Mountain States ACCUTEST LABORATORIES

11/17/11

Technical Report for

KRW Consulting, Inc.

XOM FRU 197-33A

1103-03A

Accutest Job Number: D29455

Sampling Date: 11/14/11

Report to:

KRW Consulting, Inc.
8000 West 14th Avenue Suite 200
Lakewood, CO 80214
cburger@krwconsulting.com; gknell@krwconsulting.com;
dknudson@krwconsulting.com; jhess@krwconsulting.com;
ATTN: Dwayne Knudson

Total number of pages in report: **57**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Brad Madadian
Laboratory Director

Client Service contact: 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW) UT (NELAP CO00049)

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

Sample Summary

KRW Consulting, Inc.

Job No: D29455

XOM FRU 197-33A
Project No: 1103-03A

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D29455-1	11/14/11	11:30	CB	11/15/11	SO	Soil	FRESH WATER SUBLINER

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	KRW Consulting, Inc.	**Job No**	D29455
Site:	XOM FRU 197-33A	**Report Dat**	11/17/2011 5:19:11 PM

On 11/15/2011, 1 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 1 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D29455 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO **Batch ID:** V3V843

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D29424-4MS, D29424-4MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015B

Matrix SO **Batch ID:** GGB792

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846-8015B

Matrix SO **Batch ID:** OP4862

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D29455-1MS, D29455-1MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix SO **Batch ID:** GN12524

- The data for SM19 2540B M meets quality control requirements.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Mountain States ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: FRESH WATER SUBLINER
Lab Sample ID: D29455-1
Matrix: SO - Soil
Method: SW846 8260B
Project: XOM FRU 197-33A

Date Sampled: 11/14/11
Date Received: 11/15/11
Percent Solids: 88.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V14616.D	1	11/15/11	DC	n/a	n/a	V3V843
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.02 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	63	28	ug/kg	
108-88-3	Toluene	ND	130	63	ug/kg	
100-41-4	Ethylbenzene	43.0	130	31	ug/kg	J
1330-20-7	Xylene (total)	973	250	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	107%		61-130%
460-00-4	4-Bromofluorobenzene	124%		53-131%
17060-07-0	1,2-Dichloroethane-D4	106%		62-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	FRESH WATER SUBLINER		
Lab Sample ID:	D29455-1	**Date Sampled:**	11/14/11
Matrix:	SO - Soil	**Date Received:**	11/15/11
Method:	SW846 8015B	**Percent Solids:**	88.3
Project:	XOM FRU 197-33A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB13947.D	1	11/17/11	SK	n/a	n/a	GGB792
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	51.8	13	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	109%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: FRESH WATER SUBLINER
Lab Sample ID: D29455-1
Matrix: SO - Soil
Method: SW846-8015B SW846 3546
Project: XOM FRU 197-33A

Date Sampled: 11/14/11
Date Received: 11/15/11
Percent Solids: 88.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI04509.D	1	11/16/11	CS	11/16/11	OP4862	GFI331
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	2710	15	9.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		61-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Mountain States ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
Accutest Laboratories Mountain States
4036 Youngfield Street Wheat Ridge, Co 80033
TEL. 303-425-6021 877-737-4521
FAX 303-425-6021

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # D29455

Client / Reporting Information

Company Name: KRW Consulting Inc
Street Address: 8000 W. 14th Ave Ste 200
City: Lakewood State: CO Zip: 80214
Project Contact: Dwayne Knudson E-mail:
Phone #: 9706754066 Fax #:
Sampler(s) Name(s): Craig Burger Phone #: 970 758 2493

Project Information

Project Name: XOM FRU 197-33A
Street:
City:
Project#: 1103-03A
Client PO#:
Project Manager: Joe Hess

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Table 610-1

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Disallute	LAB USE ONLY
	Freshwater Sublliner		11-14-11	11:30	CAB	SO	5					5					01
																	02
																	11/15/11

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] Commercial "B" +Narrative
- [ ] FULLT1 (Level 3+4)
- [ ] State Forms
- [ ] EDD Format
- [x] PDF

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day RUSH
- [x] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Comments / Special Instructions

Please email results to KRW
Pitcrew & XOM Team
Please run BTEX & TPH (6RO/DRO)
hold other analytes pending results.

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		11/14/11 17:00	1 Route Service Center	2		2 James B Jordan 11/15/11 1200
3			3	4		4
5			5	Custody Seal # NO/CO	Intact / Not Intact	Preserved where applicable: On Ice: Cooler Temp. 1.0

D29455: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D29455 **Client:** KRW CONSULTING INC. **Immediate Client Services Action Required:** No

Date / Time Received: 11/15/2011 12:00:00 P **No. Coolers:** 1 **Client Service Action Required at Login:** No

Project: XOM FRU 197-33A **Airbill #'s:** HD/CO

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	
2. Trip Blank listed on COC:	☐		☐	
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume rec'd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:(303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www/accutest.com

D29455: Chain of Custody
Page 2 of 2

Mountain States ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D29455
Account: KRWCCOL KRW Consulting, Inc.
Project: XOM FRU 197-33A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V843-MB	3V14603.D	1	11/15/11	DC	n/a	n/a	V3V843

The QC reported here applies to the following samples: **Method:** SW846 8260B

D29455-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	22	ug/kg	
100-41-4	Ethylbenzene	ND	100	25	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	200	100	ug/kg	

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	107%	61-130%
460-00-4	4-Bromofluorobenzene	101%	53-131%
17060-07-0	1,2-Dichloroethane-D4	103%	62-130%

Blank Spike Summary

Job Number: D29455
Account: KRWCCOL KRW Consulting, Inc.
Project: XOM FRU 197-33A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V843-BS	3V14604.D	1	11/15/11	DC	n/a	n/a	V3V843

The QC reported here applies to the following samples: **Method:** SW846 8260B

D29455-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	57.2	114	70-130
100-41-4	Ethylbenzene	50	57.2	114	70-130
108-88-3	Toluene	50	55.5	111	70-130
1330-20-7	Xylene (total)	150	174	116	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	105%	61-130%
460-00-4	4-Bromofluorobenzene	115%	53-131%
17060-07-0	1,2-Dichloroethane-D4	110%	62-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D29455
Account: KRWCCOL KRW Consulting, Inc.
Project: XOM FRU 197-33A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D29424-4MS	3V14606.D	1	11/15/11	DC	n/a	n/a	V3V843
D29424-4MSD	3V14607.D	1	11/15/11	DC	n/a	n/a	V3V843
D29424-4	3V14605.D	1	11/15/11	DC	n/a	n/a	V3V843

The QC reported here applies to the following samples: **Method:** SW846 8260B

D29455-1

CAS No.	Compound	D29424-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		3080	3610	117	3610	117	0	70-134/30
100-41-4	Ethylbenzene	ND		3080	3540	115	3530	115	0	70-137/30
108-88-3	Toluene	ND		3080	3420	111	3380	110	1	70-130/30
1330-20-7	Xylene (total)	ND		9230	10700	116	10600	115	1	61-131/30

CAS No.	Surrogate Recoveries	MS	MSD	D29424-4	Limits
2037-26-5	Toluene-D8	103%	103%	108%	61-130%
460-00-4	4-Bromofluorobenzene	114%	114%	108%	53-131%
17060-07-0	1,2-Dichloroethane-D4	104%	102%	105%	62-130%

Mountain States ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Judy Melson 11/16/11 13:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3111511.S\
Data File : 3V14616.D
Acq On : 15 Nov 2011 4:51 pm
Operator : DONC
Sample : D29455-1, 50x
Misc : MS2960,V3V843,5.024,,100,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 16 11:01:34 2011
Quant Method : C:\msdchem\1\METHODS\V3AP830TVH830.M
Quant Title : 8260
QLast Update : Mon Nov 07 14:42:41 2011
Response via : Initial Calibration

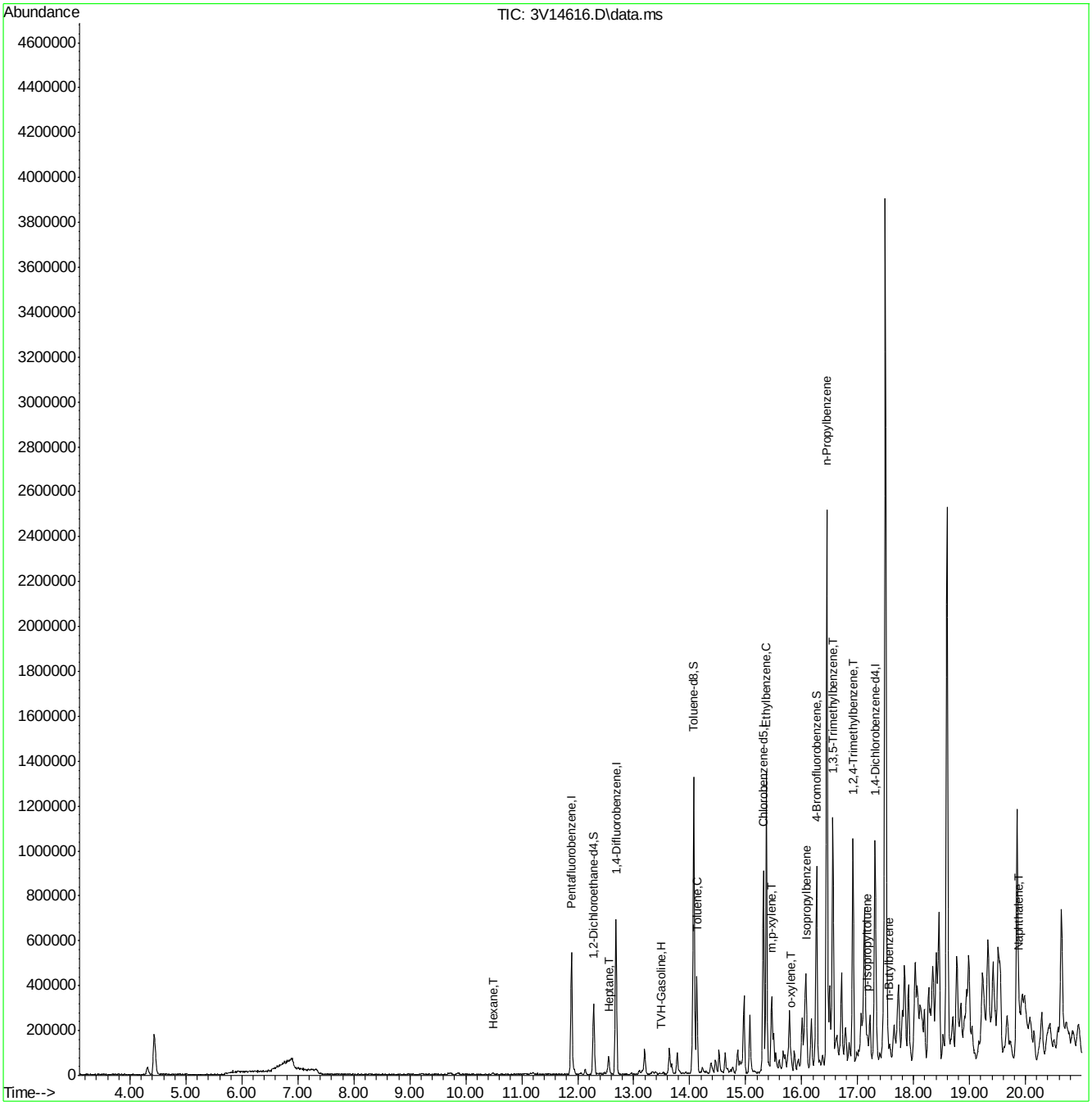
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Pentafluorobenzene	11.886	168	351315	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	12.679	114	588778	50.00	ug/l	0.00
53) Chlorobenzene-d5	15.316	117	521257	50.00	ug/l	0.00
74) 1,4-Dichlorobenzene-d4	17.309	152	312378	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	12.281	102	49300	53.12	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.24%			
61) Toluene-d8	14.071	98	830346	53.40	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.80%			
69) 4-Bromofluorobenzene	16.266	95	314649	62.19	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 124.38%			
Target Compounds						Qvalue
1) TVH-Gasoline	13.491	TIC	17262324m	954.64	ug/l	
41) Hexane	10.477	57	3594	0.71	ug/l	100
43) Heptane	12.554	43	29621	5.28	ug/l	96
62) Toluene	14.136	92	10548	0.99	ug/l	94
66) Ethylbenzene	15.381	91	13401	0.68	ug/l	94
68) Isopropylbenzene	16.093	105	9560	0.49	ug/l	90
72) m,p-xylene	15.464	106	100119	13.54	ug/l	98
73) o-xylene	15.814	106	15417	1.91	ug/l #	72
77) n-Propylbenzene	16.446	91	33682	1.43	ug/l	96
80) 1,3,5-Trimethylbenzene	16.558	105	530356	29.72	ug/l	98
82) 1,2,4-Trimethylbenzene	16.914	105	571801	30.23	ug/l	87
86) p-Isopropyltoluene	17.177	119	54193m	2.55	ug/l	
88) n-Butylbenzene	17.566	91	33634	1.83	ug/l #	76
91) Naphthalene	19.892	128	245446	14.23	ug/l	100

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

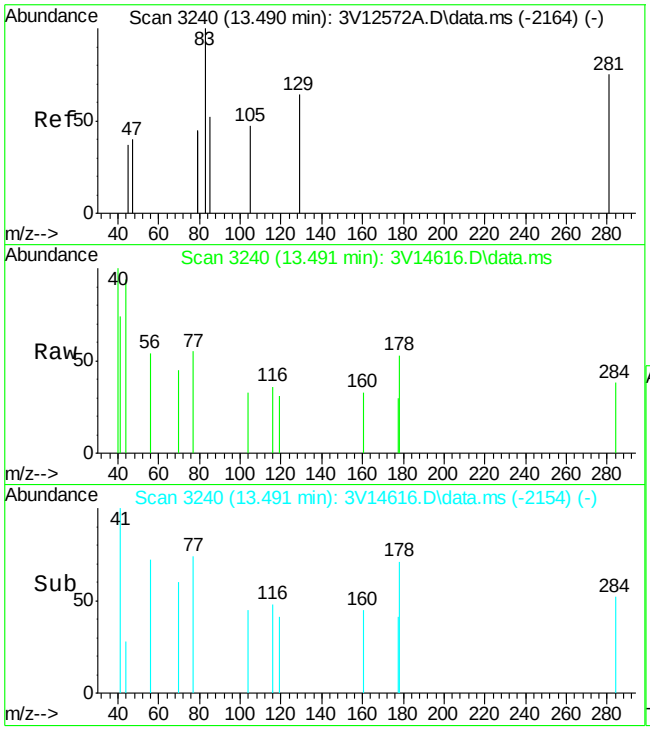
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3111511.S\
Data File : 3V14616.D
Acq On : 15 Nov 2011 4:51 pm
Operator : DONC
Sample : D29455-1, 50x
Misc : MS2960,V3V843,5.024,,100,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 16 11:01:34 2011
Quant Method : C:\msdchem\1\METHODS\V3AP830TVH830.M
Quant Title : 8260
QLast Update : Mon Nov 07 14:42:41 2011
Response via : Initial Calibration

