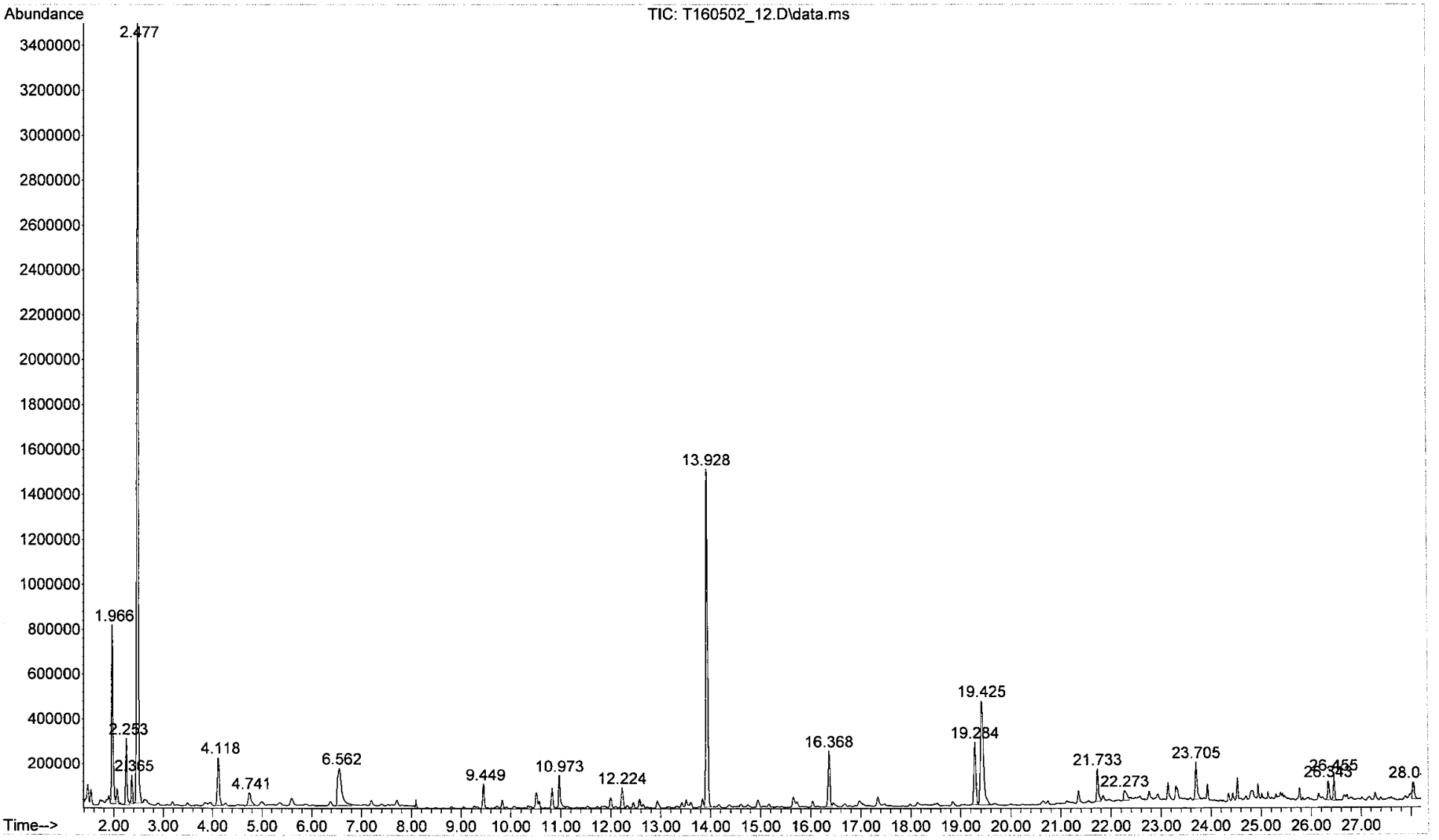
File :C:\msdchem\1\data\2016\May\T160502_09.D
Operator : rgill
Acquired : 2 May 2016 7:22 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-07_US EPA; 5.41L; Mi51175
Misc Info : C11-07; 10344; 107ngBFB;10:1 split
Vial Number: 9



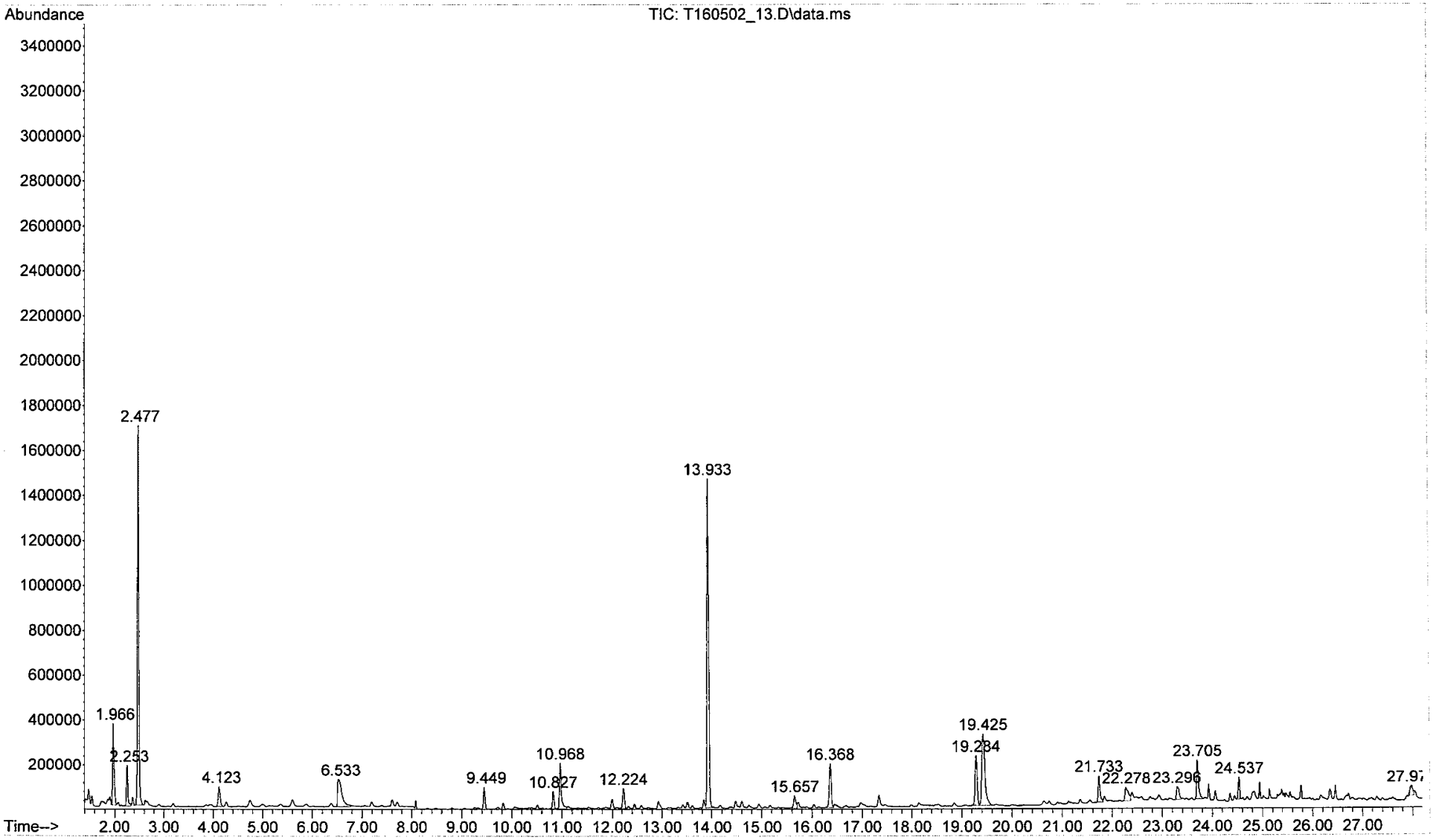
File :C:\msdchem\1\data\2016\May\T160502_11.D
Operator : rgill
Acquired : 2 May 2016 8:43 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-09_US EPA; 5.33L; Mi193213
Misc Info : C11-09; 10146; 107ngBFB;10:1 split
Vial Number: 11



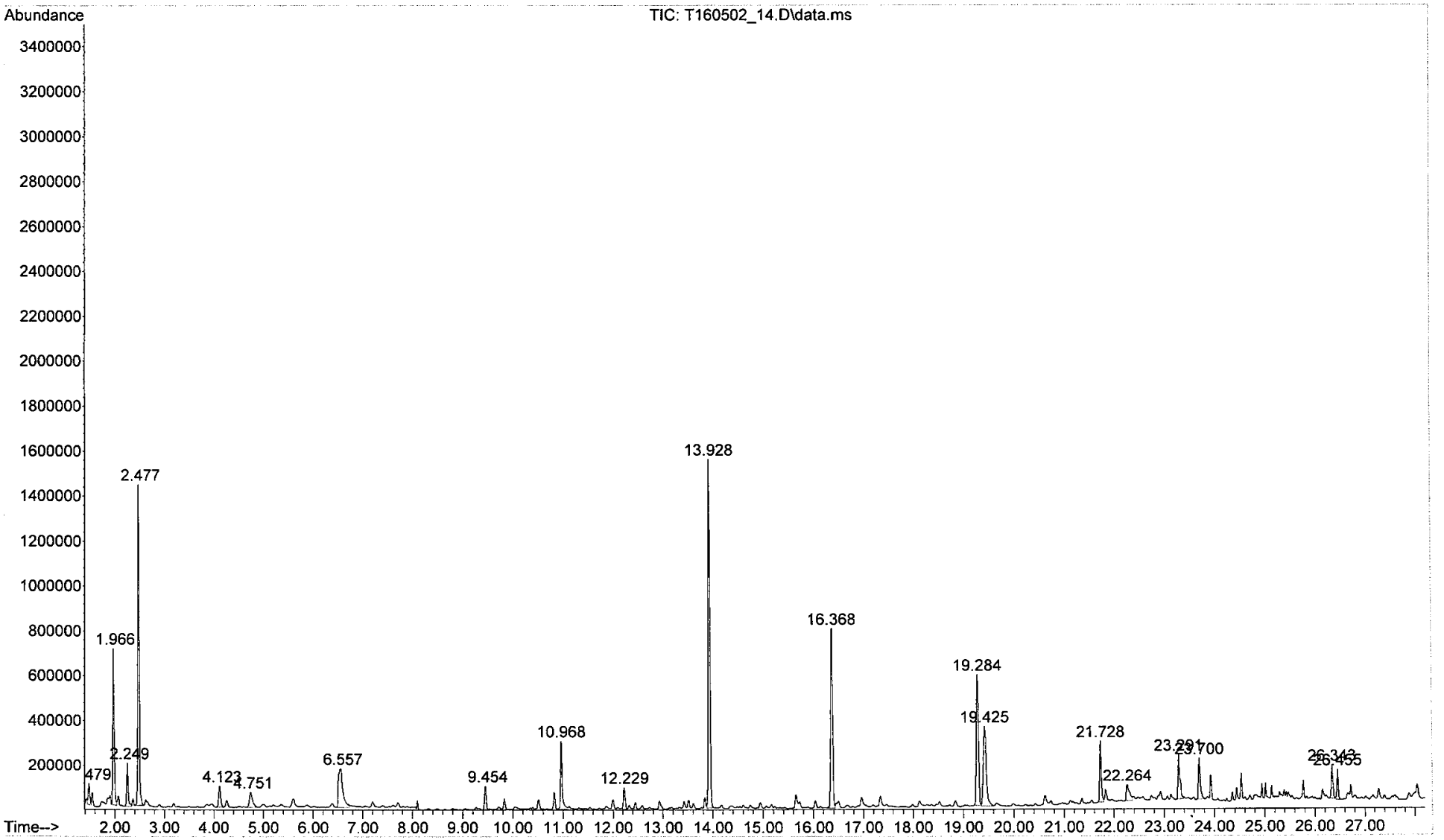
File :C:\msdchem\1\data\2016\May\T160502_12.D
Operator : rgill
Acquired : 2 May 2016 9:30 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-10_US EPA; 5.55L; Mi58840
Misc Info : C11-10; 10366; 107ngBFB;10:1 split
Vial Number: 12



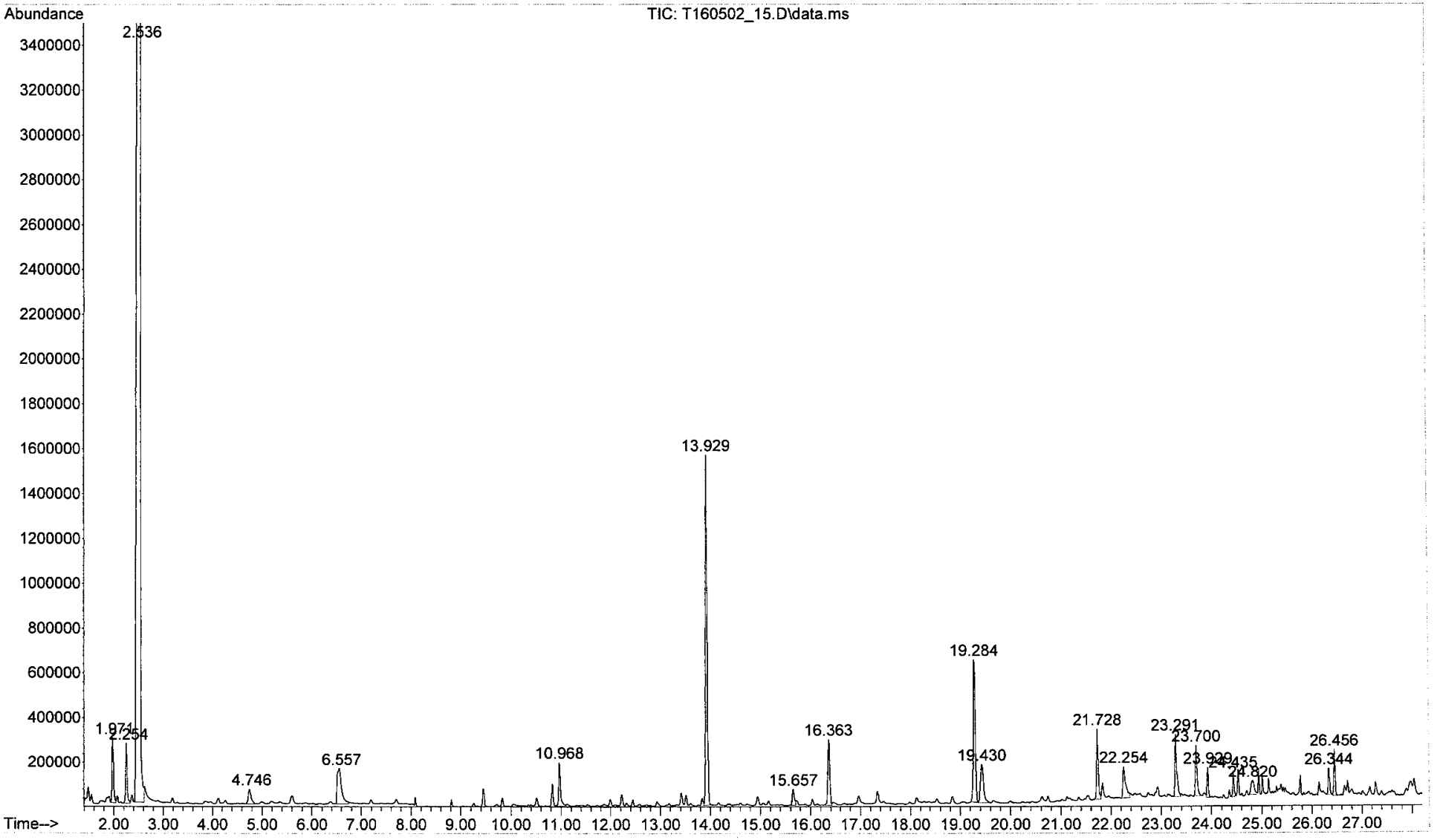
File :C:\msdchem\1\data\2016\May\T160502_13.D
Operator : rgill
Acquired : 2 May 2016 10:18 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-11_US EPA; 5.75L; Mi193208
Misc Info : C11-11; 12441; 107ngBFB;10:1 split
Vial Number: 13