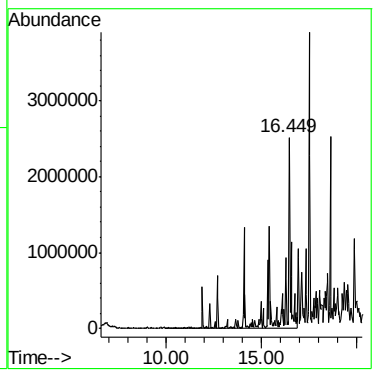


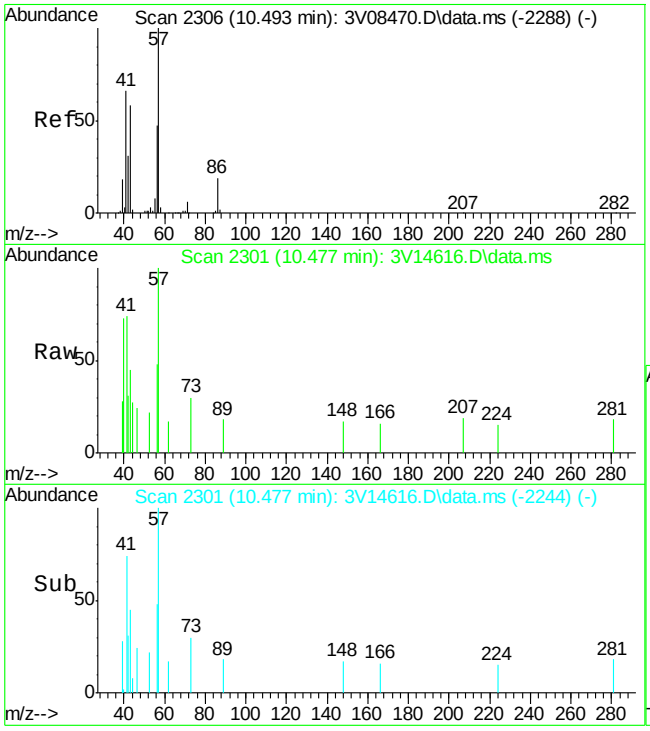
V3AP830TVH830.M Wed Nov 16 11:01:37 2011 VOA3 Page: 2



#1
TVH-Gasoline
Concen: 954.64 ug/l m
RT: 13.491 min Scan# 3240
Delta R.T. 0.000 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

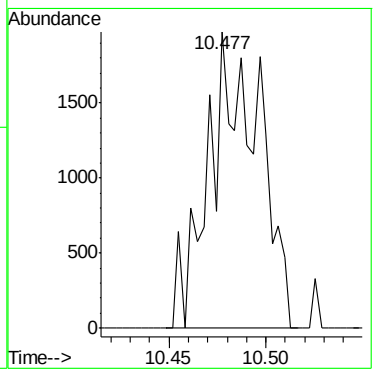
Tgt Ion:TIC Resp:17262324

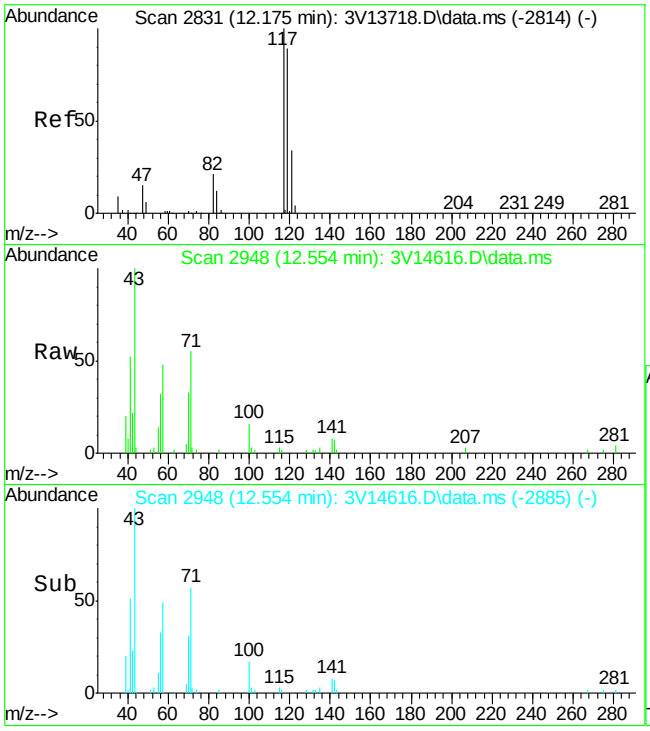




#41
Hexane
Concen: 0.71 ug/l
RT: 10.477 min Scan# 2301
Delta R.T. -0.016 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion: 57 Resp: 3594

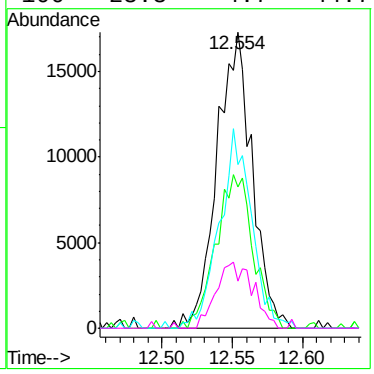


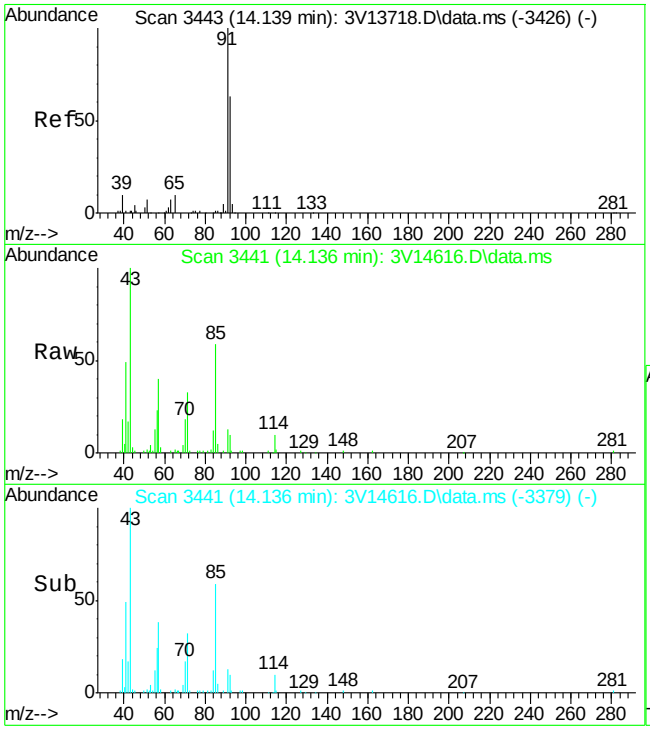


#43
Heptane
Concen: 5.28 ug/l
RT: 12.554 min Scan# 2948
Delta R.T. 0.003 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion: 43 Resp: 29621

Ion	Ratio	Lower	Upper
43	100		
57	55.1	33.4	73.4
71	61.9	46.9	86.9
100	23.3	4.7	44.7

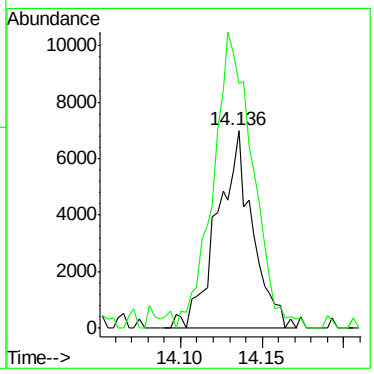


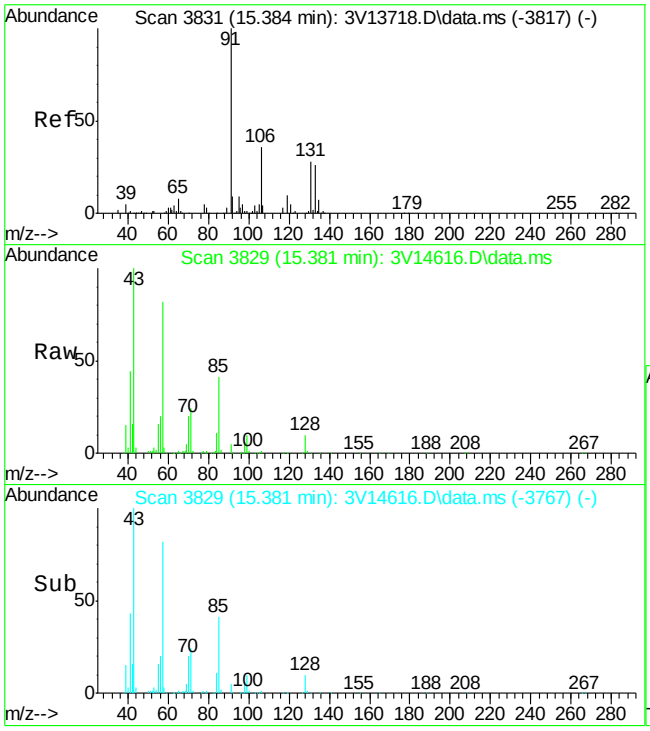


#62
Toluene
Concen: 0.99 ug/l
RT: 14.136 min Scan# 3441
Delta R.T. 0.000 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion: 92 Resp: 10548

Ion	Ratio	Lower	Upper
92	100		
91	168.2	156.8	196.8

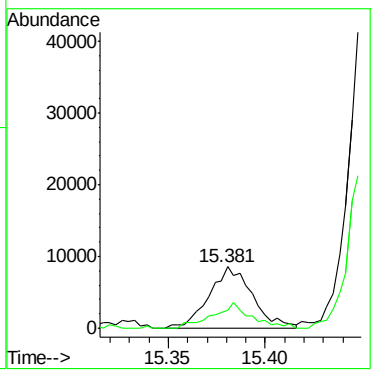


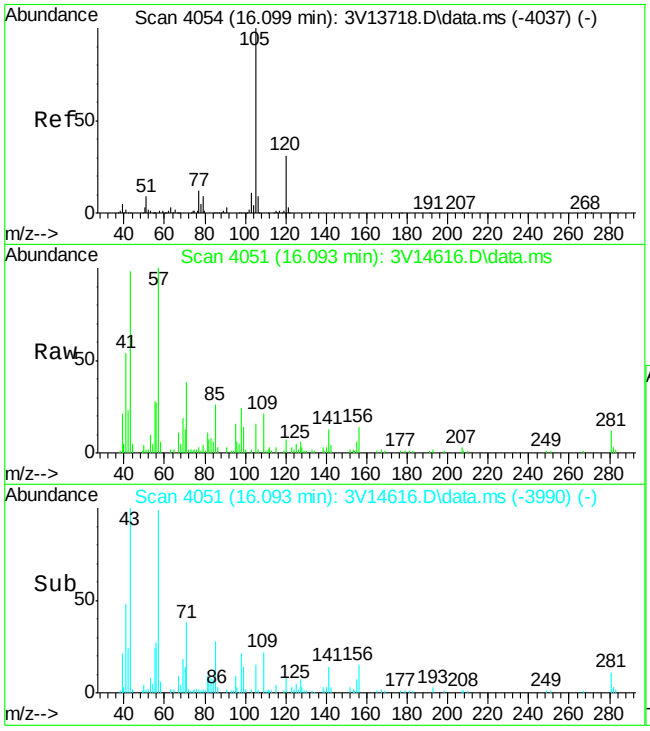


#66
Ethylbenzene
Concen: 0.68 ug/l
RT: 15.381 min Scan# 3829
Delta R.T. -0.002 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion: 91 Resp: 13401

Ion	Ratio	Lower	Upper
91	100		
106	36.6	13.3	53.3

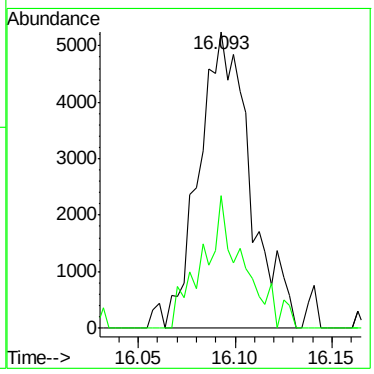


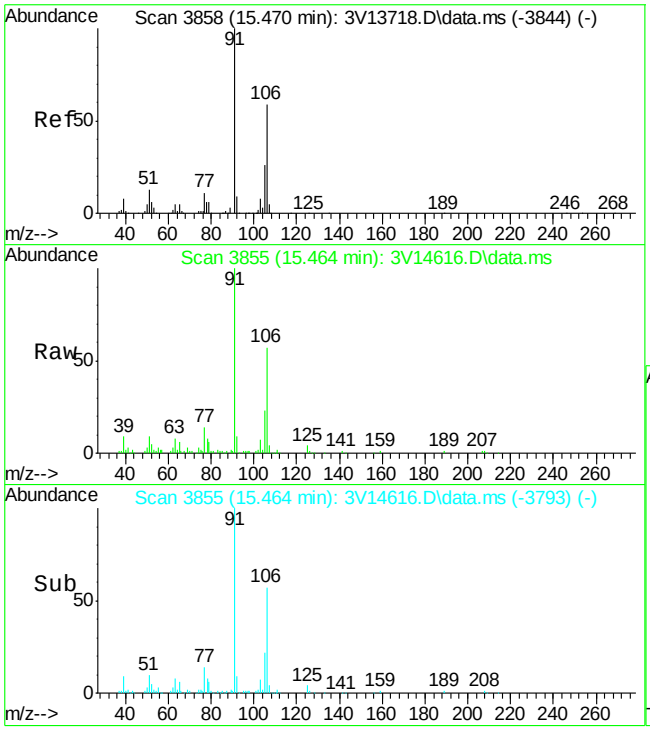


#68
Isopropylbenzene
Concen: 0.49 ug/l
RT: 16.093 min Scan# 4051
Delta R.T. -0.003 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion:105 Resp: 9560

Ion	Ratio	Lower	Upper
105	100		
120	34.2	23.0	34.4

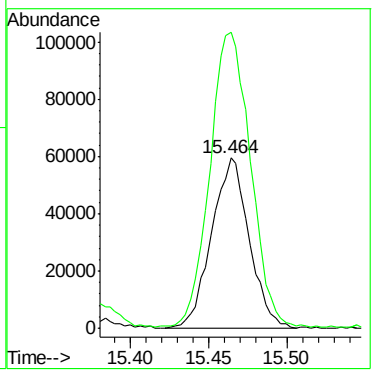


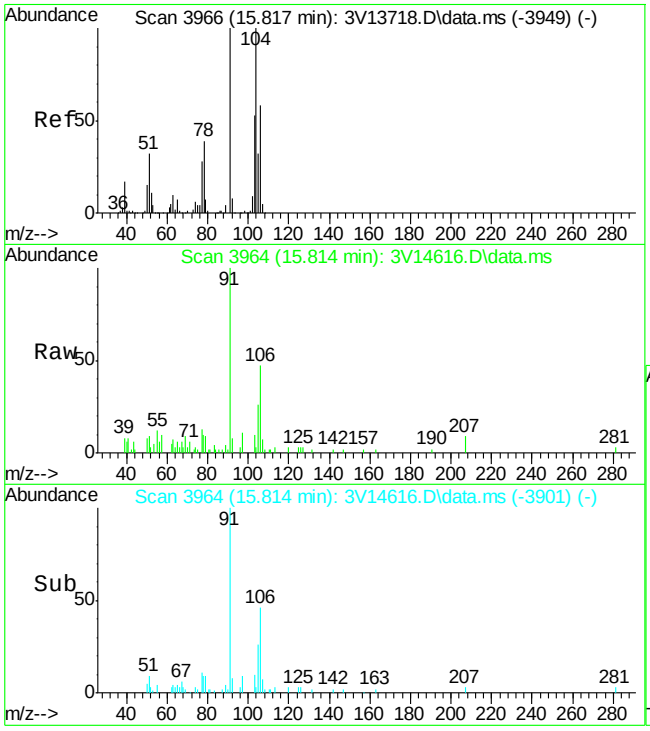


#72
m,p-xylene
Concen: 13.54 ug/l
RT: 15.464 min Scan# 3855
Delta R.T. -0.002 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion:106 Resp: 100119

Ion	Ratio	Lower	Upper
106	100		
91	187.6	164.7	204.7

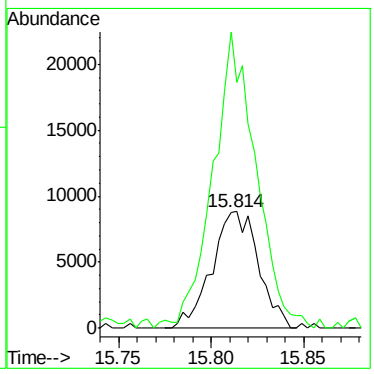


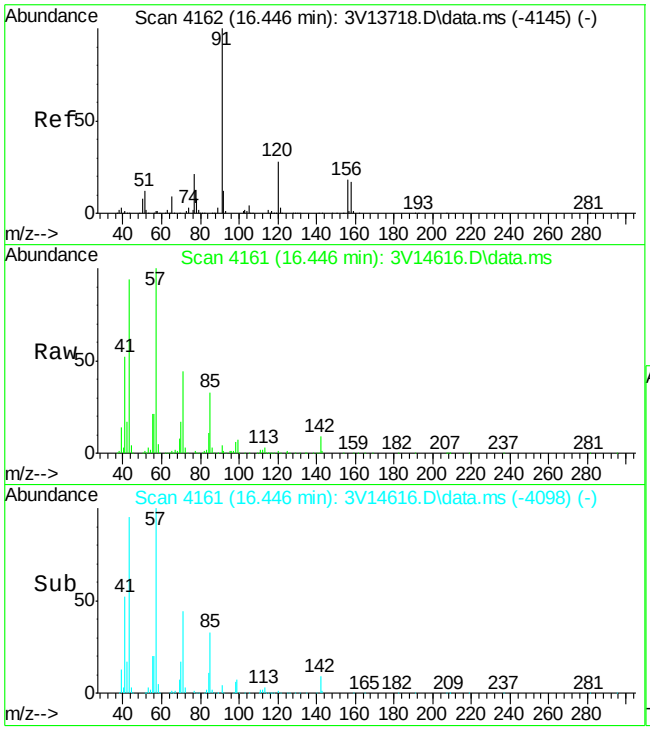


#73
o-xylene
Concen: 1.91 ug/l
RT: 15.814 min Scan# 3964
Delta R.T. 0.001 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion:106 Resp: 15417

Ion	Ratio	Lower	Upper
106	100		
91	235.8	154.8	232.2#

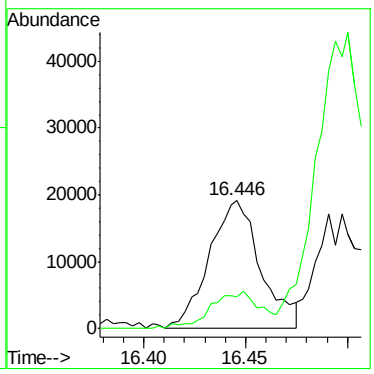


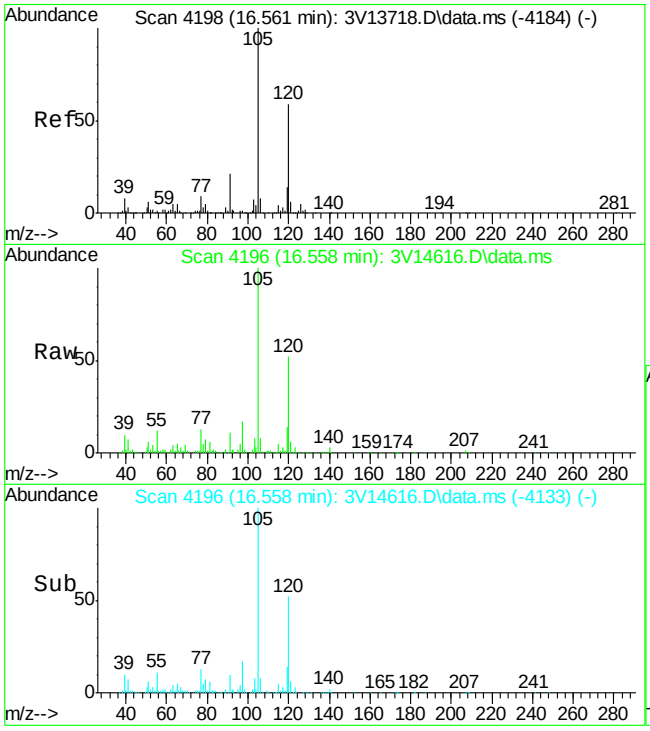


#77
n-Propylbenzene
Concen: 1.43 ug/l
RT: 16.446 min Scan# 4161
Delta R.T. 0.001 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion: 91 Resp: 33682

Ion	Ratio	Lower	Upper
91	100		
120	27.8	20.8	31.2

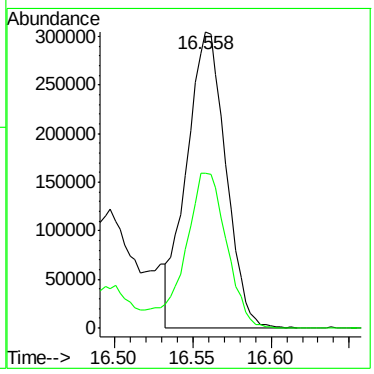


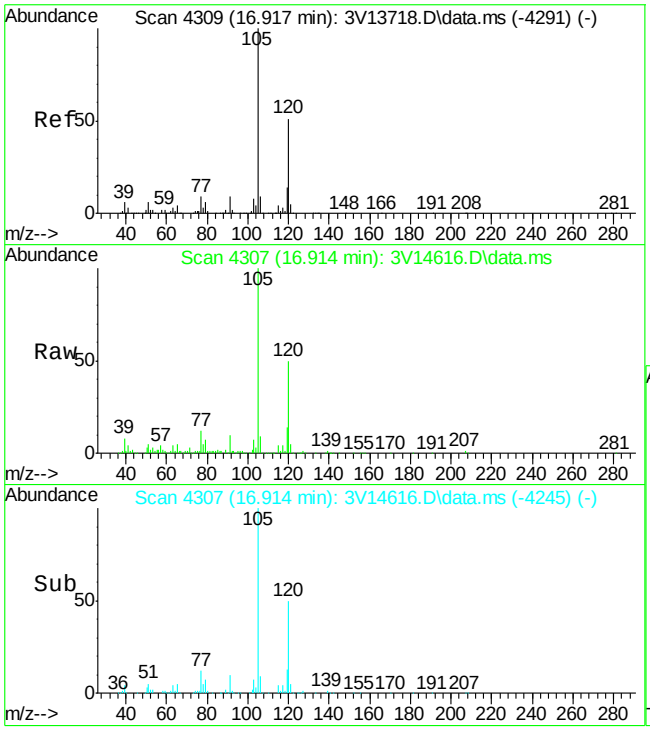


#80
1,3,5-Trimethylbenzene
Concen: 29.72 ug/l
RT: 16.558 min Scan# 4196
Delta R.T. 0.001 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion:105 Resp: 530356

Ion	Ratio	Lower	Upper
105	100		
120	53.6	43.8	65.8

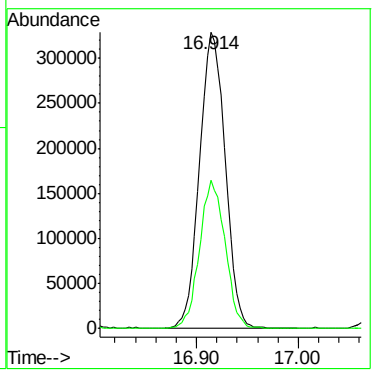


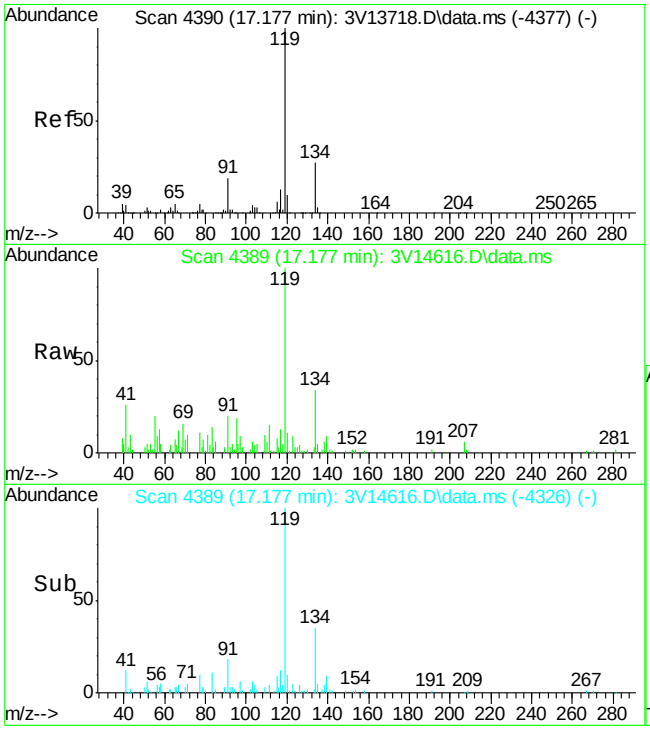


#82
1,2,4-Trimethylbenzene
Concen: 30.23 ug/l
RT: 16.914 min Scan# 4307
Delta R.T. 0.000 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion:105 Resp: 571801

Ion	Ratio	Lower	Upper
105	100		
120	49.6	47.8	71.6

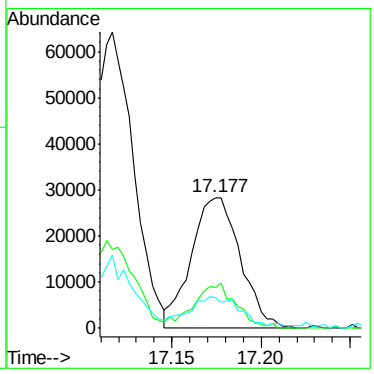


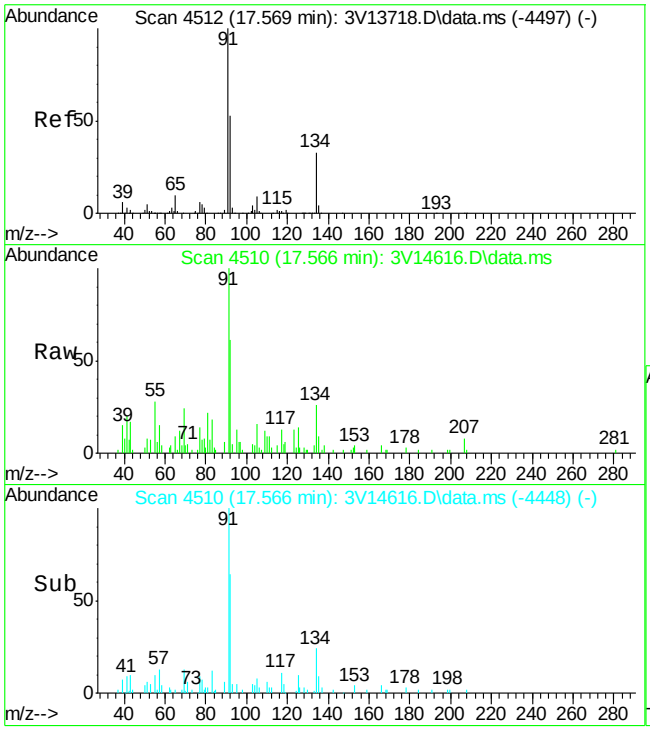


#86
p-Isopropyltoluene
Concen: 2.55 ug/l m
RT: 17.177 min Scan# 4389
Delta R.T. 0.003 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion:119 Resp: 54193

Ion	Ratio	Lower	Upper
119	100		
134	61.1	23.4	35.0#
91	47.3	16.3	24.5#

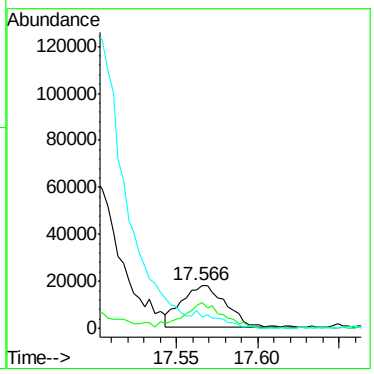


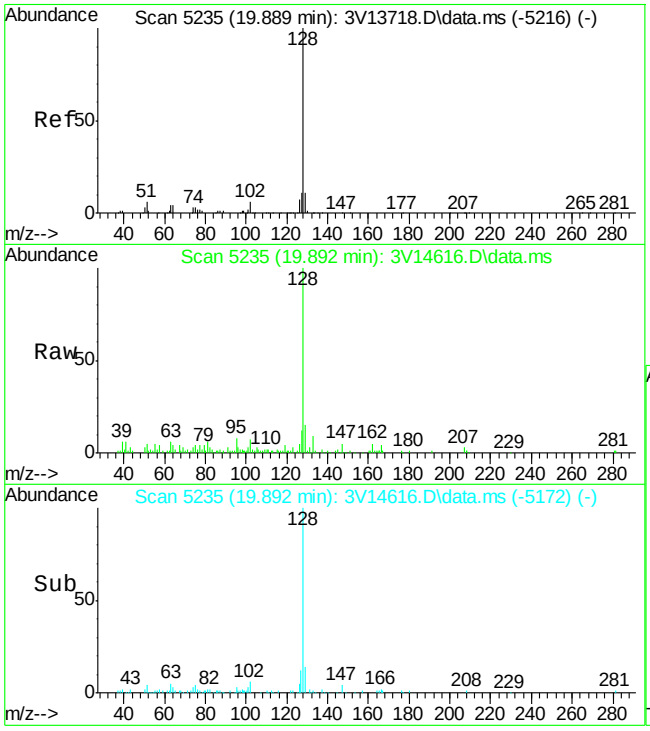


#88
n-Butylbenzene
Concen: 1.83 ug/l
RT: 17.566 min Scan# 4510
Delta R.T. 0.000 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion: 91 Resp: 33634

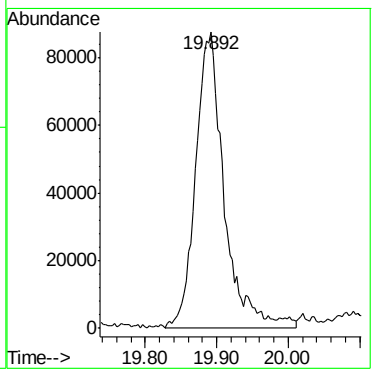
Ion	Ratio	Lower	Upper
91	100		
92	54.7	41.5	62.3
134	0.0	25.4	38.0#





#91
Naphthalene
Concen: 14.23 ug/l
RT: 19.892 min Scan# 5235
Delta R.T. 0.003 min
Lab File: 3V14616.D
Acq: 15 Nov 2011 4:51 pm