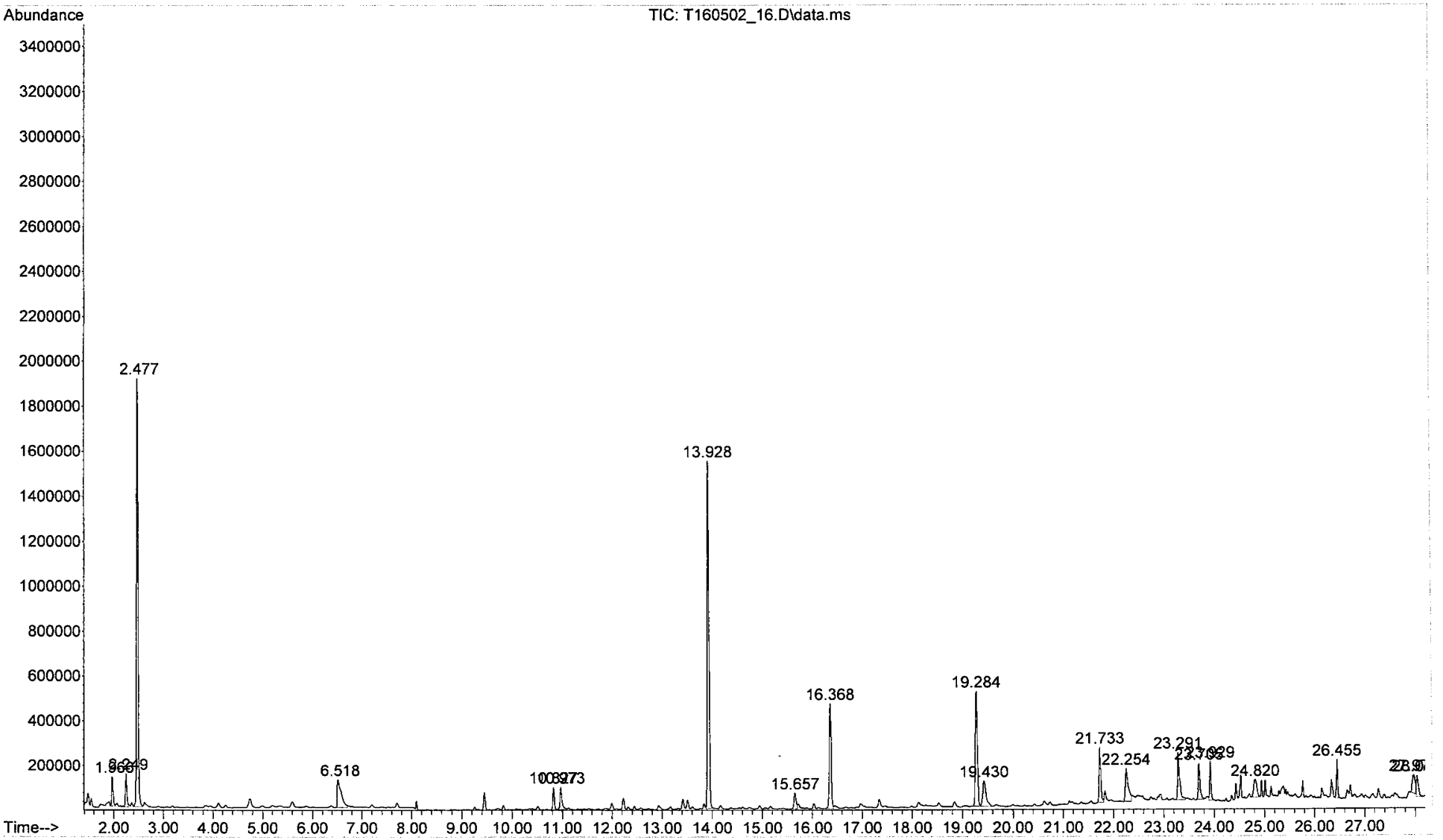
File :C:\msdchem\1\data\2016\May\T160502_14.D
Operator : rgill
Acquired : 2 May 2016 11:05 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-12_US EPA; 5.87L; Mi59921
Misc Info : C11-12; 12414; 107ngBFB;10:1 split
Vial Number: 14



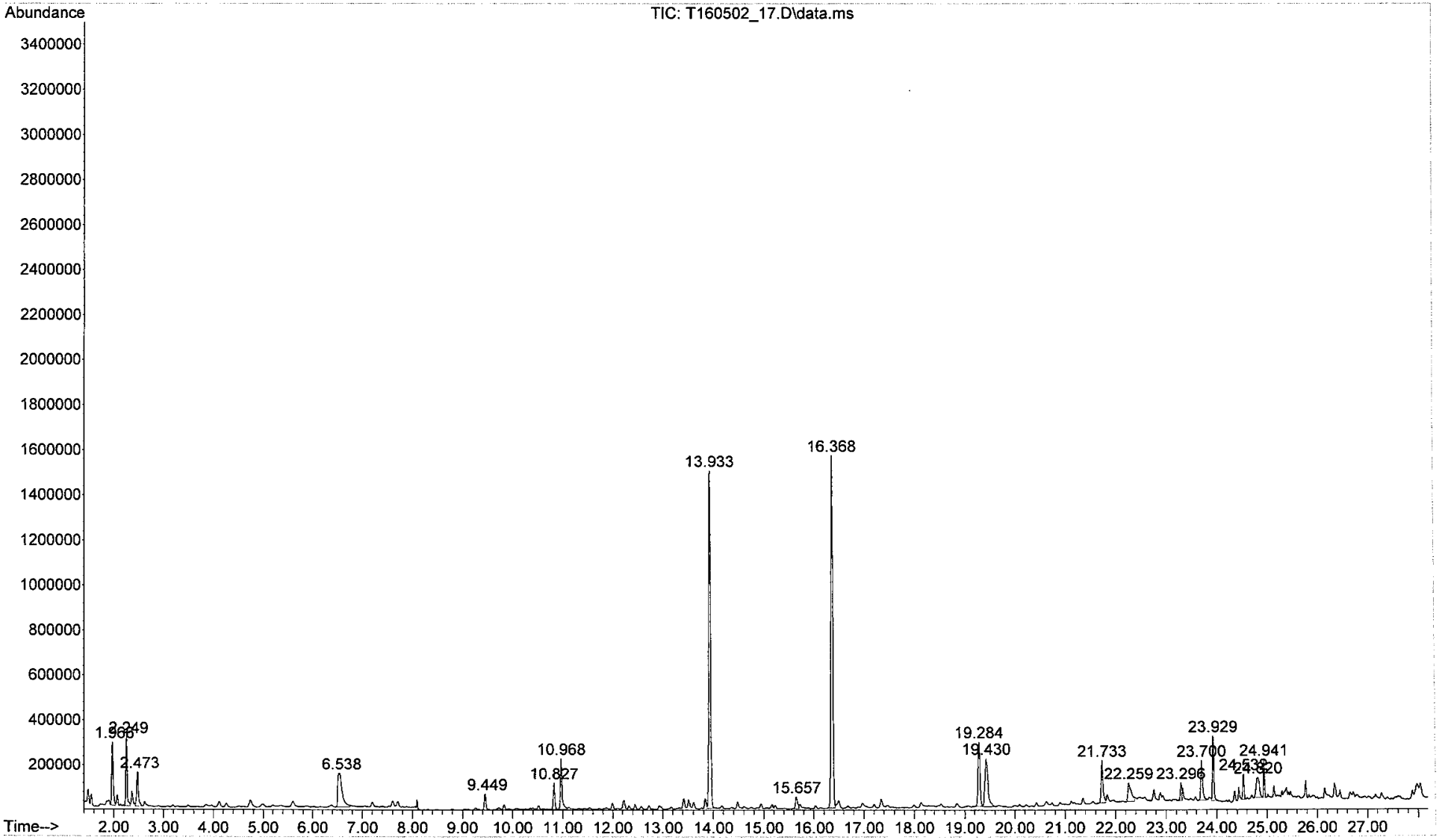
File :C:\msdchem\1\data\2016\May\T160502_15.D
Operator : rgill
Acquired : 2 May 2016 11:53 pm using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-13_US EPA; 5.67L; Mi59922
Misc Info : C11-13; 12351; 107ngBFB;10:1 split
Vial Number: 15



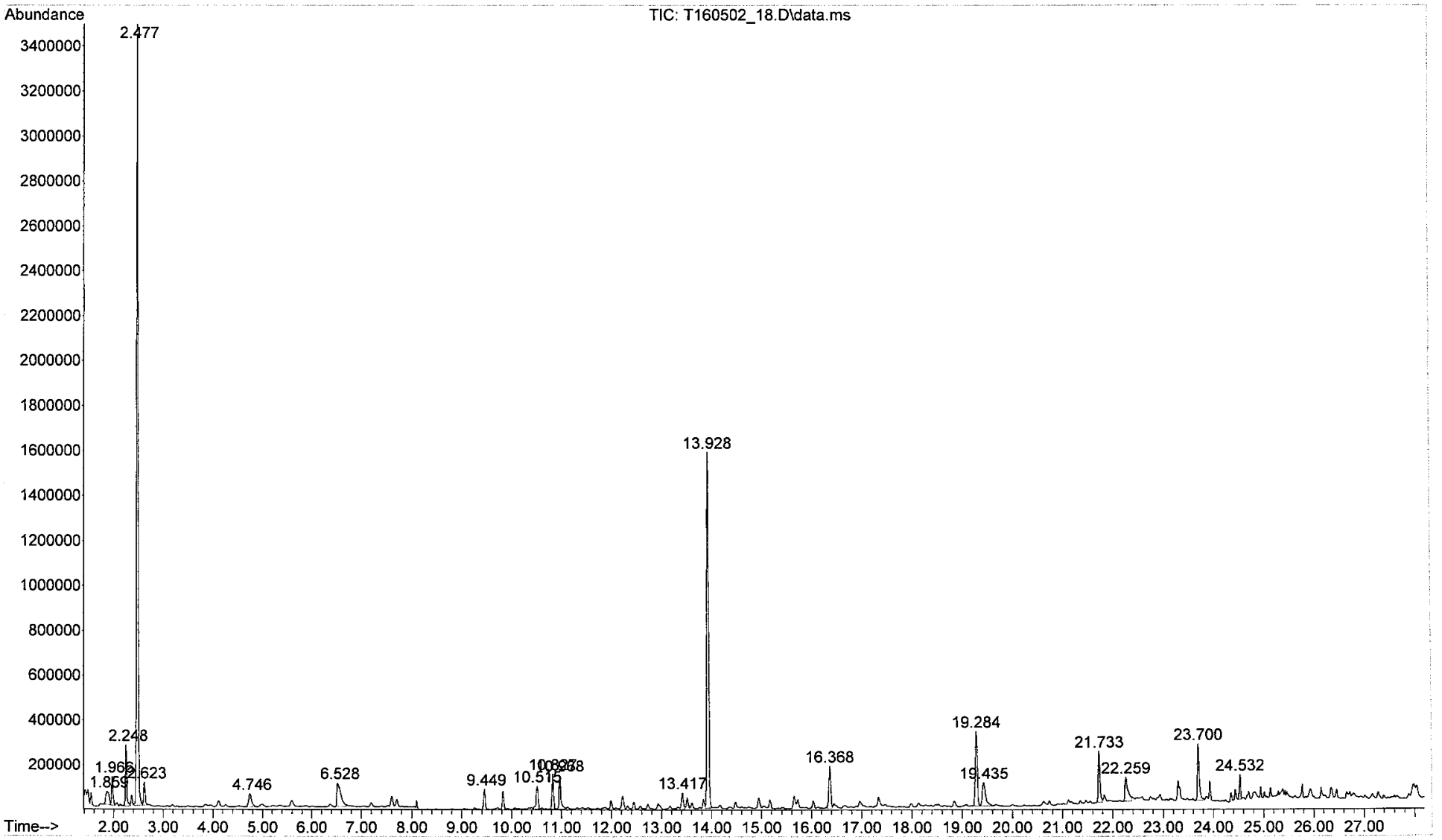
File :C:\msdchem\1\data\2016\May\T160502_16.D
Operator : rgill
Acquired : 3 May 2016 12:40 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-14_US EPA; 5.59L; 203199
Misc Info : C11-14; 12144; 107ngBFB;10:1 split
Vial Number: 16