Tgt Ion:128 Resp: 245446



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3111511.S\
Data File : 3V14603.D
Acq On : 15 Nov 2011 10:08 am
Operator : DONC
Sample : MB, MEB111511
Misc : MS2960,V3V843,5,,100,5,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 16 10:42:05 2011
Quant Method : C:\msdchem\1\METHODS\V3AP830TVH830.M
Quant Title : 8260
QLast Update : Mon Nov 07 14:42:41 2011
Response via : Initial Calibration

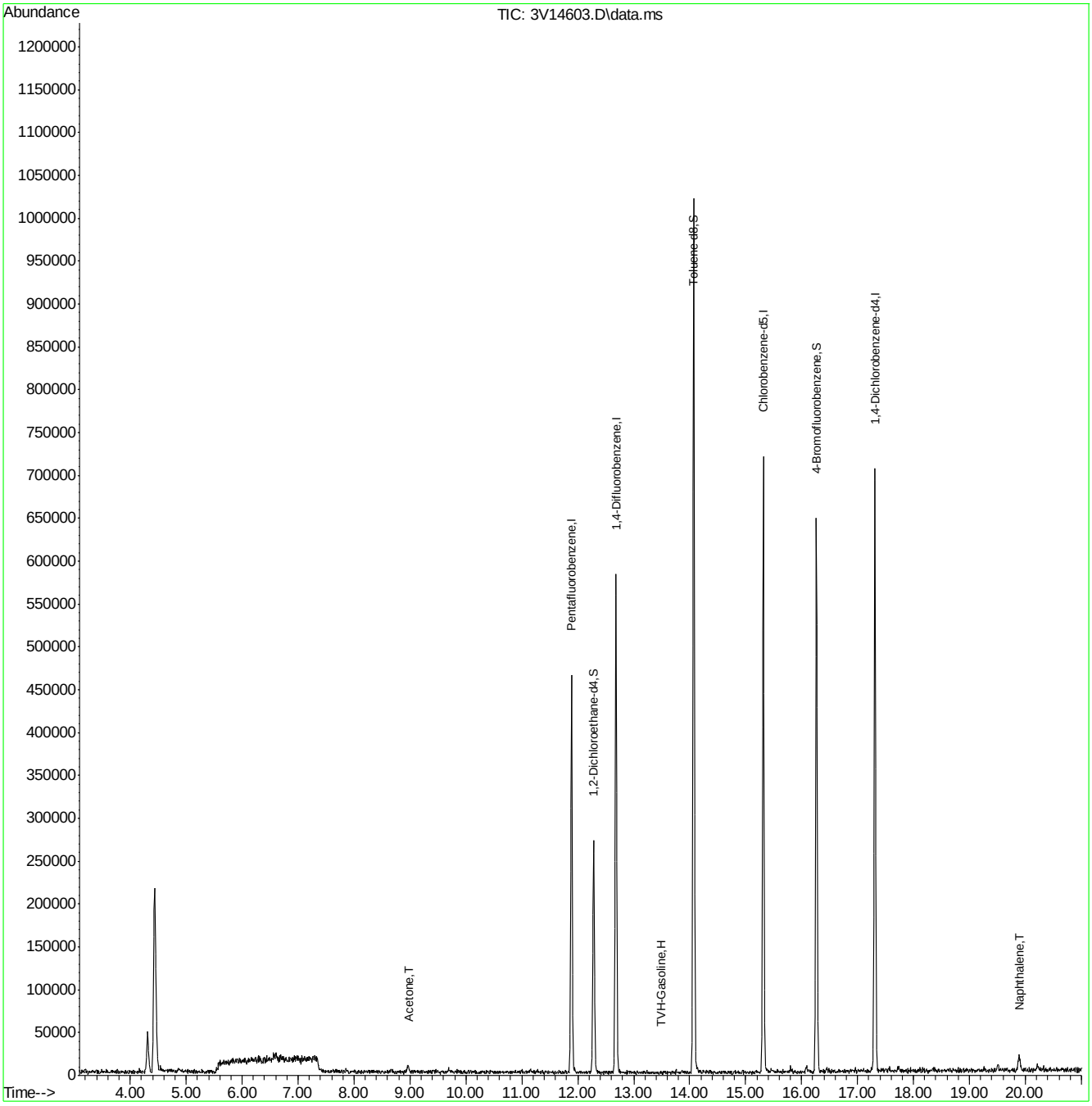
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) Pentafluorobenzene	11.886	168	303292	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	12.682	114	500893	50.00	ug/l	0.00
53) Chlorobenzene-d5	15.316	117	426853	50.00	ug/l	0.00
74) 1,4-Dichlorobenzene-d4	17.309	152	218836	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	12.280	102	41291	51.54	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.08%			
61) Toluene-d8	14.074	98	678798	53.31	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.62%			
69) 4-Bromofluorobenzene	16.263	95	209067	50.46	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.92%			
Target Compounds						Qvalue
1) TVH-Gasoline	13.491	TIC	153884m	21.10	ug/l	
15) Acetone	8.963	58	3103	2.57	ug/l	98
91) Naphthalene	19.892	128	21200	1.75	ug/l	100

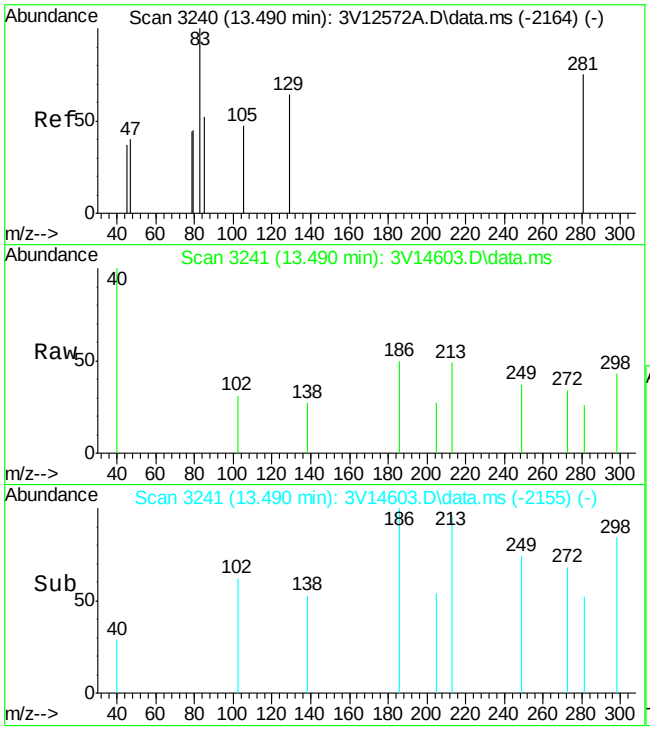
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3111511.S\
Data File : 3V14603.D
Acq On : 15 Nov 2011 10:08 am
Operator : DONC
Sample : MB, MEB111511
Misc : MS2960,V3V843,5,,100,5,1
ALS Vial : 3 Sample Multiplier: 1

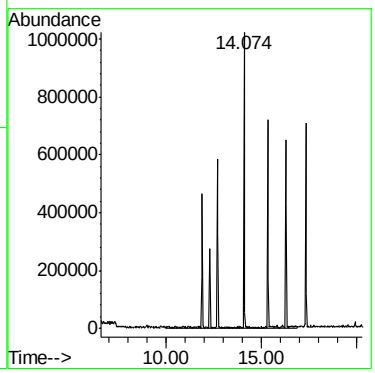
Quant Time: Nov 16 10:42:05 2011
Quant Method : C:\msdchem\1\METHODS\V3AP830TVH830.M
Quant Title : 8260
QLast Update : Mon Nov 07 14:42:41 2011
Response via : Initial Calibration

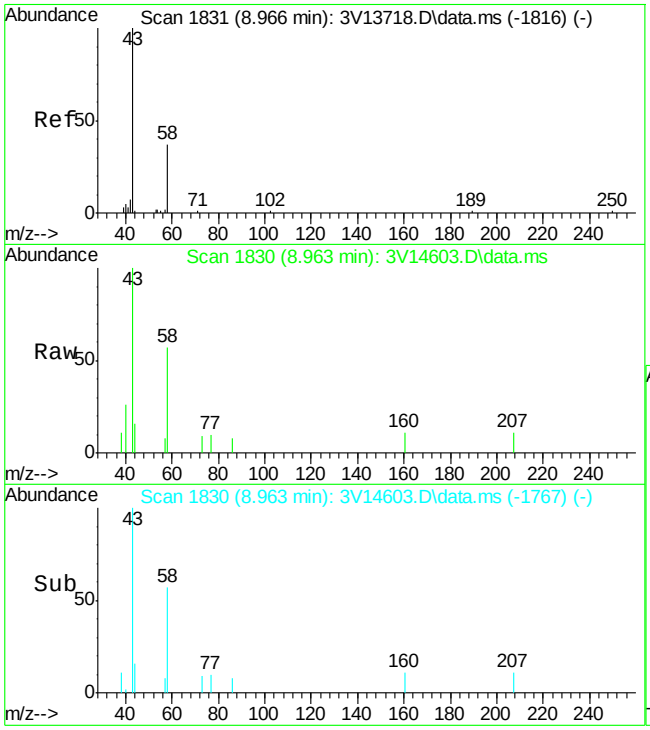




#1
TVH-Gasoline
Concen: 21.10 ug/l m
RT: 13.491 min Scan# 3241
Delta R.T. 0.000 min
Lab File: 3V14603.D
Acq: 15 Nov 2011 10:08 am

Tgt Ion:TIC Resp: 153884

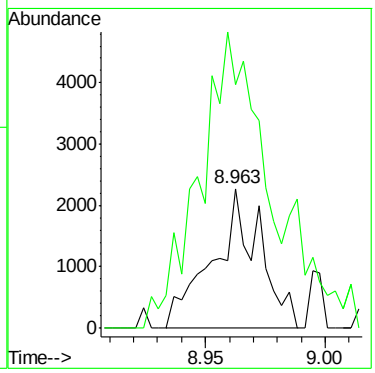


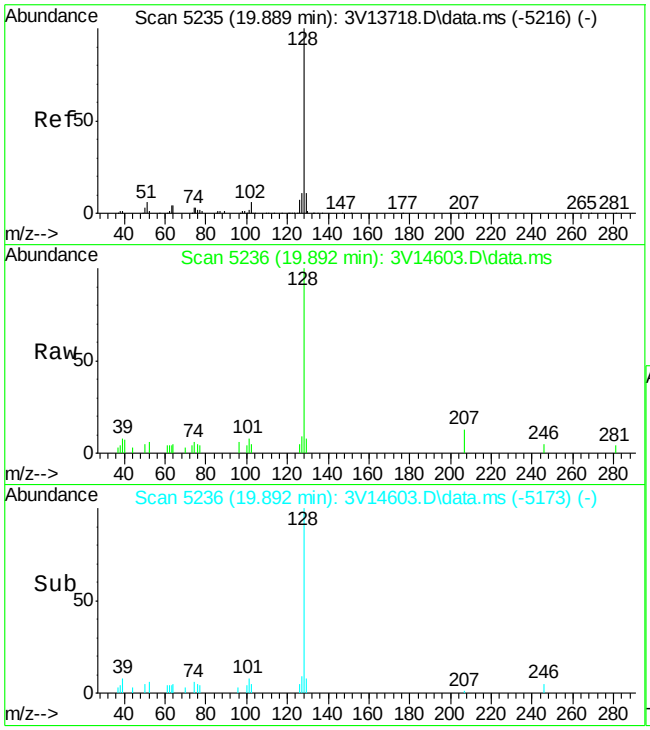


#15
Acetone
Concen: 2.57 ug/l
RT: 8.963 min Scan# 1830
Delta R.T. 0.001 min
Lab File: 3V14603.D
Acq: 15 Nov 2011 10:08 am

Tgt Ion: 58 Resp: 3103

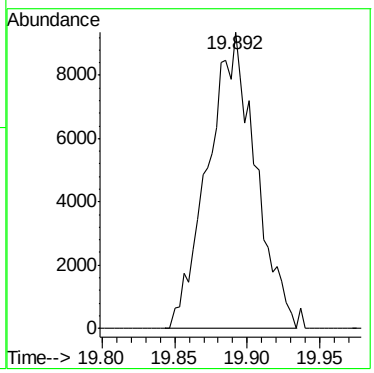
Ion	Ratio	Lower	Upper
58	100		
43	330.0	314.5	354.5





#91
Naphthalene
Concen: 1.75 ug/l
RT: 19.892 min Scan# 5236
Delta R.T. 0.003 min
Lab File: 3V14603.D
Acq: 15 Nov 2011 10:08 am

Tgt Ion:128 Resp: 21200



Mountain States ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D29455
Account: KRWCCOL KRW Consulting, Inc.
Project: XOM FRU 197-33A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB792-MB	GB13942.D	1	11/17/11	SK	n/a	n/a	GGB792

The QC reported here applies to the following samples: **Method:** SW846 8015B

D29455-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
120-82-1	1,2,4-Trichlorobenzene	92%	60-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: D29455
Account: KRWCCOL KRW Consulting, Inc.
Project: XOM FRU 197-33A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB792-BS	GB13943.D	1	11/17/11	SK	n/a	n/a	GGB792
GGB792-BSD	GB13944.D	1	11/17/11	SK	n/a	n/a	GGB792

The QC reported here applies to the following samples: **Method:** SW846 8015B

D29455-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	110	110	100	111	101	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
120-82-1	1,2,4-Trichlorobenzene	105%	104%	60-140%

Mountain States ACCUTEST LABORATORIES

GC Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Judy Melson 11/17/11 17:12

Quantitation Report (QT Reviewed)

Signal #1 : Y:\1\DATA\111711\GRO\GB13947.D\FID1A.CH Vial: 9
Signal #2 : Y:\1\DATA\111711\GRO\GB13947.D\FID2B.CH
Acq On : 17 Nov 2011 3:14 pm Operator: StephK
Sample : D29455-1, 50X Inst : GC/MS Ins
Misc : GC2417,GGB792,5.024,,100,5,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Nov 17 14:35:32 2011 Quant Results File: TB791GB791SOIL.RES

Quant Method : C:\MSDCHEM\1...\TB791GB791SOIL.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Thu Nov 17 12:48:56 2011
Response via : Initial Calibration
DataAcq Meth : TVB4.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
2) S	1,2,4-Trichlorobenzene	14.39	3196643	109.268	%	m
10) S	1,2,4-Trichlorobenzene (P)	14.39	40441902	175.957	%	
	Target Compounds					
1) H	TVH-Gasoline	7.32	58608938	0.823	mg/L	
4) T	Methyl-t-butyl-ether	0.00	0	N.D.	ug/L	d
5) T	Benzene	4.14	291271	0.509	ug/L	
6) T	Toluene	7.68	2537656	4.478	ug/L	
7) T	Ethylbenzene	10.31	1052327	2.159	ug/L	
8) T	m,p-Xylene	10.49	13132981	23.156	ug/L	
9) T	o-Xylene	10.99	2594842	5.323	ug/L	
11) T	Naphthalene	14.58	25380142	98.604	ug/L	