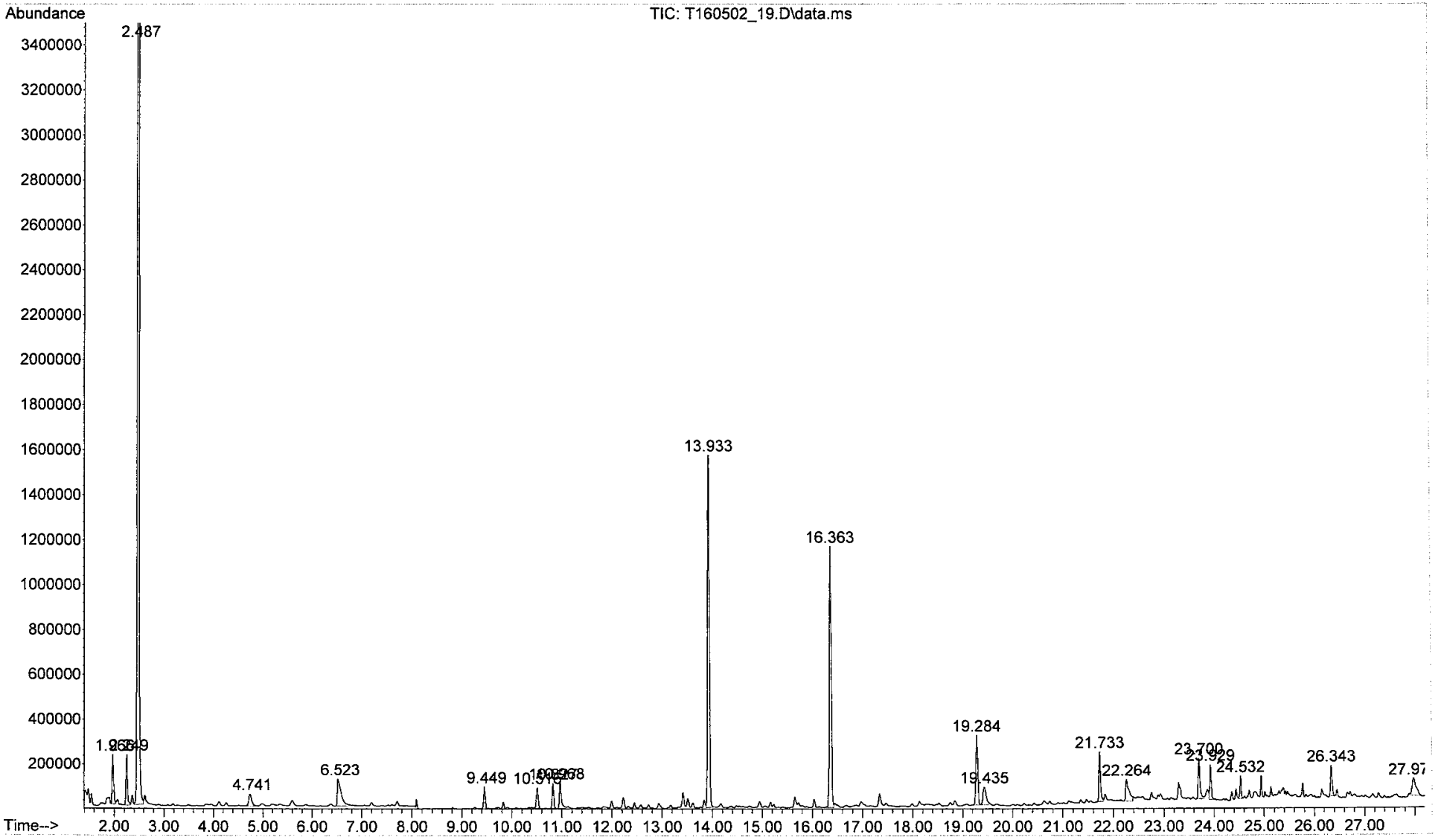
File :C:\msdchem\1\data\2016\May\T160502_17.D
Operator : rgill
Acquired : 3 May 2016 1:28 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-15_US EPA; 5.82L; Mi193240
Misc Info : C11-15; 14414; 107ngBFB;10:1 split
Vial Number: 17



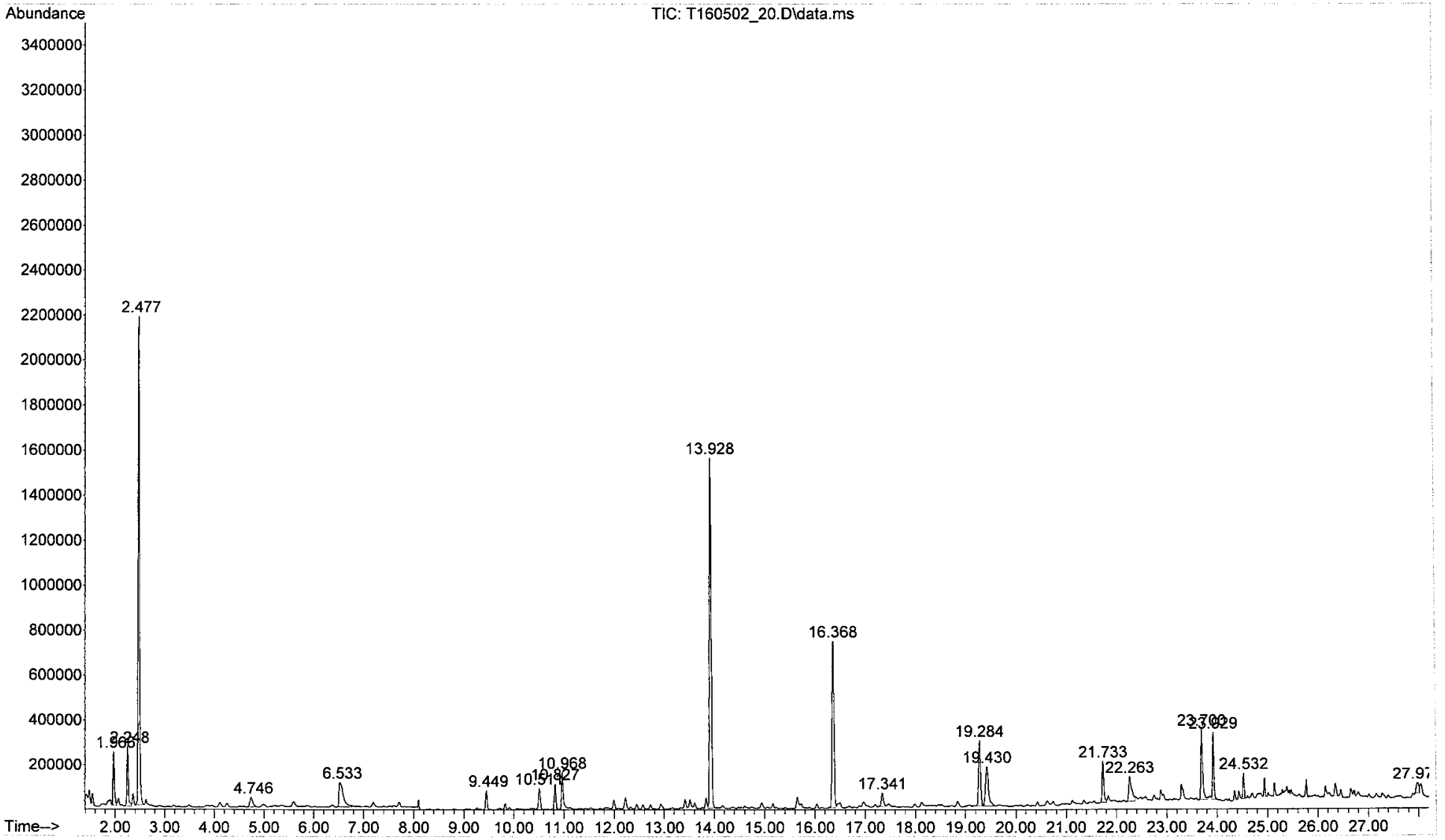
File :C:\msdchem\1\data\2016\May\T160502_18.D
Operator : rgill
Acquired : 3 May 2016 2:15 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-16_US EPA; 5.58L; 242472
Misc Info : C11-16; 14364; 107ngBFB;10:1 split
Vial Number: 18



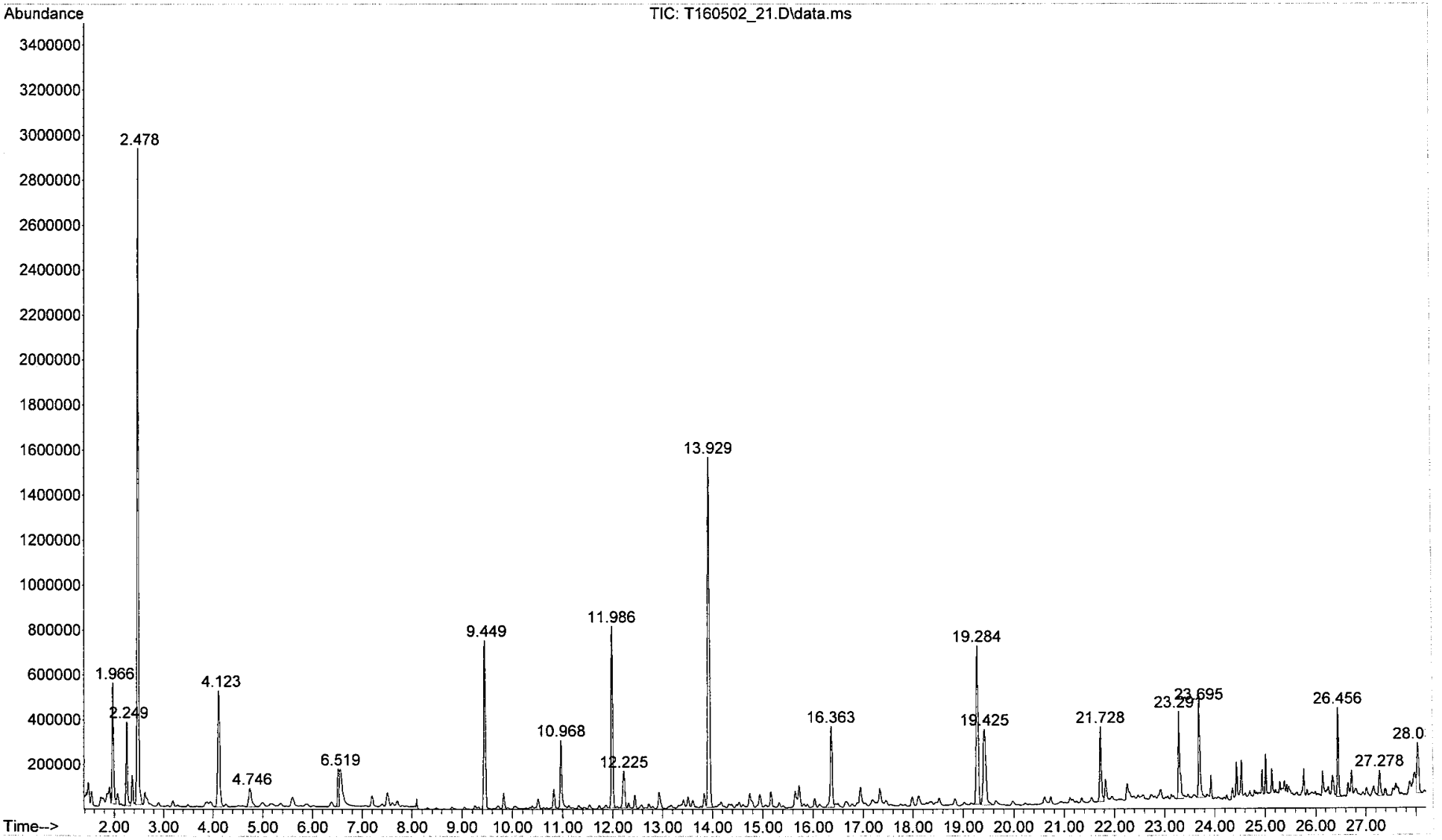
File :C:\msdchem\1\data\2016\May\T160502_19.D
Operator : rgill
Acquired : 3 May 2016 3:02 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-17_US EPA; 5.12L; 242462
Misc Info : C11-17; 14246; 107ngBFB;10:1 split
Vial Number: 19



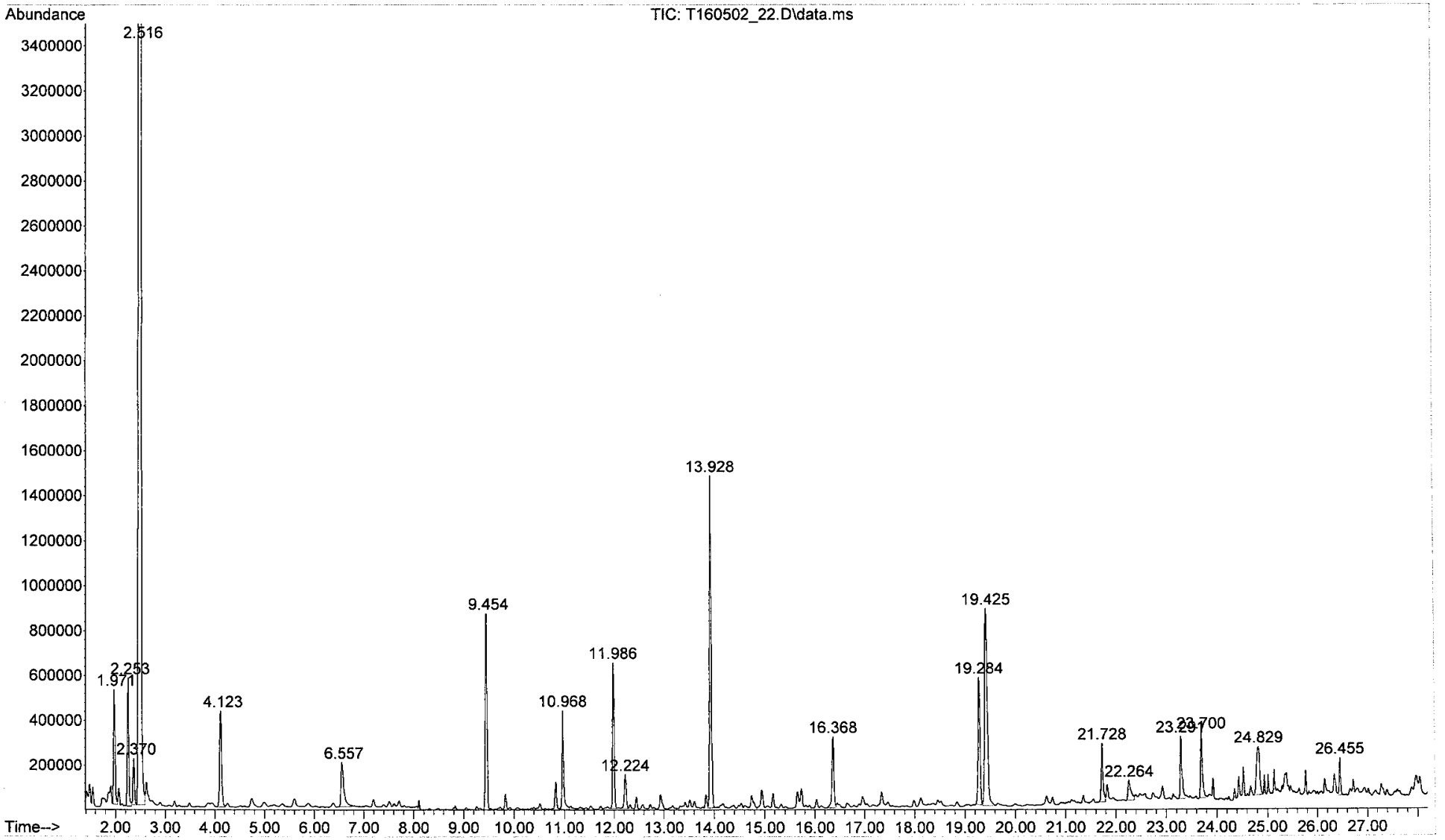
File :C:\msdchem\1\data\2016\May\T160502_20.D
Operator : rgill
Acquired : 3 May 2016 3:49 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-18_US EPA; 6.13L; 242439
Misc Info : C11-18; 14112; 107ngBFB;10:1 split
Vial Number: 20