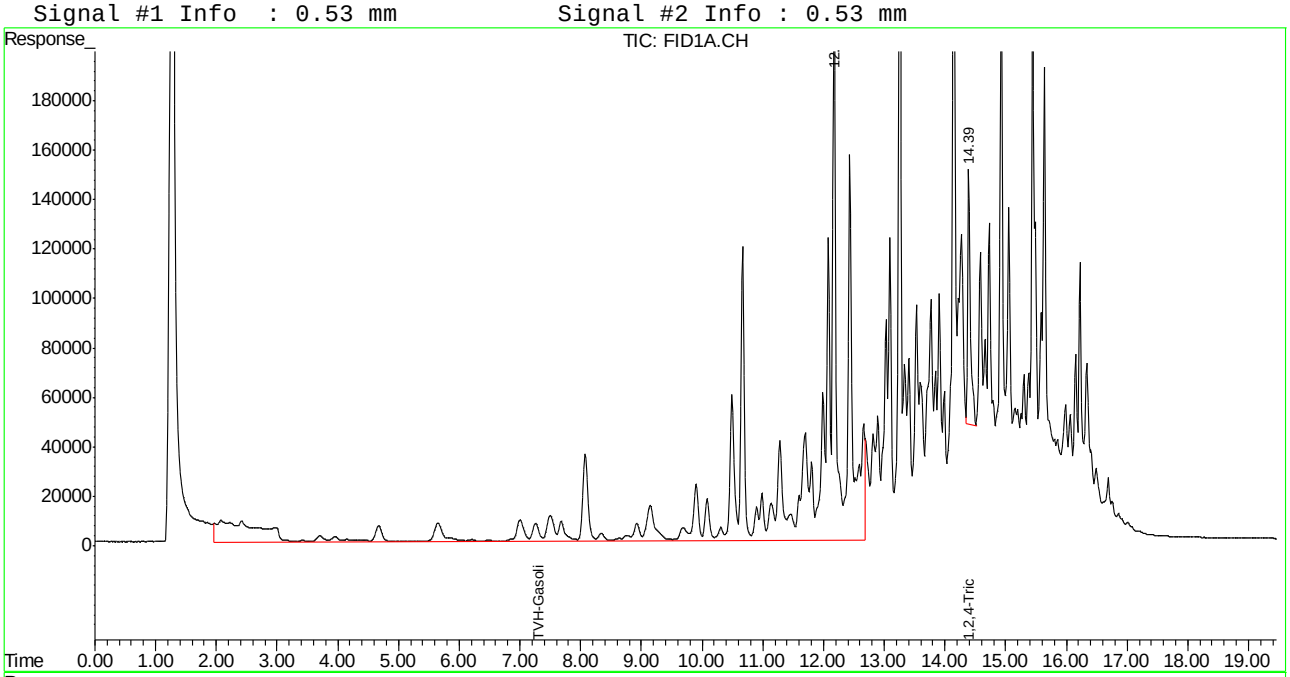
(f)=RT Delta > 1/2 Window (m)=manual int.
GB13947.D TB791GB791SOIL.M Thu Nov 17 15:48:58 2011 GC Page 1

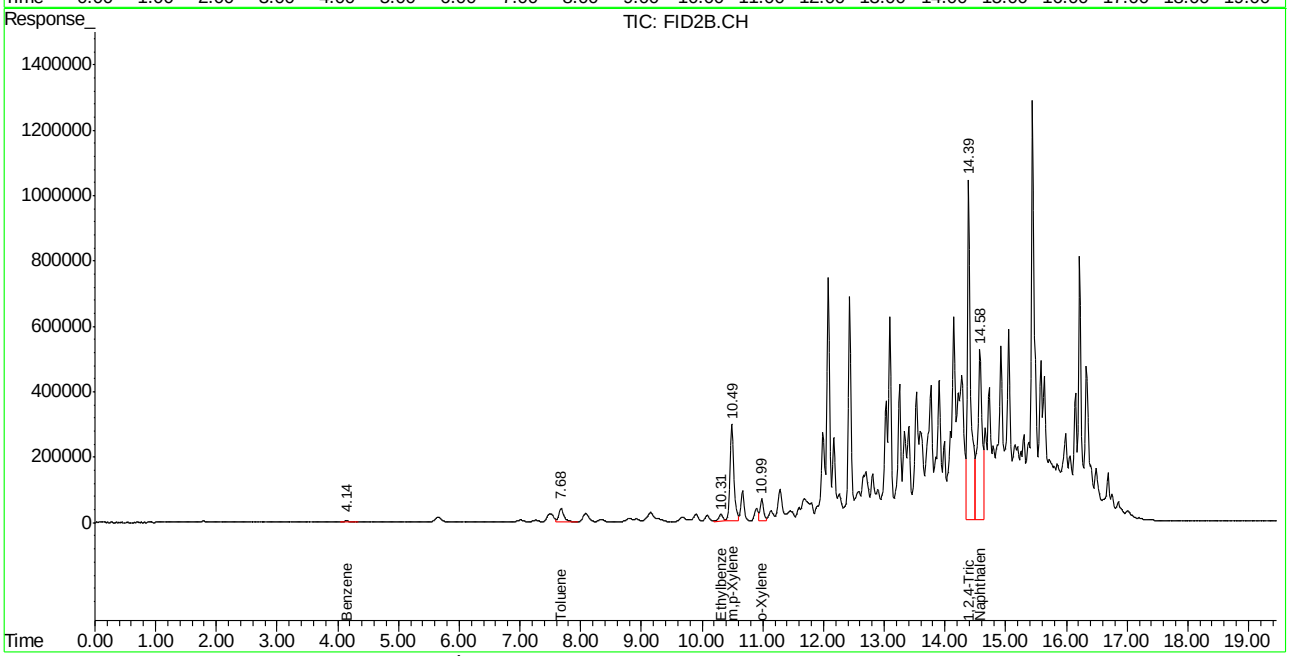
Quantitation Report (QT Reviewed)

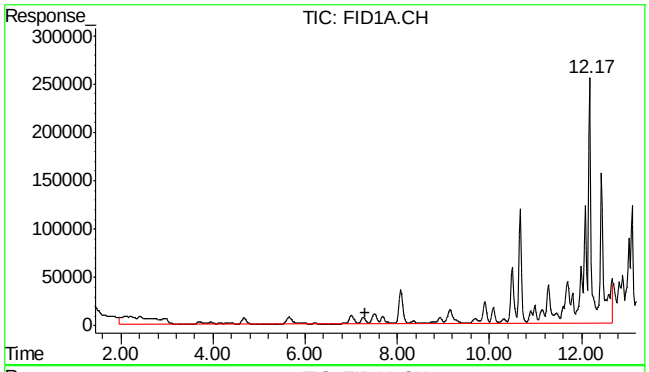
Signal #1 : Y:\1\DATA\111711\GRO\GB13947.D\FID1A.CH Vial: 9
Signal #2 : Y:\1\DATA\111711\GRO\GB13947.D\FID2B.CH
Acq On : 17 Nov 2011 3:14 pm Operator: StephK
Sample : D29455-1, 50X Inst : GC/MS Ins
Misc : GC2417,GGB792,5.024,,100,5,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Nov 17 14:35 2011 Quant Results File: TB791GB791SOIL.RES

Quant Method : C:\MSDCHEM\1...\TB791GB791SOIL.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Thu Nov 17 12:48:56 2011
Response via : Multiple Level Calibration
DataAcq Meth : TVB4.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm

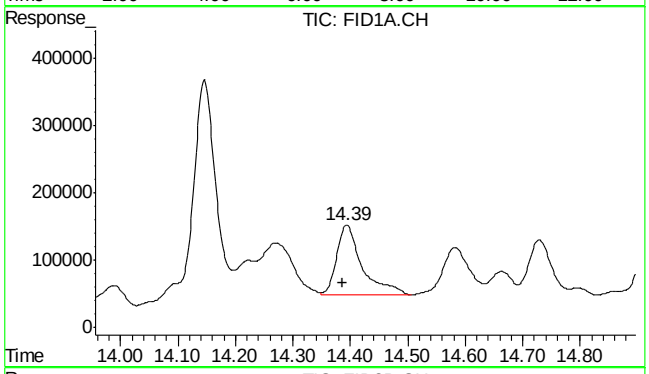






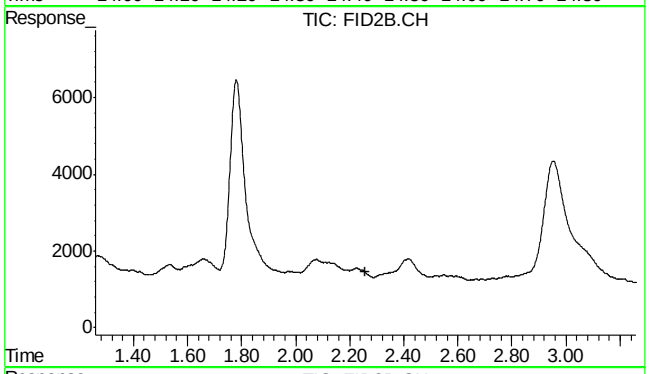
#1 TVH-Gasoline

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 58608938
Conc: 0.82 mg/L m



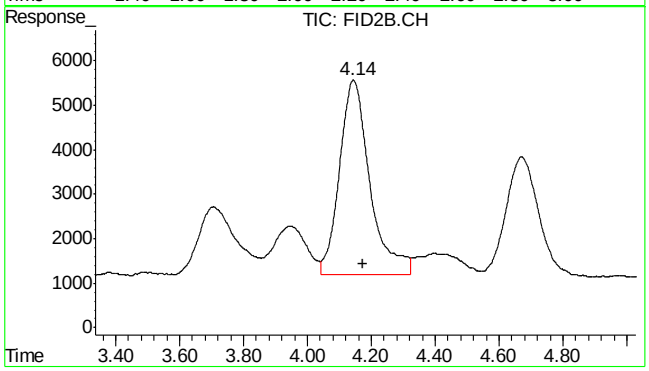
#2 1,2,4-Trichlorobenzene

R.T.: 14.393 min
Delta R.T.: 0.006 min
Response: 3196643
Conc: 109.27 % m



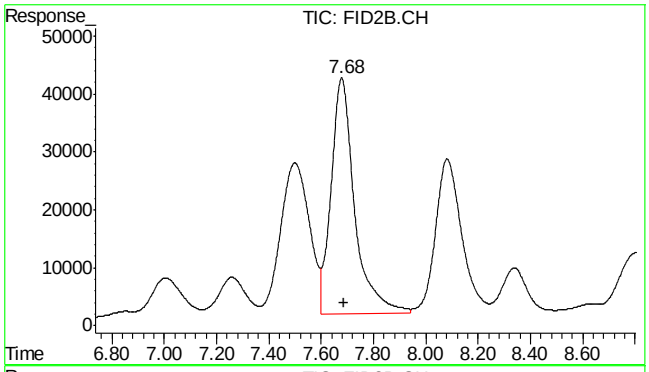
#4 Methyl-t-butyl-ether

R.T.: 0.000 min
Exp R.T. : 2.258 min
Response: 0
Conc: N.D.



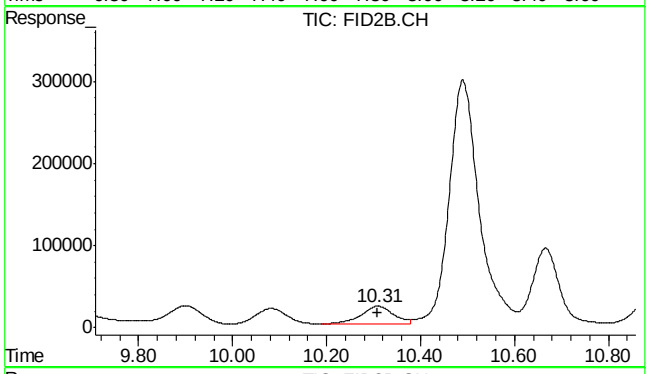
#5 Benzene

R.T.: 4.144 min
Delta R.T.: -0.029 min
Response: 291271
Conc: 0.51 ug/L



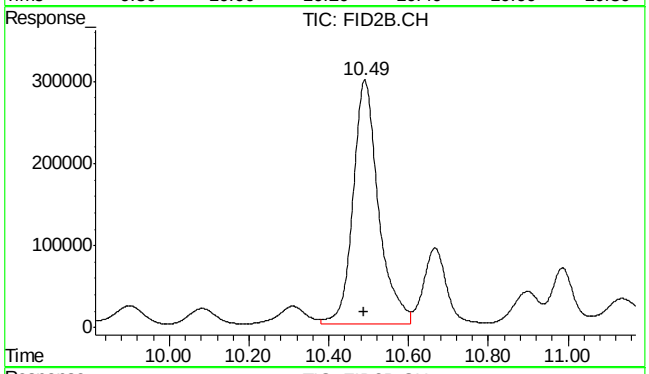
#6 Toluene

R.T.: 7.678 min
Delta R.T.: -0.006 min
Response: 2537656
Conc: 4.48 ug/L



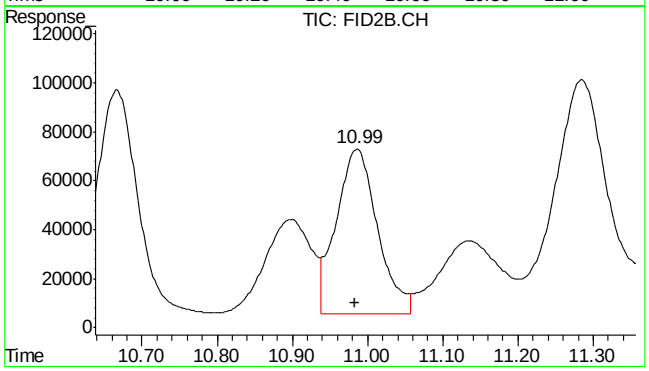
#7 Ethylbenzene

R.T.: 10.310 min
Delta R.T.: 0.001 min
Response: 1052327
Conc: 2.16 ug/L



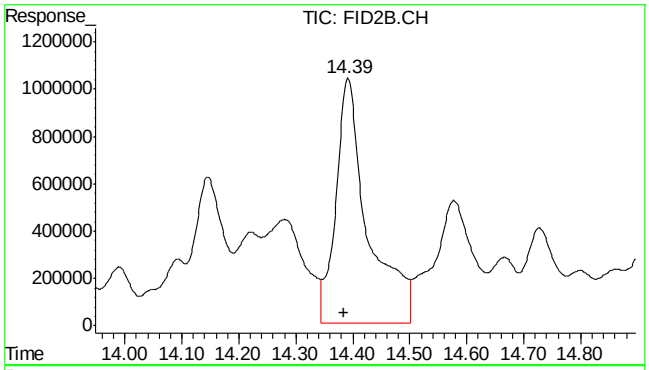
#8 m,p-Xylene

R.T.: 10.490 min
Delta R.T.: 0.002 min
Response: 13132981
Conc: 23.16 ug/L



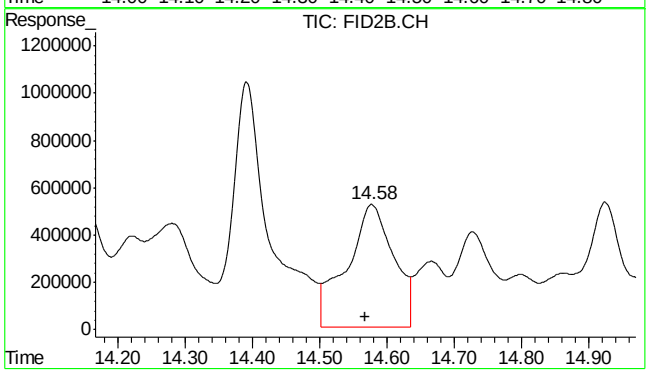
#9 o-Xylene

R.T.: 10.986 min
Delta R.T.: 0.003 min
Response: 2594842
Conc: 5.32 ug/L



#10 1,2,4-Trichlorobenzene (P)