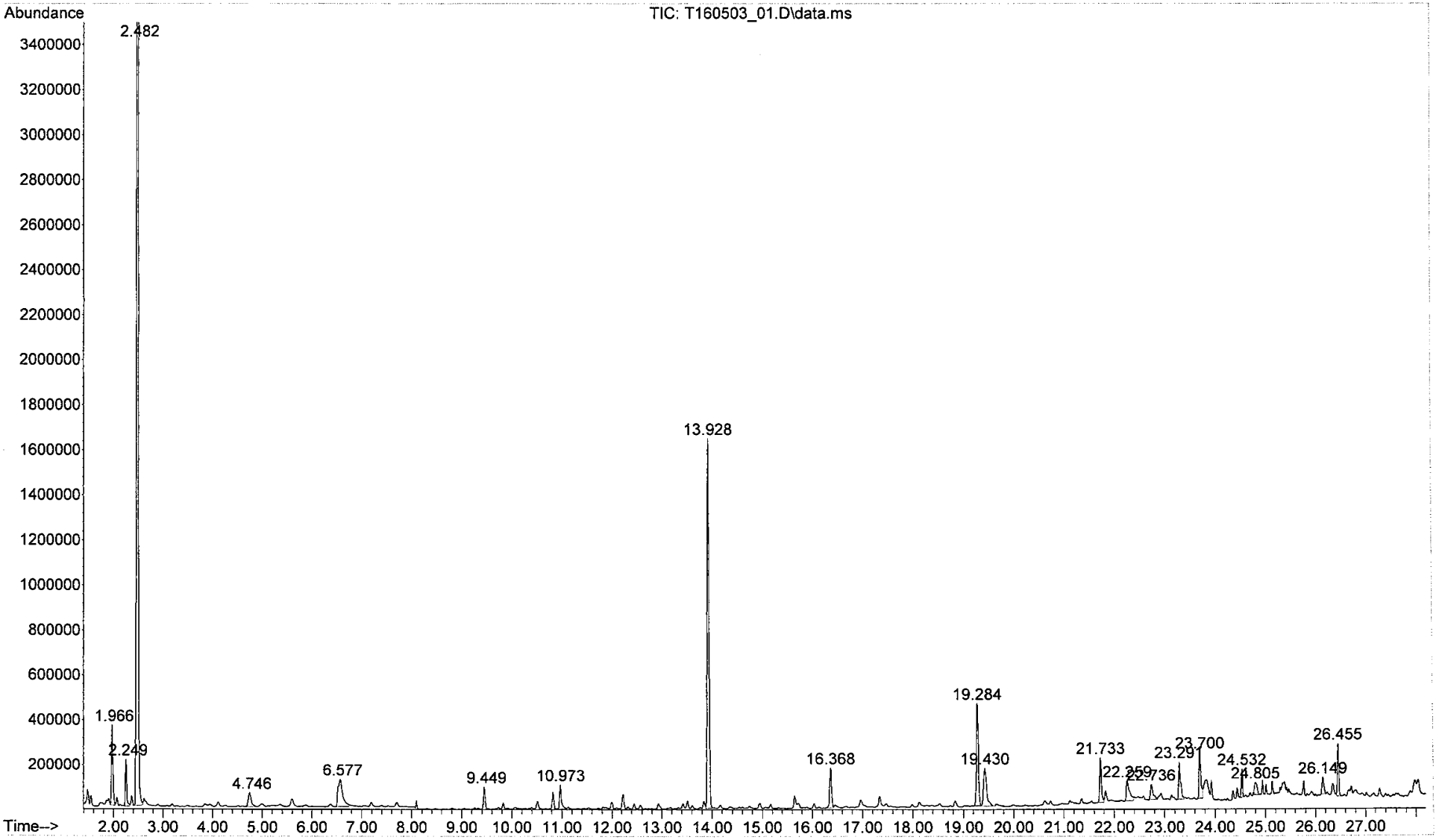
File :C:\msdchem\1\data\2016\May\T160502_21.D
Operator : rgill
Acquired : 3 May 2016 4:37 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-19_US EPA; 5.96L; Mi51119
Misc Info : C11-19; 15322; 107ngBFB;10:1 split
Vial Number: 21



File :C:\msdchem\1\data\2016\May\T160502_22.D
Operator : rgill
Acquired : 3 May 2016 5:25 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-20_US EPA; 5.79L; 203172
Misc Info : C11-20; 15248; 107ngBFB;10:1 split
Vial Number: 22



File :C:\msdchem\1\data\2016\May\T160503_01.D
Operator : rgill
Acquired : 3 May 2016 11:49 am using AcqMethod 130812VOC.M
Instrument : GCMS_7890
Sample Name: 061-032-08_US EPA; 5.53L; Mi59957
Misc Info : C11-08; 10151; 107ngBFB;10:1 split
Vial Number: 11



The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-01_US EPA; 5.65L; 242491

2/16/2016, Rgill

	BFB(ng)	RF		
TIC: T160502_03.D\data.ms	107	0.97	5.65	

RT	Area	RelResp	Mass ng	Conc. ug/m3	ppb	Compound
13.93	3624660.0	1.000	110.3	19.5		bfb-Istd
23.71	461285.0	0.127	23.5	4.2	0.9	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-02_US EPA; 5.78L; 242481

2/16/2016, Rgill

	BFB(ng)	RF		
TIC: T160502_04.D\data.ms	107	0.97	5.78	

RT	Area	RelResp	Mass ng	Conc. ug/m3	ppb	Compound
13.93	3566389.0	1.000	110.3	19.1		bfb-Istd
23.71	572605.0	0.161	33.6	5.8	1.3	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-03_US EPA; 5.98L; 242453

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_05.D\data.ms	107		0.97	5.98	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3733484.0	1.000	110.3	18.4	bfb-Istd
23.71	134608.0	0.036	4.1	0.7	0.1 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-04_US EPA; 6.45L; 203103

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_06.D\data.ms	107		0.97	6.45	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3475244.0	1.000	110.3	17.1	bfb-Istd
23.71	651168.0	0.187	36.6	5.7	1.2 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-05_US EPA; 7.23L; Mi51152

2/16/2016, Rgill

		BFB(ng)	RF				
TIC: T160502_07.D\data.ms		107		0.97	7.23		
				Mass	**Conc.**		
RT	Area	RelResp		ng	ug/m3	ppb	Compound
13.93	3893092	1.000		110.3	15.3		bfb-istd
23.71	700552	0.180		32.6	4.5	1.0	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-06_US EPA; 6.21L; 203169

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_08.D\data.ms	107		0.97	6.21	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3392472.0	1.000	110.3	17.8	bfb-Istd
23.71	80938.0	0.024	4.1	0.7	0.1 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-07_US EPA; 5.41L; Mi51175

2/16/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_09.D\data.ms	107		0.97	5.41	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3678687.0	1.000	110.3	20.4	bfb-Istd
23.71	537596.0	0.146	27.8	5.1	1.1 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-08_US EPA; 5.53L; Mi59957

5/3/2016, Rgill

	BFB(ng)	RF			
TIC: T160503_01.D\data.ms	107		0.97	5.53	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3881360	1.000	110.3	19.9	bfb-Istd
23.71	533508	0.137	30.1	5.4	1.2 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-09_US EPA; 5.33L; Mi193213

5/3/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_11.D\data.ms	107		0.97	5.33	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3484423.0	1.000	110.3	20.7	bfb-Istd
23.71	437322.0	0.126	29.4	5.5	1.2 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-10_US EPA; 5.55L; Mi58840

5/3/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_12.D\data.ms	107		0.97	5.55	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3553388.0	1.000	110.3	19.9	bfb-Istd
23.71	435504.0	0.123	27.0	4.9	1.1 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-11_US EPA; 5.75L; Mi193208