R.T.: 14.392 min
Delta R.T.: 0.007 min
Response: 40441902
Conc: 175.96 %



#11 Naphthalene

R.T.: 14.578 min
Delta R.T.: 0.011 min
Response: 25380142
Conc: 98.60 ug/L

Quantitation Report (QT Reviewed)

Signal #1 : Y:\1\DATA\111711\GRO\GB13942.D\FID1A.CH Vial: 4
Signal #2 : Y:\1\DATA\111711\GRO\GB13942.D\FID2B.CH
Acq On : 17 Nov 2011 12:16 pm Operator: StephK
Sample : MB, S Inst : GC/MS Ins
Misc : GC2417,GGB792,5.000,,100,5,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Nov 17 11:54:05 2011 Quant Results File: TB791GB791SOIL.RES

Quant Method : C:\MSDCHEM\1...\TB791GB791SOIL.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Thu Nov 17 11:10:39 2011
Response via : Initial Calibration
DataAcq Meth : TVB4.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
2) S	1,2,4-Trichlorobenzene	14.40	2690529	91.968	%	
10) S	1,2,4-Trichlorobenzene (P)	14.39	22171556	96.465	%	
	Target Compounds					
1) H	TVH-Gasoline	7.32	6776636	<MDL	mg/L	
4) T	Methyl-t-butyl-ether	0.00	0	N.D.	ug/L	d
5) T	Benzene	0.00	0	N.D.	ug/L	d
6) T	Toluene	7.70	282845	0.499	ug/L	
7) T	Ethylbenzene	10.32	119087	0.244	ug/L	
8) T	m,p-Xylene	10.50	384533	0.251	ug/L	
9) T	o-Xylene	0.00	0	N.D.	ug/L	d
11) T	Naphthalene	14.58	173745	0.675	ug/L	m

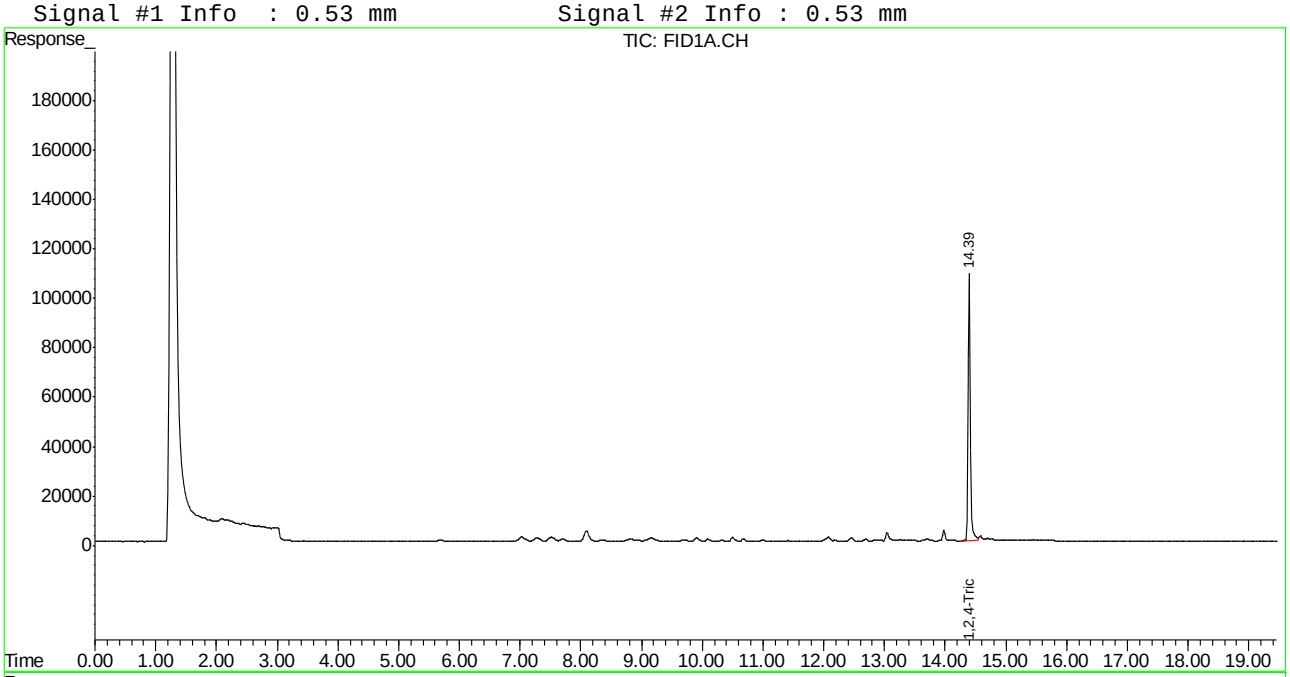
(f)=RT Delta > 1/2 Window (m)=manual int.

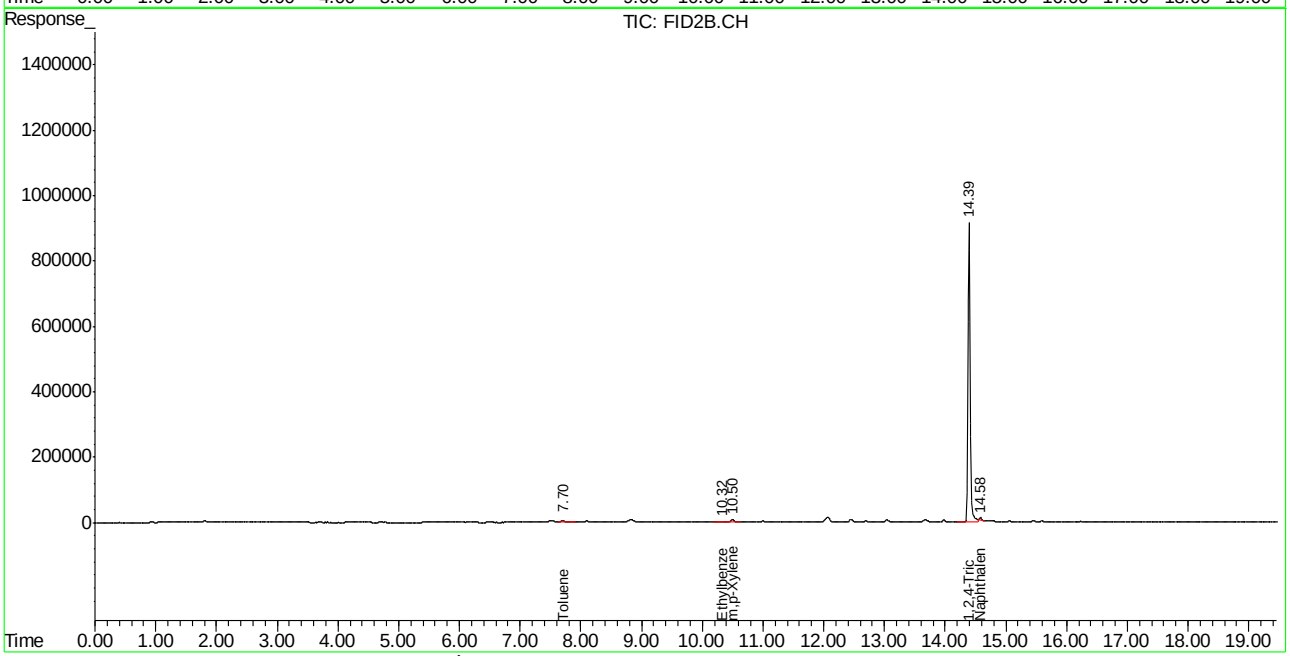
Quantitation Report (QT Reviewed)

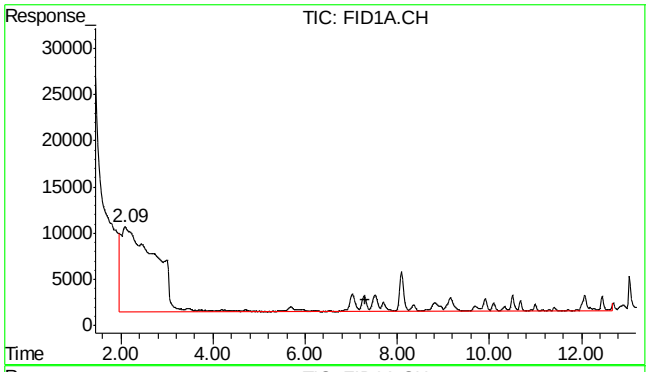
Signal #1 : Y:\1\DATA\111711\GRO\GB13942.D\FID1A.CH Vial: 4
Signal #2 : Y:\1\DATA\111711\GRO\GB13942.D\FID2B.CH
Acq On : 17 Nov 2011 12:16 pm Operator: StephK
Sample : MB, S Inst : GC/MS Ins
Misc : GC2417,GGB792,5.000,,100,5,1 Multiplr: 1.00
IntFile Signal #1: TVH1.E IntFile Signal #2: FB2.E
Quant Time: Nov 17 11:53 2011 Quant Results File: TB791GB791SOIL.RES

Quant Method : C:\MSDCHEM\1...\TB791GB791SOIL.M (Chemstation Integrator)
Title : 8015B/8021B TVH/BTEX
Last Update : Thu Nov 17 11:10:39 2011
Response via : Multiple Level Calibration
DataAcq Meth : TVB4.M

Volume Inj. :
Signal #1 Phase : DB-624 Signal #2 Phase: DB-624
Signal #1 Info : 0.53 mm Signal #2 Info : 0.53 mm

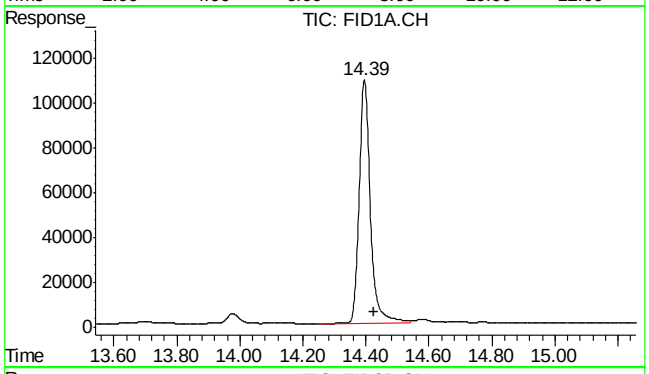






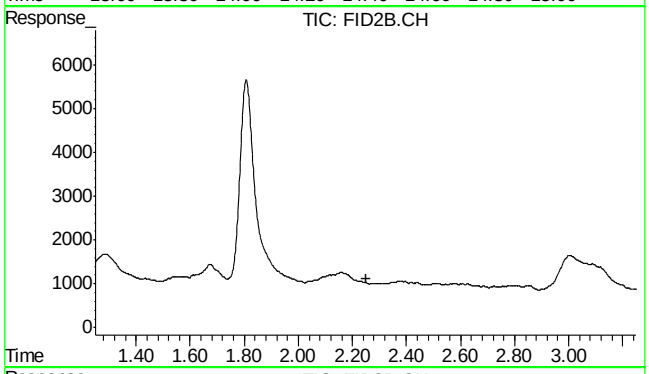
#1 TVH-Gasoline

R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 6776636
Conc: N.D.



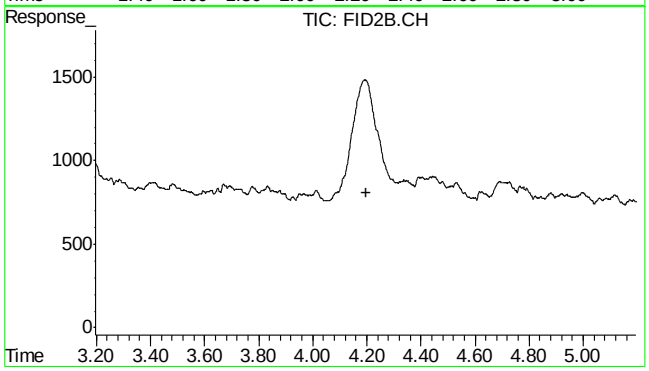
#2 1,2,4-Trichlorobenzene

R.T.: 14.396 min
Delta R.T.: -0.030 min
Response: 2690529
Conc: 91.97 %



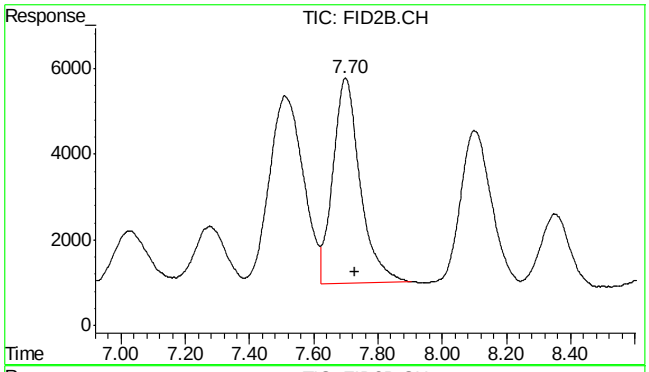
#4 Methyl-t-butyl-ether

R.T.: 0.000 min
Exp R.T. : 2.249 min
Response: 0
Conc: N.D.



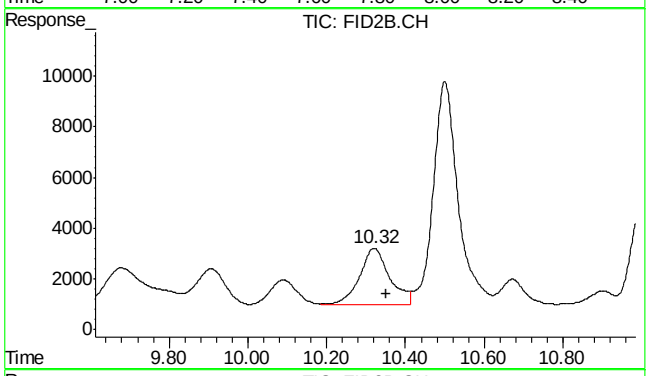
#5 Benzene

R.T.: 0.000 min
Exp R.T. : 4.196 min
Response: 0
Conc: N.D.



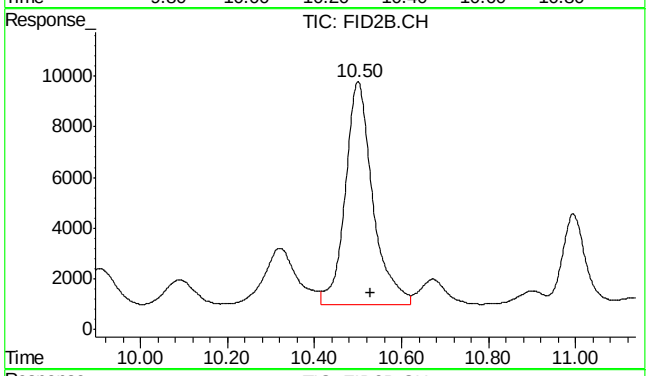
#6 Toluene

R.T.: 7.699 min
Delta R.T.: -0.029 min
Response: 282845
Conc: 0.50 ug/L



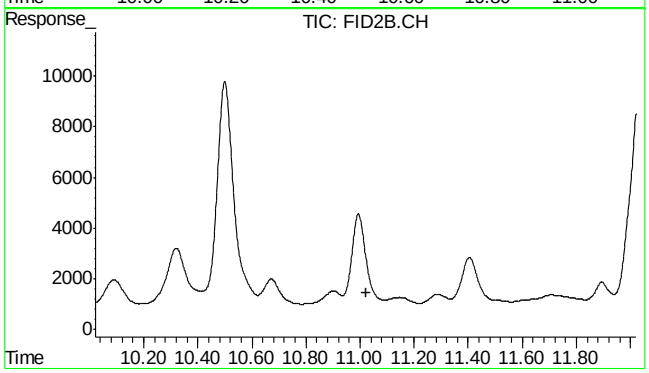
#7 Ethylbenzene

R.T.: 10.321 min
Delta R.T.: -0.030 min
Response: 119087
Conc: 0.24 ug/L



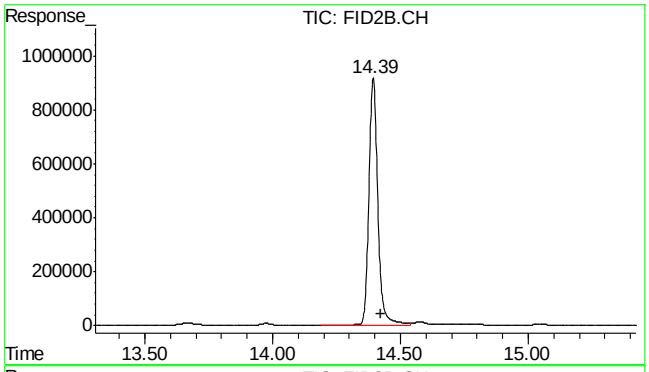
#8 m,p-Xylene

R.T.: 10.500 min
Delta R.T.: -0.029 min
Response: 384533
Conc: 0.25 ug/L



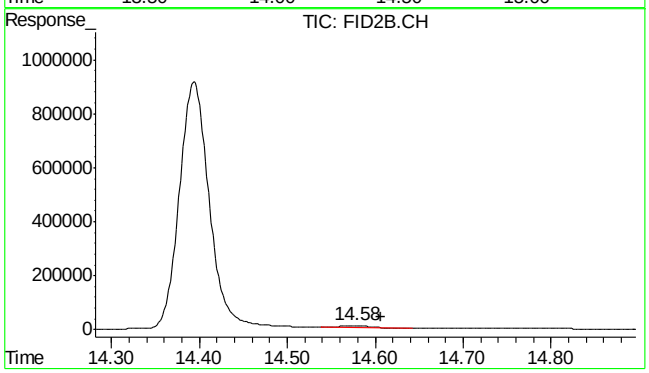
#9 o-Xylene

R.T.: 0.000 min
Exp R.T. : 11.021 min
Response: 0
Conc: N.D.



#10 1,2,4-Trichlorobenzene (P)

R.T.: 14.394 min
Delta R.T.: -0.029 min
Response: 22171556
Conc: 96.47 %



#11 Naphthalene

R.T.: 14.577 min
Delta R.T.: -0.029 min
Response: 173745
Conc: 0.68 ug/L m

Mountain States ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D29455
Account: KRWCCOL KRW Consulting, Inc.
Project: XOM FRU 197-33A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4862-MB	FI04505.D	1	11/16/11	CS	11/16/11	OP4862	GFI331

The QC reported here applies to the following samples: **Method:** SW846-8015B

D29455-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	13	8.7	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	116%	61-142%

Blank Spike Summary

Job Number: D29455
Account: KRWCCOL KRW Consulting, Inc.
Project: XOM FRU 197-33A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4862-BS	FI04506.D	1	11/16/11	CS	11/16/11	OP4862	GFI331

The QC reported here applies to the following samples: **Method:** SW846-8015B

D29455-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	606	91	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	125%	61-142%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D29455
Account: KRWCCOL KRW Consulting, Inc.
Project: XOM FRU 197-33A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP4862-MS	FI04507.D	1	11/16/11	CS	11/16/11	OP4862	GFI331
OP4862-MSD	FI04508.D	1	11/16/11	CS	11/16/11	OP4862	GFI331
D29455-1	FI04509.D	1	11/16/11	CS	11/16/11	OP4862	GFI331

The QC reported here applies to the following samples: **Method:** SW846-8015B

D29455-1

CAS No.	Compound	D29455-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	2710		755	2930	29	3150	58	7	24-157/35

CAS No.	Surrogate Recoveries	MS	MSD	D29455-1	Limits
84-15-1	o-Terphenyl	81%	88%	100%	61-142%

Mountain States ACCUTEST LABORATORIES

GC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Judy Melson 11/17/11 11:54

Quantitation Report (QT Reviewed)

Data File : E:\DATA\FI111611\FI04509.D Vial: 12
Acq On : 16 Nov 2011 4:33 pm Operator: CHAVALIT
Sample : D29455-1 Inst : FID6
Misc : OP4862,GFI331,30.02,,,2,1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 17 08:17:22 2011 Quant Results File: DF-GFI308.RES

Quant Method : C:\MSDCHEM\1\METHODS\DF-GFI308.M (Chemstation Integrator)
Title : 8015B TEH
Last Update : Mon Nov 14 09:02:05 2011
Response via : Initial Calibration
DataAcq Meth : FR_BASE2.M

Volume Inj. : 1ul
Signal Phase : RTX-5
Signal Info : 530um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	O-Terphenyl	13.58	55742388	1001.857	mg/L	m
	Target Compounds					
2) H	TPH-DRO (c10-c28)	11.79	1992403391	35906.284	mg/L	

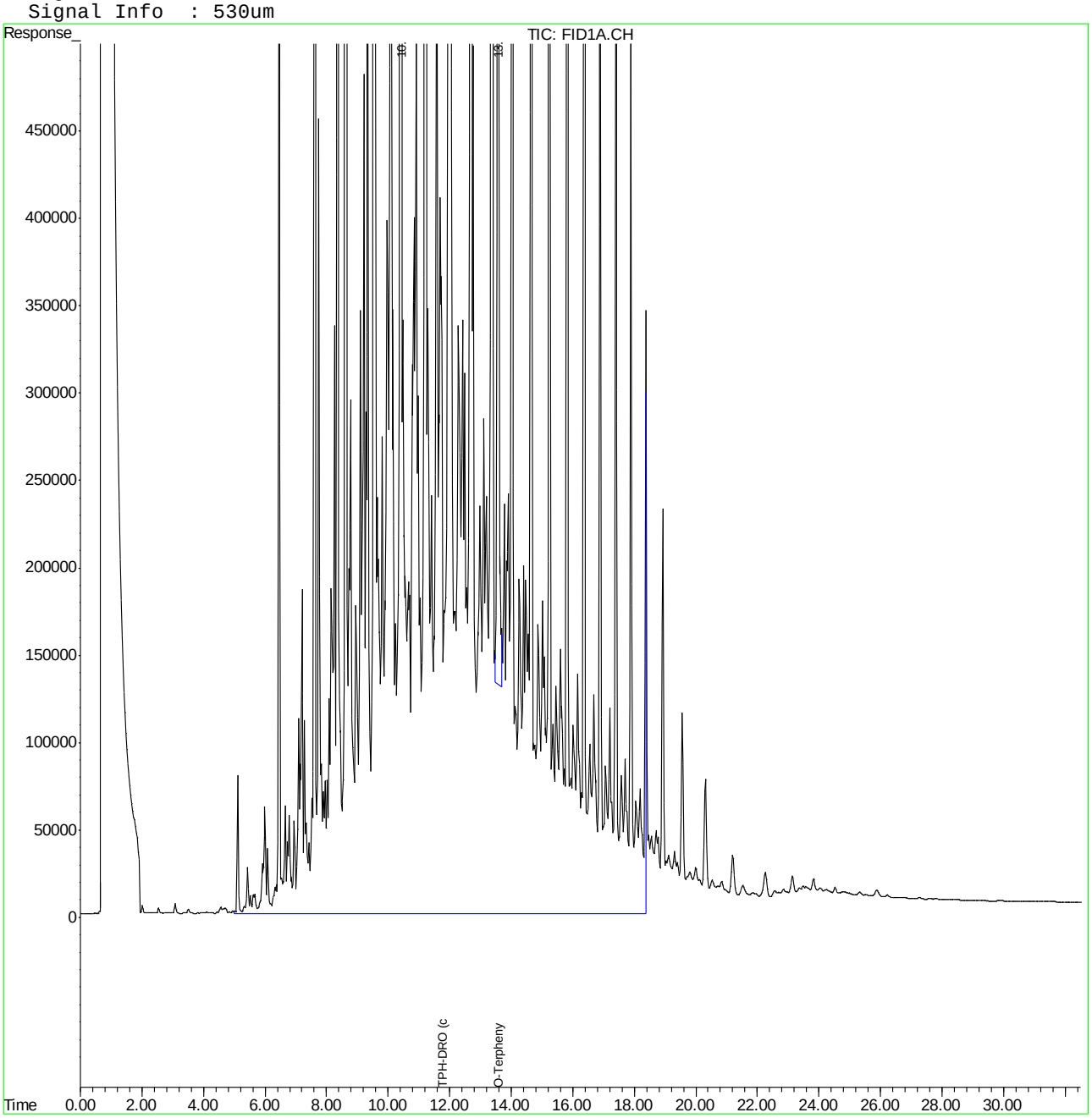
(f)=RT Delta > 1/2 Window (m)=manual int.
FI04509.D DF-GFI308.M Thu Nov 17 08:24:06 2011 TEH Page 1

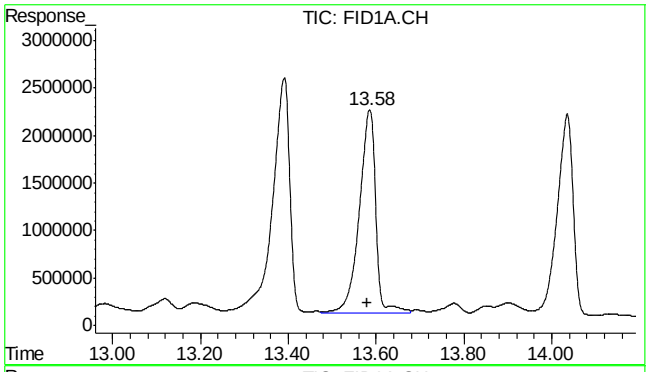
Quantitation Report (QT Reviewed)

Data File : E:\DATA\FI111611\FI04509.D Vial: 12
Acq On : 16 Nov 2011 4:33 pm Operator: CHAVALIT
Sample : D29455-1 Inst : FID6
Misc : OP4862,GFI331,30.02,,,2,1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 17 8:19 2011 Quant Results File: DF-GFI308.RES

Quant Method : C:\MSDCHEM\1\METHODS\DF-GFI308.M (Chemstation Integrator)
Title : 8015B TEH
Last Update : Mon Nov 14 09:02:05 2011
Response via : Multiple Level Calibration
DataAcq Meth : FR_BASE2.M

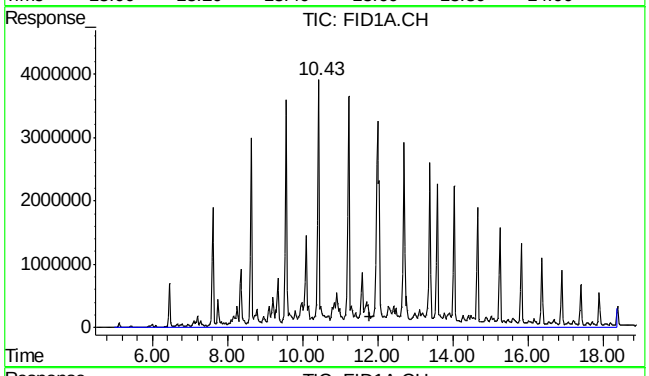
Volume Inj. : 1ul
Signal Phase : RTX-5
Signal Info : 530um





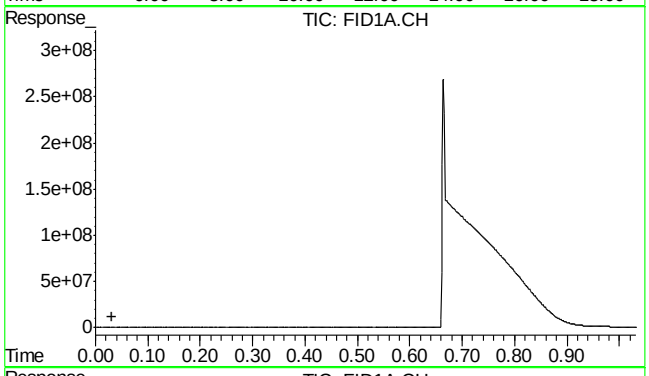
#1 O-Terphenyl

R.T.: 13.585 min
Delta R.T.: 0.005 min
Response: 55742388
Conc: 1001.86 mg/L m



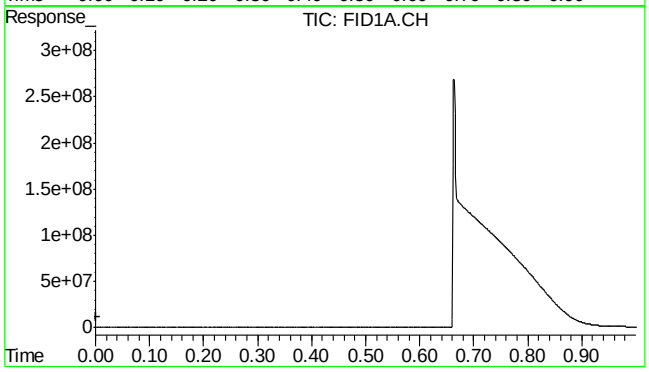
#2 TPH-DRO (c10-c28)

R.T.: 11.790 min
Delta R.T.: 0.000 min
Response: 1992403391
Conc: 35906.28 mg/L m



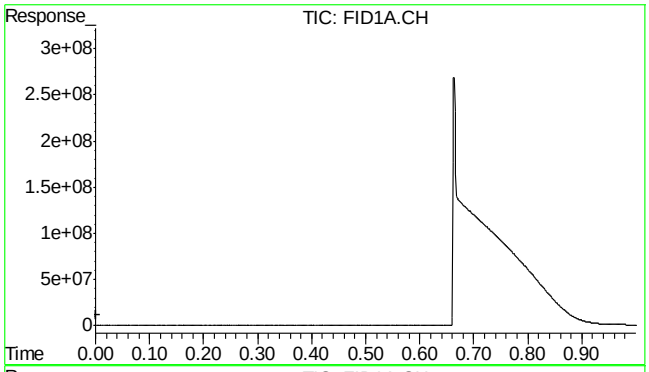
#9 5a-Androstane

R.T.: 0.000 min
Exp R.T. : 0.032 min
Response: 0
Conc: N.D.



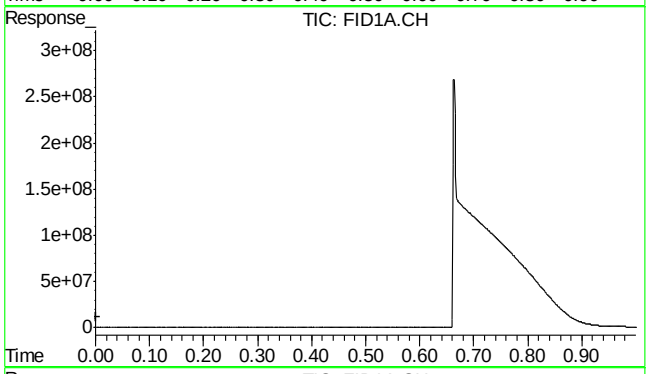
#10 2-Fluorophenol

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.