5/3/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_13.D\data.ms	107		0.97	5.75	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3477031.0	1.000	110.3	19.2	bfb-Istd
23.71	460787.0	0.133	31.1	5.4	1.2 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-12_US EPA; 5.87L; Mi59921

5/3/2016, Rgill

	BFB(ng)	RF		
TIC: T160502_14.D\data.ms	107	0.97	5.87	

RT	Area	RelResp	Mass ng	Conc. ug/m3	ppb	Compound
13.93	3647916.0	1.000	110.3	18.8		bfb-istd
23.71	617905.0	0.169	28.8	4.9	1.1	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-13_US EPA; 5.67L; Mi59922

5/3/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_15.D\data.ms	107		0.97	5.67	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3706210.0	1.000	110.3	19.5	bfb-Istd
23.71	612938.0	0.165	33.6	5.9	1.3 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-14_US EPA; 5.59L; 203199

5/3/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_16.D\data.ms	107		0.97	5.59	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3669344	1.000	110.3	19.7	bfb-Istd
23.71	416710	0.114	24.7	4.4	1.0 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-15_US EPA; 5.82L; Mi193240

5/3/2016, Rgill

	BFB(ng)	RF		
TIC: T160502_17.D\data.ms	107	0.97	5.82	

RT	Area	RelResp	Mass ng	Conc. ug/m3	ppb	Compound
13.93	3557198.0	1.000	110.3	19.0		bfb-Istd
23.71	456693.0	0.128	28.4	4.9	1.1	Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-16_US EPA; 5.58L; 242472

5/3/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_18.D\data.ms	107		0.97	5.58	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3781199.0	1.000	110.3	19.8	bfb-istd
23.71	627382.0	0.166	35.2	6.3	1.4 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-17_US EPA; 5.12L; 242462

5/3/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_19.D\data.ms	107		0.97	5.12	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3780453.0	1.000	110.3	21.5	bfb-Istd
23.71	457684.0	0.121	26.1	5.1	1.1 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-18_US EPA; 6.13L; 242439

5/3/2016, Rgill

	BFB(ng)	RF			
TIC: T160502_20.D\data.ms	107		0.97	6.13	
			Mass	**Conc.**	
RT	Area	RelResp	ng	ug/m3	ppb Compound
13.93	3687498.0	1.000	110.3	18.0	bfb-lstd
23.71	782227.0	0.212	45.3	7.4	1.6 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-19_US EPA; 5.96L; Mi51119

5/3/2016, Rgill

		BFB(ng)	RF			
TIC: T160502_21.D\data.ms		107		0.97	5.96	
				Mass	**Conc.**	
RT	Area	RelResp		ng	ug/m3	ppb Compound
13.93	3676913.0	1.000		110.3	18.5	bfb-istd
23.71	989677.0	0.269		59.2	9.9	2.1 Caprolactam

The mass for the UC compounds are calculated based on TIC using Toluene response factor.
TIC Unconfirmed
061-032-20_US EPA; 5.79L; 203172

5/3/2016, Rgill

		BFB(ng)	RF			
TIC: T160502_22.D\data.ms		107	0.97	5.79		
			Mass	**Conc.**		
RT	Area	RelResp	ng	ug/m3	ppb	Compound
13.93	3514993.0	1.000	110.3	19.1		bfb-Istd
23.71	812069.0	0.231	45.6	7.9	1.7	Caprolactam

061-032-21 53.56 litres
US EPA
F11-01 collected: 4/26/2016
01; 11137

061-032-22 55.42 litres
US EPA
F11-02 collected: 4/26/2016
F11-02; 11350

061-032-23 56.5 litres
US EPA
F11-03 collected: 4/26/2016
F11-03;4121.H

061-032-24 60.37 litres
US EPA
F11-04 collected: 4/26/2016
F11-04;3363

061-032-25 69.17 litres
US EPA
F11-05 collected: 4/26/2016
F11-05;3320

061-032-26 58.38 litres
US EPA
F11-06 collected: 4/26/2016
F11-06;6300m

061-032-27 50.69 litres
US EPA
F11-07 collected: 4/26/2016
F11-07;10344

061-032-28 52.7 litres
US EPA
F11-08 collected: 4/26/2016
F11-08;10151

061-032-29 50.39 litres
US EPA
F11-09 collected: 4/26/2016
F11-09;10146

061-032-30 52.8 litres
US EPA
F11-10 collected: 4/26/2016
F11-10;10366

061-032-31 55.73 litres
US EPA
F11-11 collected: 4/26/2016
F11-11;12441

061-032-32 55.87 litres
US EPA
F11-12 collected: 4/26/2016
F11-12;12414

061-032-33 53.83 litres
US EPA
F11-13 collected: 4/26/2016
F11-13;12351

061-032-34 53.78 litres
US EPA
F11-14 collected: 4/26/2016
F11-14;12144

061-032-35 54.61 litres
US EPA
F11-15 collected: 4/26/2016
F11-15; 14414

061-032-36 52.54 litres
US EPA
F11-16 collected: 4/26/2016
F11-16;14364

061-032-37 49.29 litres
US EPA
F11-17 collected: 4/26/2016
F11-17;14246

061-032-38 57.84 litres
US EPA
F11-18 collected: 4/26/2016
F11-18;14112

061-032-39 56.05 litres
US EPA
F11-19 collected: 4/26/2016
F11-19;15322

061-032-40 55.41 litres
US EPA
F11-20 collected: 4/26/2016
F11-20;15248

061-032-01 5.65 litres
US EPA
242491 collected: 4/26/2016
C11-01; 11137

061-032-02 5.78 litres
US EPA
242481 collected: 4/26/2016
C11-02;11350

061-032-03 5.98 litres
US EPA
242453 collected: 4/26/2016
C11-03; 4121-H

061-032-04 6.45 litres
US EPA
203103 collected: 4/26/2016
C11-04; 3363

061-032-05 7.23 litres
US EPA
Mi51152 collected: 4/26/2016
C11-05;3320

061-032-06 6.21 litres
US EPA
203169 collected: 4/26/2016
C11-06; 6300m

061-032-07 5.41 litres
US EPA
Mi51175 collected: 4/26/2016
C11-07; 10344

061-032-08 5.53 litres
US EPA
Mi59957 collected: 4/26/2016
C11-08; 10151

061-032-09 5.33 litres
US EPA
Mi193213 collected: 4/26/2016
C11-09;10146

061-032-10 5.55 litres
US EPA
Mi58840 collected: 4/26/2016
C11-10; 10366

061-032-11 5.75 litres
US EPA
Mi193208 collected: 4/26/2016
C11-11; 12441

061-032-12 5.87 litres
US EPA
Mi59921 collected: 4/26/2016
C11-12; 12414

061-032-13 5.67 litres
US EPA
Mi59922 collected: 4/26/2016
C11-13; 12351

061-032-14 5.59 litres
US EPA
203199 collected: 4/26/2016
C11-14; 12144

061-032-15 5.82 litres
US EPA
Mi193240 collected: 4/26/2016
C11-15; 14414

061-032-16 5.58 litres
US EPA
242472 collected: 4/26/2016
C11-16; 14364

061-032-17 5.12 litres
US EPA
242462 collected: 4/26/2016
C11-17; 14246

061-032-18 6.13 litres
US EPA
242439 collected: 4/26/2016
C11-18; 14112

061-032-19 5.96 litres
US EPA
Mi51119 collected: 4/26/2016
C11-19; 15322

061-032-20 5.79 litres
US EPA
203172 collected: 4/26/2016
C11-20; 15248