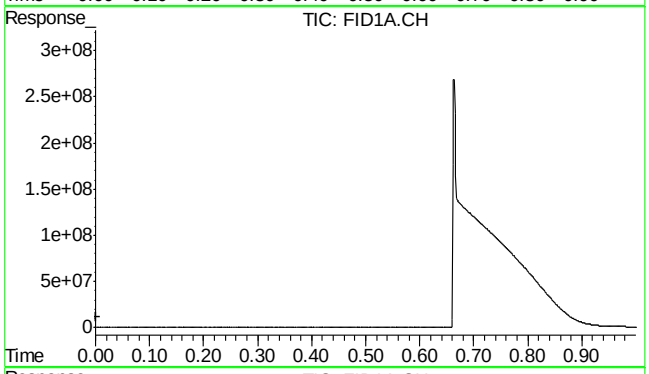
#11 Phenol-d5

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.



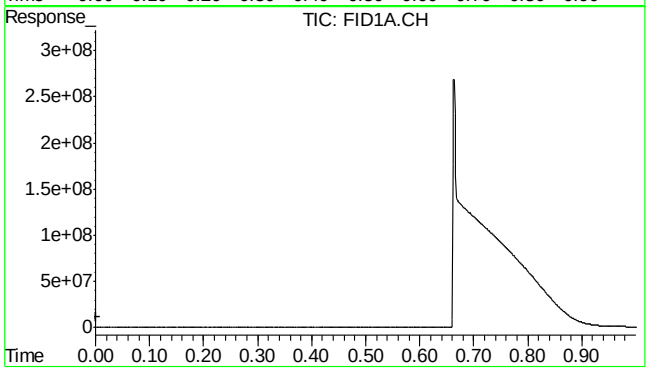
#12 Nitrobenzene-d5

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.



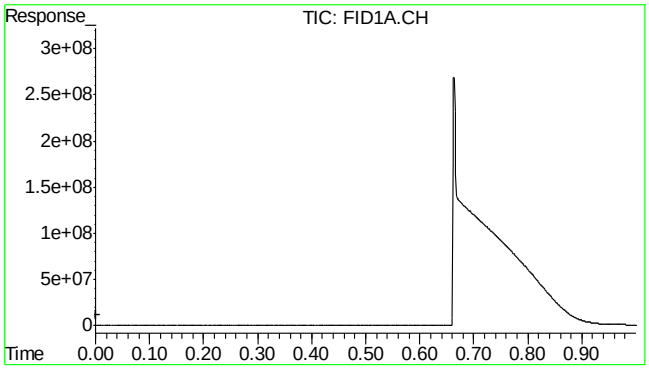
#13 2-Fluorobiphenyl

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.



#14 2,4,6-Tribromophenol

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.



#15 Terphenyl-d14

R.T.:	0.000 min
Exp R.T. :	0.000 min
Response:	0
Conc:	N.D.

Manual Integrations APPROVED (compounds with "m" flag)
Judy Melson 11/17/11 11:54

Quantitation Report (QT Reviewed)

Data File : E:\DATA\FI111611\FI04505.D Vial: 8
Acq On : 16 Nov 2011 1:54 pm Operator: CHAVALIT
Sample : OP4862-MB Inst : FID6
Misc : OP4862,GFI331,30.00,,,2,1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 17 08:15:36 2011 Quant Results File: DF-GFI308.RES

Quant Method : C:\MSDCHEM\1\METHODS\DF-GFI308.M (Chemstation Integrator)
Title : 8015B TEH
Last Update : Mon Nov 14 09:02:05 2011
Response via : Initial Calibration
DataAcq Meth : FR_BASE2.M

Volume Inj. : 1ul
Signal Phase : RTX-5
Signal Info : 530um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S O-Terphenyl	13.59	64387669	1157.238	mg/L	m
	Target Compounds					

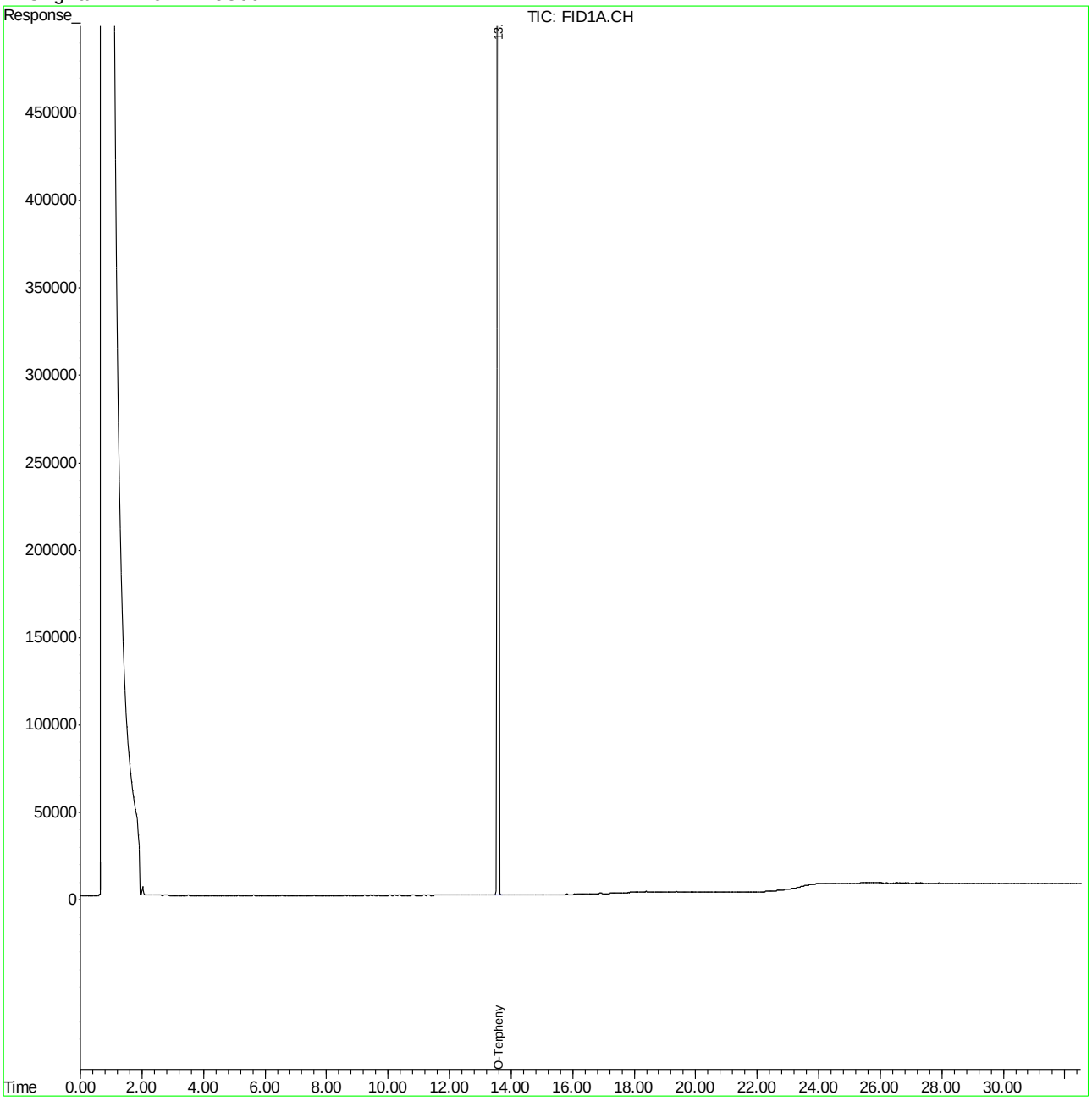
(f)=RT Delta > 1/2 Window (m)=manual int.

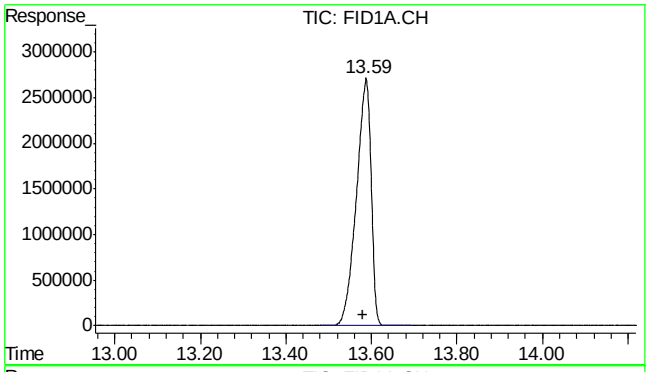
Quantitation Report (QT Reviewed)

Data File : E:\DATA\FI111611\FI04505.D Vial: 8
Acq On : 16 Nov 2011 1:54 pm Operator: CHAVALIT
Sample : OP4862-MB Inst : FID6
Misc : OP4862,GFI331,30.00,,,2,1 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 17 8:17 2011 Quant Results File: DF-GFI308.RES

Quant Method : C:\MSDCHEM\1\METHODS\DF-GFI308.M (Chemstation Integrator)
Title : 8015B TEH
Last Update : Mon Nov 14 09:02:05 2011
Response via : Multiple Level Calibration
DataAcq Meth : FR_BASE2.M

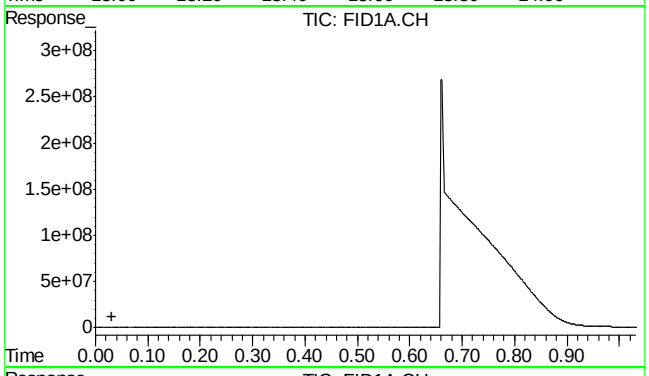
Volume Inj. : 1ul
Signal Phase : RTX-5
Signal Info : 530um





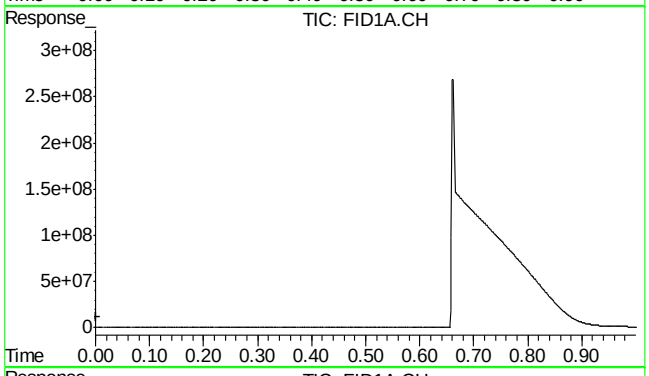
#1 O-Terphenyl

R.T.: 13.588 min
Delta R.T.: 0.008 min
Response: 64387669
Conc: 1157.24 mg/L m



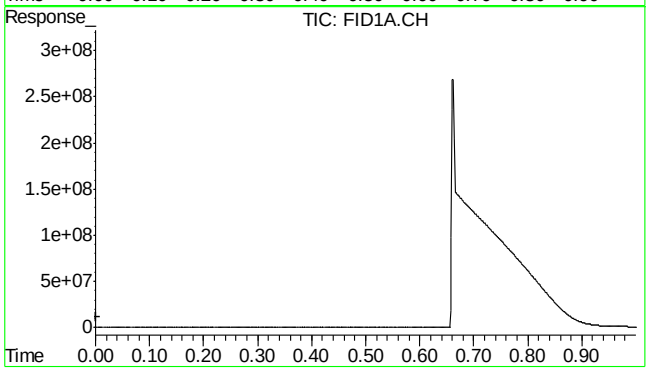
#9 5a-Androstane

R.T.: 0.000 min
Exp R.T. : 0.032 min
Response: 0
Conc: N.D.



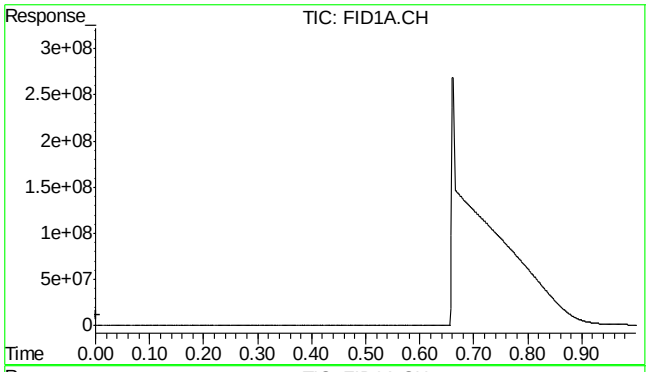
#10 2-Fluorophenol

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.



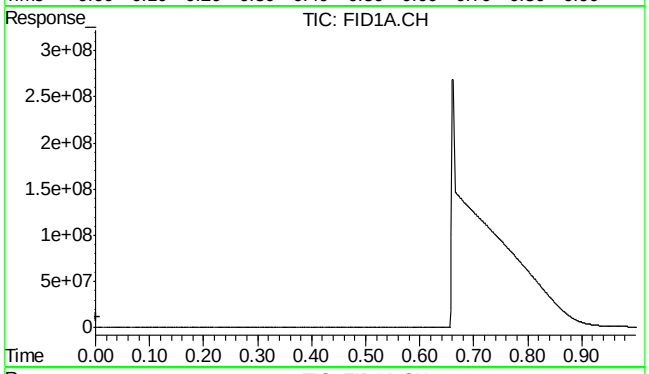
#11 Phenol-d5

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.



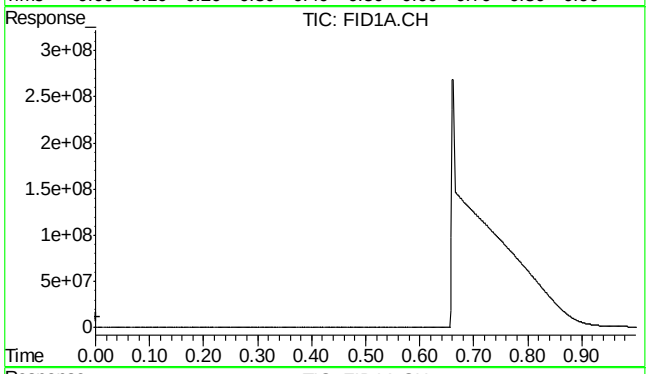
#12 Nitrobenzene-d5

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.



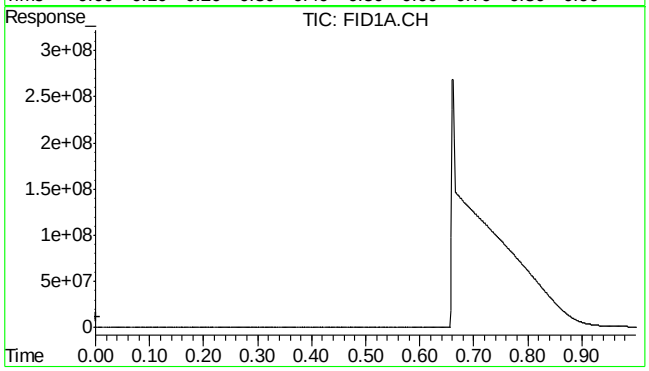
#13 2-Fluorobiphenyl

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.



#14 2,4,6-Tribromophenol

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.



#15 Terphenyl-d14

R.T.: 0.000 min
Exp R.T. : 0.000 min
Response: 0
Conc: N.D.